



A wide range of media both in dehydrated powder and liquid forms can help accelerate your research and optimize your process.

ANIMAL CELL CULTURE

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ATCC offers a complex array of human, animal, insect, fish and stem cells to choose from.

Authorized Distributor of ATCC
Cell lines and Cell line related services

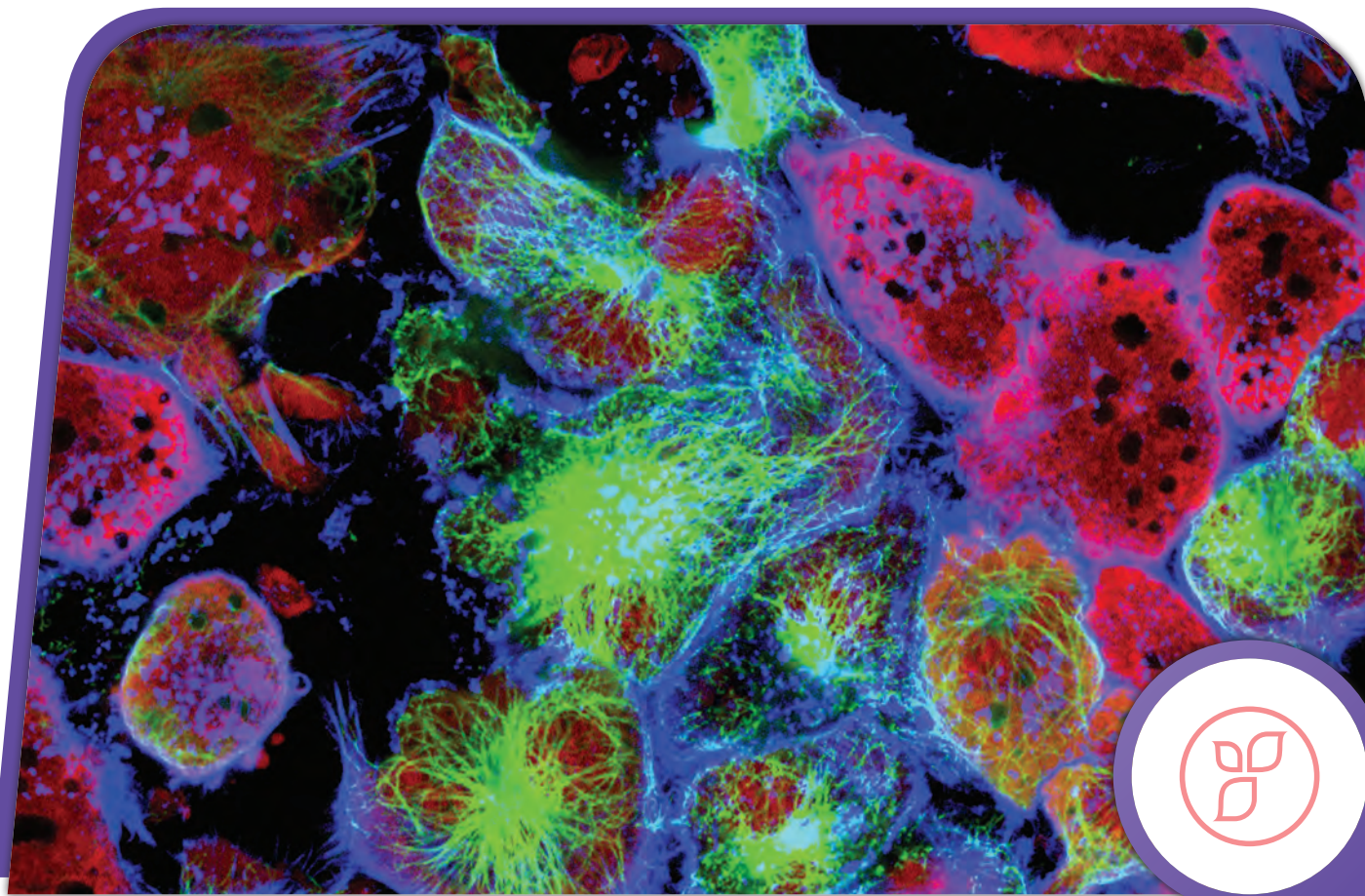
Dear Patrons,

HiMedia is pleased to announce that we have been appointed as an authorized distributor in India for ATCC products and services.

We are delighted to serve you with this new product range, and we are thankful for your continued trust in our service.

For additional product information, contact us at atcc.sales@himedialabs.com

For detailed information about the ATCC portfolio, visit the ATCC website online at www.atcc.org





Cells Lines

- Animal Cells
- Human Cells
- Reporter-labeled Cell Lines
- Cell Lines by Genetic Mutation
- Human Primary Cells
- Misidentified Cell Lines
- Tumor/Normal Matched Cell Lines
- Human Induced Pluripotent Stem (IPS) Cells
- hTERT Immortalized Cell Lines
- Hybridomas
- Stem Cells
- Tumor Cell Panels
- Cell Line Genomic DNA
- Organoids



Cell Culture Reagents

- Antibiotics
- Buffers and Stains
- Cryopreservation Reagents
- Dissociation Reagents
- Feeder Layer Cells
- Hybridoma Development
- Molecular Grade Water
- Media
- Supplements
- Substrates
- Polysaccharides
- Sera
- Transfection Reagents



New Product Launches

- Human Cancer Models
- Isogenic Cell Lines
- Luciferase Cell Lines
- EMT/MET Reporter Cells

A wide
array of
human,
animal
insect,
fish and
stem cells
to choose
from...



Custom Solutions

- Cell and Microbial Authentication
- Cell and Microbial Banking
- Controls and Derivatives
- CRISPR/Cas9 Genome Editing



Testing & Characterization Services

- Cell Proliferation Assay Kits
- Mycoplasma Testing
- STR Profiling for Human Cells
- STR Profiling for Mouse Cells

SERVICES

www.himedialabs.com



HiMedia offers clone specific range of serum free media and feeds for recombinant CHO cells for production of biomolecules.

BIOPRODUCTION PLATFORM

Product	Prefix	Page
CHOin1™-GS Media and Feeds for CHO-GS Clones	SFM, SFF	368
CHOin1™ DHFR Media and Feeds for CHO-DHFR Clones	SFM, SFF	368
CHOin1™ -K1 Media and Feeds for CHO-K1 Clones	SFM, SFF	369
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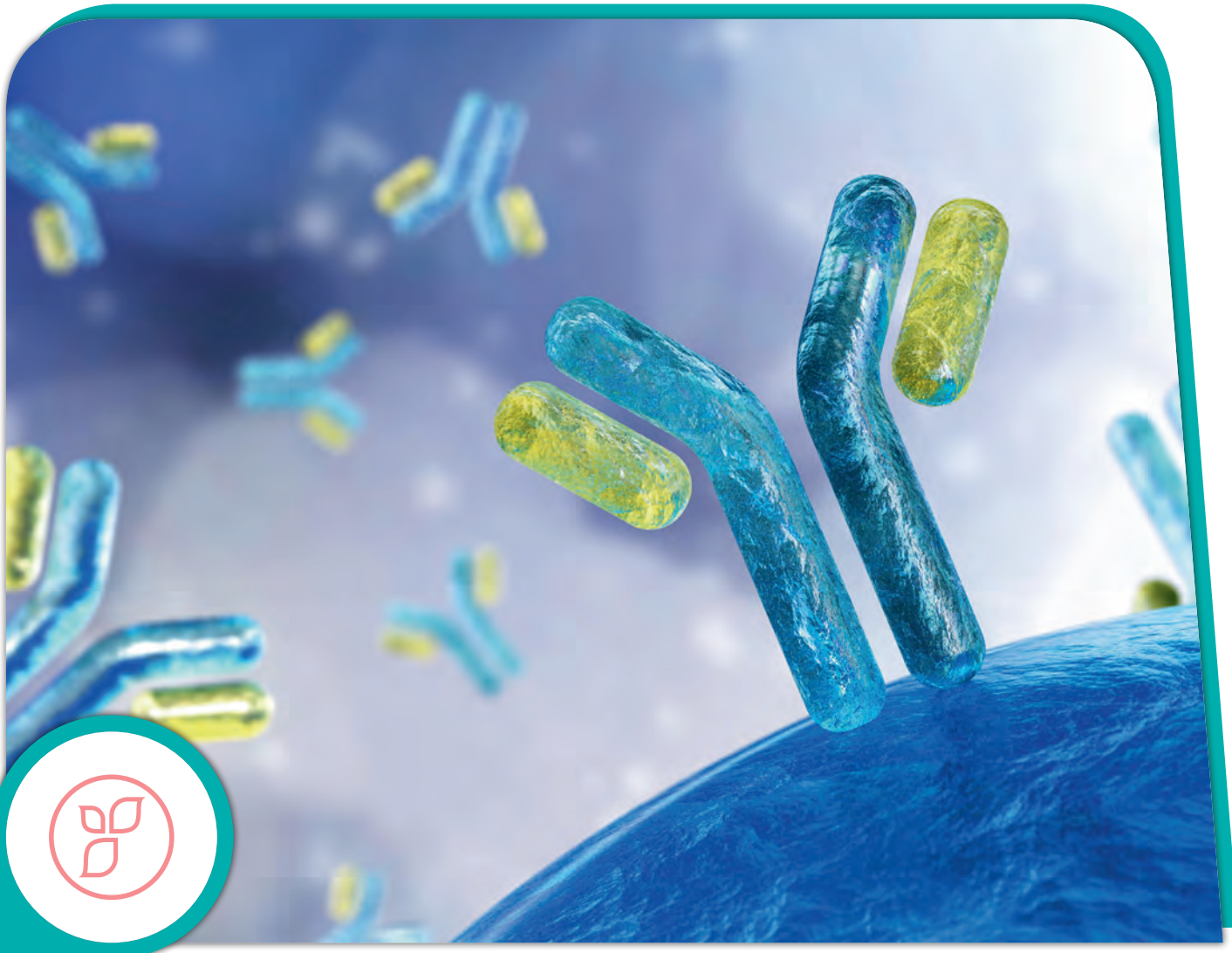
Bio-Production Platform

Antibodies are amongst one of the most expensive therapeutics being used. This is mainly due to their widespread applications in chronic diseases such as cancer in high doses (more than 100 mg) due to their low potency. Large scale processes are required to produce 10-100 kg per year to cope up with market demands. One of the major factor contributing to the high cost of therapeutic antibodies is the medium used for cultivation. Understanding the growing need for anti-cancer antibodies, we predict that our affordable lower cost SFM will eventually make our Pharma companies more competitive in the highly competitive global Biosimilar market with a fairly priced final product and will enable them to provide these medicines at affordable cost in developing as well as developed nations.

For more info :

atc@himedialabs.com | www.himedialabs.com

ACC



Bio-Production Platform

Comprehensive range of clone-specific serum-free, protein free media and feed supplements and Bio-Production services



ACC

Bio Production Platform

Bio Production Media and Supplements



ACC

Product	Code	Packing
CHOin1™ -GS Media and Feeds for CHO-GS Clones		
CHOin1™ -GS Serum Free CHO Medium, Animal Component Free, Chemically Defined w/ Sodium bicarbonate and Pluronic F-68® w/o L-Glutamine Sterile filtered Part A - Basal Medium (liquid) Part B - Serum-free Growth Supplement <i>Store at -20°C</i>	SFM007L-1000ML	1000ml
CHOin1™ -GS Serum Free CHO Medium, Animal Component Free, Chemically Defined w/ Pluronic F-68® w/o L-Glutamine and Sodium bicarbonate Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement <i>Store at -20°C</i>	SFM007AP-1L SFM007AP-10L	1l 10l
GS-Plus™ Feed Supplement Chemically Defined, Animal Component-Free w/ D-Glucose and Pluronic F-68® w/o L-Glutamine	SFF001P-1L SFF001P-5L	1l 5l

Product	Code	Packing
CHOin1™ -DHFR Media and Feeds for CHO-DHFR Clones		
CHOin1™ -DHFR Serum Free CHO Medium, Animal Component Free, Chemically Defined w/Sodium bicarbonate and Pluronic F-68® w/o L-Glutamine and Phenol red Sterile filtered Part A: Basal medium (Liquid) Part B: Serum-free growth supplement <i>Store at -20°C</i>	SFM032L-1000ML	1000ml
CHOin1™ -DHFR Serum Free CHO Medium, Animal Component Free, Chemically Defined w/ Pluronic F-68® w/o L-Glutamine, Sodium bicarbonate and Phenol red Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement <i>Store at -20°C</i>	SFM032AP-1L SFM032AP-10L	1l 10l
DHFR-Plus™ Feed Supplement Chemically Defined, Animal Component-Free w/ D-Glucose and Pluronic F-68® w/o L-Glutamine and Phenol red	SFF002P-1L SFM032L-5L	1l 5l

Product	Code	Packing
CHOin1™ -K1 Media and Feeds for CHO-K1 Clones		
CHOin1™-K1 Serum Free CHO Medium, Animal Component Free, Chemically Defined w/ Sodium bicarbonate and Pluronic F-68® w/o L-Glutamine and Phenol red Sterile filtered Part A - Basal Medium (liquid) Part B - Serum-free Growth Supplement Store at -20°C	SFM033L-1000ML	1000ml
CHOin1™-K1 Serum Free CHO Medium, Animal Component Free, Chemically Defined w/ Pluronic F-68® w/o L-Glutamine, Sodium bicarbonate and Phenol red Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement Store at -20°C	SFM033AP-1L SFM033AP-5L	1l 5l
K1-Plus™ Feed Supplement Chemically Defined, Animal Component-Free w/ D-Glucose and Pluronic F-68® w/o L-Glutamine	SFF003P-1L SFF003P-5L	1l 5l
Serum Free Supplements		
Polyamine Supplement 1000X Sterile filtered	TCL197-10ML	10ml
Cholesterol Supplement, 250X	TCL092-50ML	50ml
GSEM Supplement, 50X Liquid Store at -20°C	TCL088-100ML	100ml
Lipid Supplement, 100X	TCL091-100ML	100ml
HAT Medium Supplement 50X, Liquid w/ 680.5 mg per litre Hypoxanthine, 8.8 mg/litre Aminopterin and 193.8 mg/litre Thymidine in Phosphate Buffered Saline 10ml HAT supplement is sufficient for 500ml medium Store at -20°C	TCL072-10ML TCL072-100ML	5x10ml 10x10ml 100ml
HT Medium Supplement 50X, Liquid w/ 680.5 mg per litre Hypoxanthine and 193.8 mg/litre Thymidine in Phosphate Buffered Saline 10ml HT supplement is sufficient for 500ml medium Store at -20°C	TCL073-10ML TCL073-100ML	5x10ml 10x10ml 100ml
ITS Supplement 100X, Liquid w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin and 0.5 µg per ml Sodium Selenite in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL064-10ML	10ml
ITS-E Supplement 100X, Liquid w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite and 0.2 mg per ml Ethanolamine in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL065-10ML	10ml

Product	Code	Packing
ITS-P Supplement 100X, Liquid w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite and 12 mg per ml Sodium pyruvate in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL066-10ML	10ml
ITS-B Supplement 100X, Liquid w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite and 50 mg per ml Bovine serum albumin in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL067-10ML	10ml
ITS-L1 Supplement 100X Liquid w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite, 50 mg per ml Bovine serum albumin, 470 µg per ml Linoleic acid and 470 µg per ml Oleic acid in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL097-10ML	10ml
ITS-D Supplement 100X Liquid w/ 1 mg per ml insulin, 0.55 mg per ml Transformin, 0.67 µg per ml Sodium Selenite and 4 µg per ml Dexamethasone in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL124-10ML	10ml
Related products		
pH Regulator for Bioreactor Sterile filtered Store at 15-30°C	TCL196-500ML	500ml
Pluronic F-68® Solution 10%, 100X Sterile filtered Store at 15-30°C	TCL023-100ML	100ml
D-(+)-Glucose Solution 45%, Autoclaved w/ 45% D-(+)-Glucose in sterile tissue culture grade water Store at 15-30°C	TCL077-100ML TCL077-500ML	100ml 500ml
Recombinant Human Insulin Solution, 10mg/ml	TCL035-10ML TCL035-20ML	10ml 20ml
Recombinant Human Insulin Solution, 5mg/ml	TCL125-10ML TCL125-20ML	10ml 20ml
Bovine Albumin Fraction V 7.5% Solution in Dulbecco's Phosphate Buffered Saline	TCL036-100ML	100ml

for hydrolysates please refer to page 411 - 412

Bio Production Services

Media Development

Spent Media Analysis

Media Optimization

Media Development Service

Clone Security Assured

Rely on us for optimizing media and feed for your high-value clones

Systematic Media Development

Each recombinant CHO clone engineered to produce therapeutic proteins exhibits unique metabolic demands. Optimal productivity of each clone at large scale requires clone-specific medium and feed.

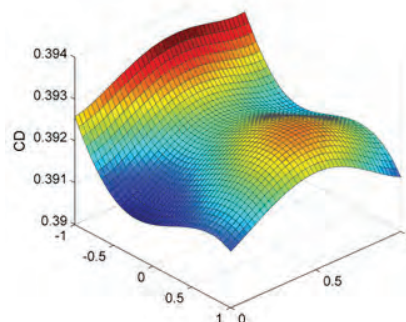


At the core of a bio manufacturing process for recombinant proteins is the production cell line. It influences the productivity and product quality. Its characteristics also dictate process development, as the process is optimized to complement the producing cell to achieve the target productivity and quality.

We are firmly committed to honor your intellectual property. We have a complete understanding of the confidentiality of your process. All your information is handled confidentially and we assure you that it will never be disclosed. We sign a confidentiality agreement to ensure that the integrity of your

- Legal contract in form of non-disclosure agreement
- Dedicated liquid nitrogen storage tanks for clone banking
- Access to Bio-Production laboratory controlled by retina security scanner

Clone and process is not compromised.



With the help "Design of Experiments", our scientists follow a systematic approach for customization of media and feed. In a comprehensive approach, our R&D scientists can create an optimal nutritional environment, developing media formulations specifically suited to your working clone. We can formulate nutrient supplements to your specifications for bioreactor feed strategies.

Accuracy of the results is further assured by using high-throughput automated instruments and minimal manual intervention.

Spent Media Analysis Service

Biochemical Analysis

Estimation of primary indicators of culture kinetics

Glucose, Lactate, Glutamine, Ammonia, Sodium, Potassium, Calcium, pO₂, pCO₂

Amino Acid Analysis

Estimation of rate-limiting and productivity influencing factors

Free amino acids

Nutrient consumption pattern over time provides critical understanding of what the cells are using and what do they require throughout culture period. This supports rational fine-tuning of specific nutrient requirements to improve cell viability, peak culture density and longevity, finally resulting in highest productivity and quality of output.

Spent medium analysis is therefore a major tool to analyse CMAs, CPPs and CQAs in critical processes such as

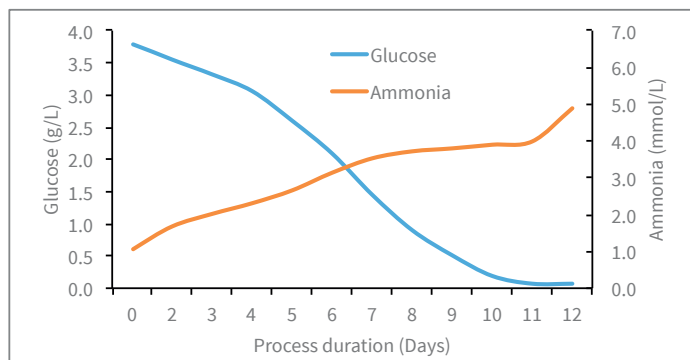
- Media screening and development
- Clone screening and selection
- Process development
- Optimization of feeding strategy

Spent Media Analytical Service offers you a complete set of tests required to analyse nutrient profile of your spent media. Using a complete regime of advanced analytical instruments, our team of experience scientists has optimized and validated methods for analysis of cell culture supernatants.

Biochemical Analysis

Chemistry

	Limit of Detection
Glucose	0.10g/L
Lactate	0.10g/L
Glutamine	0.1mmol/L
Glutamic acid	0.1mmol/L
Ammonia	0.2mmol/L
Sodium	40mmol/L
Potassium	1.00mmol/L
Calcium	0.1mmol/L
pO ₂	3.0mmHg
pCO ₂	3.0mmHg



[Glucose consumption and ammonia accumulation pattern in a typical CHO-GS culture in batch mode]

Amino Acid Analysis

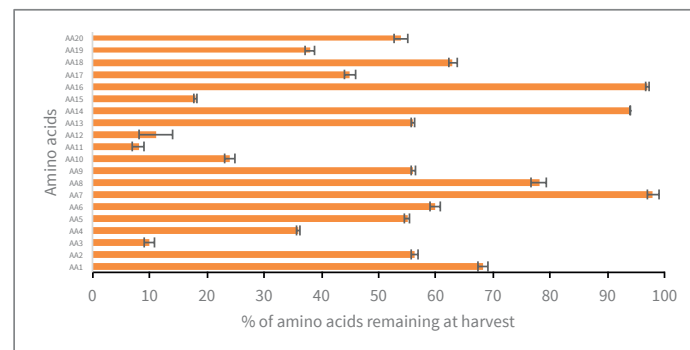
Standard AA Profile (18 amino acids)

Alanine, Arginine, Aspartic acid, Cystine, Glutamic acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tryptophan, Tyrosine, Valine

Advanced AA Profile (total 35 amino acids)

18 standard amino acids + 1-methyl histidine, 3-methyl histidine, Alpha-amino-adipic acid, Alpha-amino-butyric acid, Asparagine, β-alanine, β-amino isobutyric acid, Carnosine, Citrulline, Gaba aminobutyric acid, Hydroxyproline, Ornithine, Phosphoethanolamine, Phosphoserine, Taurine, Urea

[Limit of Detection : Varies as per amino acid (~100nM)]



Media Optimization Service

Scale up validation service is specially designed for laboratories that may have limited time, personnel, lab space and resources. And also for the laboratories which require third party validation.



Three level scale up testing

Level I



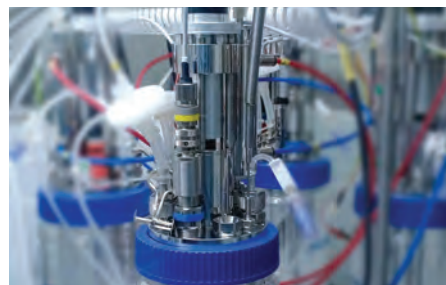
15ml Bioreactor Tubes

Level II



250ml Shake Flasks

Level III



Bioreactors 0.4L to 1.5L

Level III validation is very critical because build-up of carbon dioxide, ammonia and lactate affect -

- Peak cell density
- Cell specific productivity
- Batch specific productivity
- Product quality

Optimization of these critical process parameters at Pilot scale ultimately determines productivity of the culture at Production scale.

Equipped with a set of high end parallel bioreactors (Capacity 0.4L to 1.5L), we can help you validate your process at all scale up levels.

www.himedialabs.com



- Scalability & high viral titres
- Serum free media & Chemicals required for vaccine production.

VIRUS PRODUCTION PLATFORM

Product	Prefix	Page
CELLin1™	SFM	375
BHKin1™	SFM	375
PrimaVac™	AL, AT	375
Virus Purification Chemicals	TC	376

Product	Prefix	Page
Virus Precipitation Chemicals	TC	376
Vaccine stabilizers & adjuvants	TC	376-377

ACC

Vaccine Production Platform



ACC

CELLin1™

Chemically defined, Animal free, Serum free Virus Production Medium

Suitable for MDCK, MDBK, VERO and PK-15

BHKin1™

Chemically defined, Animal free, Serum free BHK-21 Virus Production Medium

Suitable for FMD vaccine production

PrimaVac™

Virus Production Medium for Primary Cells

Suitable for chick embryo primary fibroblasts

Assisting you at every step of Viral Vaccine Production

Step 1 : Cell Banking

Step 2 : Upstream Processing - Virus Production

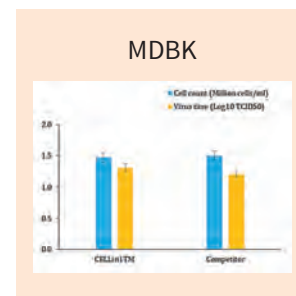
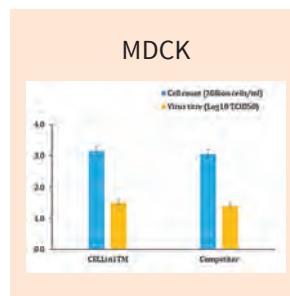
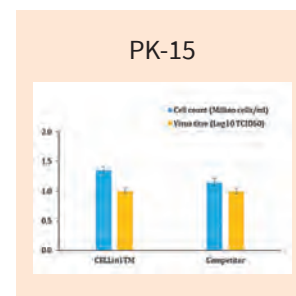
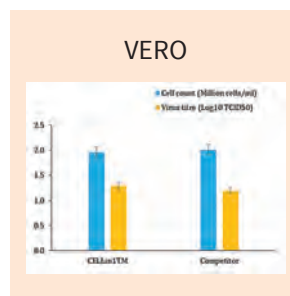
Step 3 : Downstream Processing - Virus harvest

Step 4 : Vaccine Formulation

Vaccine Production Platform

Product	Code	Packing
Vaccine Production		
CELLin1™		
CELLin1™ New Chemically defined, Animal Component Free Virus Production medium w/o L-Glutamine and Sodium bicarbonate Contains basal medium in liquid form Part A - Basal Medium (liquid) Part B - Serum-free growth supplement Store at -20°C	SFM036L-1000ML	1000ml
CELLin1™ New Chemically defined, Animal Component Free Virus Production medium w/o L-Glutamine and Sodium bicarbonate Contains basal medium in powder form Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement Store at -20°C	SFM036AP-1L SFM036AP-10L	1l 10l
BHKin1™		
BHKin1™ New Serum Free BHK Medium, Animal Component Free, Chemically Defined w/ Sodium bicarbonate and Pluronic F68 w/o L-Glutamine 1X Liquid Serum Free Cell Culture Medium Part A - Basal Medium (liquid) Part B - Serum-free growth supplement Store at -20°C	SFM006L-1000ML	1000ml
BHKin1™ New Chemically defined, Animal component free, Serum free BHK-21 Virus Production Medium w/ Pluronic F68 w/o L-Glutamine and Sodium bicarbonate Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement Store at -20°C	SFM006AP-1L SFM006AP-10L	1l 10l
Glasgow's Minimum Essential Medium GMEM w/ L-Glutamine w/o Tryptose Phosphate broth and Sodium bicarbonate	AT102-5L AT102-10X1L AT102-20L AT102-50L	5lt 10x1lt 20lt 50lt
Glasgow's Minimum Essential Medium GMEM w/ L-Glutamine and Tryptose Phosphate Broth w/o Sodium bicarbonate	AT069-5L AT069-10X1L AT069-20L	5lt 10x1lt 20lt
Glasgow's Minimum Essential Medium GMEM w/ L-Glutamine and NEAA w/o Sodium phosphate, Sodium bicarbonate and Tryptose Phosphate Broth	AT058-1L AT058-10X1L AT058-20L	1lt 10x1lt 20lt

Product	Code	Packing
Tryptose Phosphate Broth		
Tryptose Phosphate Broth Cell Culture Grade Store at 15-30°C	AT811-100G AT811-500G	100gm 500gm
PrimaVac™		
Chick Embryo Fibroblast Medium w/ L-Glutamine w/o Sodium bicarbonate	AT168-1L AT168-10X1L AT168-20L AT168-50L	1lt 10x1lt 20lt 50lt
Chick Embryo Fibroblast Medium w/ L-Glutamine and Sodium bicarbonate	AL168A-100ML AL168A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml



01
Production of Rabies virus in Vero cells using CELLin1™

02
Production of Porcine Circovirus Type 1 in PK-15 cells using CELLin1™

03
Production of Influenza A virus in MDCK cells using CELLin1™

04
Production of BHV-1 in MDBK cells using CELLin1™

ACC

Product

Code

Packing

Virus Purification

Sucrose D-(+)-Saccharose, Sugar Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{12}H_{22}O_{11}$ MW : 342.30 CAS : 57-50-1 Store below 30°C	TC048M-500G	500gm
	TC048M-1KG	1kg
	TC048M-5KG	5kg
D-(-)-Sorbitol Polyhydric alcohol; D- Glucitol; Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{14}O_6$ MW : 182.17 CAS : 50-70-4 Store below 30°C	TC170M-500G	500gm
	TC170M-1KG	1kg
	TC170M-5KG	5kg
Glycerol Glycerin Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $HOCH_2CH(OH)CH_2OH$ MW : 92.09 CAS : 56-81-5 Store below 30°C	TC503M-500ML	500ml
	TC503M-1L	1lt

Virus Precipitation

Polysorbate 80 (See: Tween® 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML	100ml
	TC543M-500ML	500ml
Polysorbate 20 (See: Tween® 20) Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications CAS : 9005-64-5 Store below 30°C	TC287M-100ML	100ml
	TC287M-5x100ML	5x100ml
Sodium chloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaCl MW : 58.44 CAS : 7647-14-5 Store below 30°C	TC046M-500G	500gm
	TC046M-1KG	1kg
	TC046M-5KG	5kg
	TC046M-10KG	10kg
Tween®80 (See: Polysorbate 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML	100ml
	TC543M-500ML	500ml

Product

Code

Packing

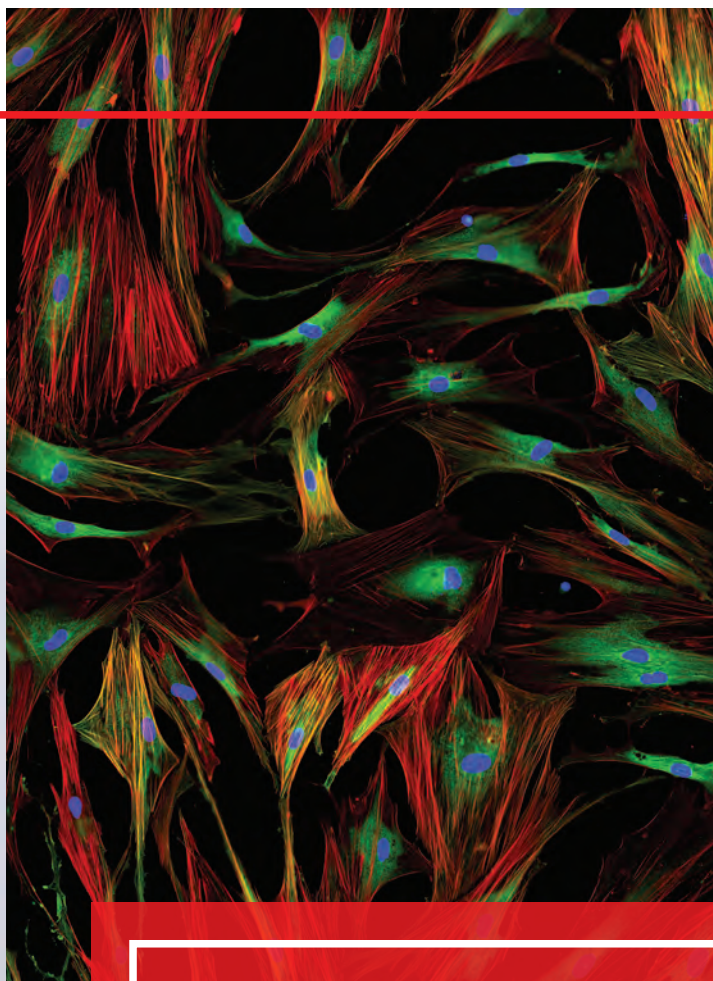
Vaccine Stabilizers and Adjuvant

Aluminium hydroxide, dried gel Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications MW : 78 CAS : 21645-51-2 Store below 30°C	TC550M-500G	500gm
	TC550M-1KG	1kg
	TC550M-5KG	5kg
Aluminium phosphate gel Meets EP 9.0 and BP 2016 testing specifications AlO_3P MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551M-100ML	100ml
	TC551M-500ML	500ml
Aluminium phosphate gel Meets USP 41-NF 36 testing specifications AlO_3P MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551U-100ML	100ml
	TC551U-500ML	500ml
Aluminium potassium sulphate dodecahydrate (See: Potassium alum dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $KAl(SO_4)_2 \cdot 12H_2O$ MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G	500gm
	TC552M-1KG	1kg
Ammonium sulphate Diammonium sulphate Meets USP 41-NF 36 testing specifications $(NH_4)_2SO_4$ MW : 132.14 CAS : 7783-20-2 Store below 30°C	TC553U-500G	500gm
	TC553U-1KG	1kg
	TC553U-5KG	5kg
Benzethonium chloride Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_{27}H_{42}ClNO_2$ MW : 448.09 CAS : 121-54-0 Store below 30°C	TC554M-100G	100gm
	TC554M-250G	250gm
Bromoethyl amine hydrobromide 2-Aminoethyl bromide hydrobromide $BrCH_2CH_2NH_2 \cdot HBr$ MW : 204.89 CAS : 2576-47-8 Assay : ≥96% Store below 30°C	TC516-100G	100gm
	TC516-1KG	1kg
	TC516-5KG	5kg
Cetyl trimethyl ammonium bromide Cetrilium bromide; Hexadecyltrimethylammonium bromide Meets USP 41-NF 36 testing specifications MW : 364.45 CAS : 57-09-0 Assay : ≥96% Store below 30°C	TC555U-25G	25gm
	TC555U-100G	100gm
	TC555U-500G	500gm

Product	Code	Packing
Formaldehyde sol, ≥35% Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CH ₂ O MW : 30.03 CAS : 50-00-0 Store below 30°C	TC557M-500ML	500ml
Glutaraldehyde, 50% Glutaral Meets USP 41- NF 36, BP 2016 and IP 2018 testing specifications MW : 100.12 CAS : 111-30-8 Store at 2 - 8°C	TC558M-100ML	100ml
Hemin MW : 652 CAS : 16009-13-5 Assay : ≥95% Store at 2 - 8°C	TC559-1G TC559-5G	1gm 5gm
Magnesium stearate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C ₃₆ H ₇₀ MgO ₄ MW : 591.27 CAS : 557-04-0 Store below 30°C	TC560M-500G TC560M-1KG	500gm 1kg
Mineral oil White Mineral oil C ₂ H ₆ OS MW : 78.13 CAS : 8042-47-5 Store below 30°C	TC600-100ML TC600-500ML	100ml 500ml
Monosodium glutamate Meets USP 41-NF 36 testing specifications MW : 169.11 Assay : ≥99% Store below 30°C	TC561U-100G TC561U-500G	100gm 500gm
2-Phenoxyethanol Phenoxyethanol, 2-Phenoxyethyl alcohol Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications C ₈ H ₁₀ O ₂ MW : 138.16 CAS : 122-99-6 Store below 30°C	TC549M-500ML	500ml

Product	Code	Packing
Povidone, K-value ≤15 Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C ₆ H ₉ NO) _n CAS : 9003-39-8 Store below 30°C	TC601M-10G TC601M-50G TC601M-100G TC601M-500G	10gm 50gm 100gm 500gm
Povidone, K-value > 15 Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C ₆ H ₉ NO) _n CAS : 9003-39-8 Store below 30°C	TC562M-10G TC562M-50G TC562M-100G TC562M-500G	10gm 50gm 100gm 500gm
Potassium Alum dodecahydrate (See: Aluminium potassium sulphate, dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KAl(SO ₄) ₂ ·12H ₂ O MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G TC552M-1KG	500gm 1kg
β-Propiolactone C ₃ H ₄ O ₂ MW : 72.06 CAS : 57-57-8 Assay : ≥97% Store at -20°C	TC223-100ML	100ml
Protamine sulphate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications MW : 372.42 CAS : 9009-65-8 Store below 30°C	TC563M-10G TC563M-50G	10gm 50gm
Span® 80, Vaccine grade C ₂ H ₄₄ O ₆ MW : 428.6 CAS : 1338-43-8 Store below 30°C	TC599-100ML TC599-500ML	100ml 500ml
Span® 80 New Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specification C ₂₄ H ₄₄ O ₆ MW : 428.60 CAS : 1338-43-8 Store below 30°C	TC599M-100ML TC599M-500ML TC599M-1L	100ml 500ml 1lt

MEDIA



REF AL007-500ML HIMEDIA

Dulbecco's Modified Eagle Medium (DMEM), High glucose
w/ 4.5gms Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine

STERILE A

NOTES:

**For More details refer 'Technical Data Sheet'*

On receipt Store at $2\pm 2^{\circ}\text{C}$ Do not freeze Not intended for any human or animal diagnostic or therapeutic use.

LOT 0000310064 AUG-2017

AUG-2018 See M.R.P. on bottle / Pack for details. Country of Origin India

Net Content: 500ml

HIMEDIA Laboratories PVT.LTD
Plot No. 8/48, Pukhraj MIDC, Chhatrapati, Nashik - 422 002.
Customer Care No. 022-4118 9197. Email: info@himedia.com

CLASSICAL MEDIA

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Refer page no. 383 - 399

ACC



Cell culture experiments are time consuming, require premium quality resources and triplicate repetitions for obtaining statistically significant results. Seek our services for faster and accurate results.



CUSTOM SERVICE PLATFORM

Your experiments... Our expertise...

Our Custom Testing Services provide you with a complete solution to make your experiments easier and faster, assuring you the accuracy and authenticity of results.

With more than a decade of experience in Animal Cell Culture, we possess a comprehensive array of premium quality media, reagents and kits. A team of competent scientists at our lab have optimized and validated numerous cell culture techniques. Equipped with high throughput automated instruments complying with the latest technology, we also have advanced analytical tools for statistical analysis of the experimental data. From a wide variety of cancerous cell lines, stem cells and primary cells, you can select the cell line of your choice depending on your experimental requirement!

Save your precious time... Depend on us...

FEATURES

- Validated method of analysis
- Save your time and resources
- Detailed statistical analysis and comprehensive report
- Accuracy of results assured by the use of high throughput, automated instruments



SERVICES OFFERED

DRUG SCREENING

Viability and Cytotoxicity

High throughput colorimetric and fluorometric assays for drug screening

MTT, XTT, MTS, WST-1, WST-8, EZBlue

MYCOPLASMA TESTING

- Direct testing by culture method
- Indirect testing by Hoechst staining
- PCR testing (16s rRNA sequence)
- PCR testing (16s - 23s rRNA space region)

CELL AUTHENTICATION

- STR profiling (service provided by ATCC)
- Marker analysis (flow cytometry)

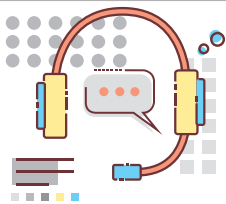
SCALE UP OF CELLS

Large scale propagation of cells using multi-layer flasks and cell factories

If you don't find the assay you want, contact us with your project requirements at atc@himedialabs.com

For BioProduction Services [Refer Page 370](#)

CUSTOM SERVICE WORKFLOW



▼ Receipt of Service Request



▼ Preliminary Meeting / Discussion with Scientist



▼ Service Offer and Approval of the Quotation



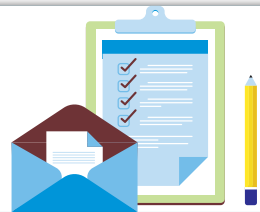
▼ Designing of Experiment



▼ Execution of the Experiment



▼ Statistical Analysis and Report Preparation



▼ Report Submission



HiMedia's core expertise in cell culture media enables us to provide the widest range of cell culture media along with a wide range of quality assured cell culture reagents, supplements and sera.

CELL CULTURE PLATFORM

Product	Prefix	Page
Cell Culture Media		
Classical Media (Liquid)	AL	383-390
HiGlutaXL™ Media	AL***G	391
LoSera™ Media	RSL	392
Classical Media (Powder)	AT	393-399
Insect Media	IML / IM	400
HiSep™ Density Gradient Cell Separation Media	LS	401
CryoXL™ Cell Freezing Media	TCL	402
Cell Culture Reagents		
Antibiotic Solutions	A	403
Balanced Salts	TS / TL	404-406
Cell Dissociation Reagents	TCL	407-409
Miscellaneous Reagents	TCL	410

Product	Prefix	Page
Cell Culture Supplements		
Amino Acid Concentrates	AC / ACL	411
Hydrolysates	TC / TCL	411-412
Vitamin Solutions	VA	412
Specialty Product Segment		
Mouse IVF Platform	AL	413
Hybridoma Platform	AT/ AL/ T / TCL	413
Transfection Platform	SFM/ RSL/ CCK	413
Cytogenetics Platform	AL/ TCL/ TL /CCK	414-415
Viral Transport Systems	AL / MS	416-417
Sera	RM	418-424

Cell Culture Platform

The introduction of cell culture methodology to the biological sciences ushered in a new era of rapid and exciting advances in the fields of virology, cytology, drug discovery, toxicology, cancer and stem cell research and therapy. Our comprehensive portfolio in cell culture platform includes classical media, sera, cell culture reagents, cell culture supplements and many more.

Media : HiMedia's core expertise lies in manufacturing cell culture media, both in powdered as well as liquid form, for mammalian and insect cell. Comprehensive design of experiments, rigorous raw material qualification and media production with no manual intervention using automated liquid handling platform and automatic filling line are our strengths that enable us to provide the widest range of cell culture media.

Customized Media : It has been our endeavor to help researchers with their specific requirements related to media and cell culture reagents. We provide customized products as per the unique requirements of the customer in terms of : media formulations, packaging, labeling, documentation (e.g. certificates of origin, BSE/ TSE risk statements) and additional QC testing (e.g. virus testing, mycoplasma detection, amino acid profiling). We are firmly committed to maintain the confidentiality of your

project and we sign a confidentiality agreement to ensure that the integrity of your project is not compromised.

Sera : HiMedia provides a wide range of quality assured serum over decades that helps achieving consistency in cell growth. Our product listing includes sera from bovine fetus, adult bovine, newborn calf and other animals and speciality sera. All lots of sera undergo comprehensive quality control testing that include sterility testing against mycoplasma, viruses and bacteria, antibody testing, analysis of growth promotion capacity, protein profiling, endotoxin content and physicochemical analysis.

Karyotyping Solutions : HiMedia offers media, reagents, and supplements that are specifically formulated to deliver clear, reproducible results. Each media has been designed and optimized for the analysis of peripheral blood lymphocytes, amniotic fluid cells, chorionic villus samples and bone marrow cells respectively.

Viral Transport System : Simplify collection, transport, maintenance and frozen storage of viruses, chlamydia, mycoplasma and ureaplasma specimens with the HiViral™ Transport Media and Swab.

For more info :
atc@himedialabs.com | www.himedialabs.com



ACG

Cell Culture Media

Product	Code	Packing
Classical Media (Liquid)		
Basal Medium Eagle (BME)		
Basal Medium Eagle (BME) w/ Earle's salts and Sodium bicarbonate w/o L-Glutamine	AL242-100ML	5x100ml
	AL242-500ML	500ml
		2x500ml
		6x500ml 20x500ml
Click's Medium (EHAA)		
Click's Medium (EHAA) Eagle Hanks' Amino Acids w/ Sodium bicarbonate w/o Mercaptoethanol and L-Glutamine	AL117-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Chick Embryo Fibroblast Medium		
Chick Embryo Fibroblast Medium w/ L-Glutamine and Sodium bicarbonate	AL168A-100ML	5x100ml
	AL168A-500ML	500ml
		2x500ml
		6x500ml 20x500ml
CMRL 1066 Medium		
CMRL 1066 Medium w/ L-Glutamine and Sodium bicarbonate	AL110A-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
CMRL 1066 Medium w/ Sodium bicarbonate w/o L-Glutamine and Phenol red	AL226-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM)		
Dulbecco's Modified Eagle Medium (DMEM) w/ Sodium pyruvate and Sodium bicarbonate w/o Glucose and L-Glutamine	AL186-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM) w/ L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Glucose	AL186A-100ML	5x100ml
	AL186A-500ML	500ml
		2x500ml
		6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM) w/ L-Glutamine and Sodium bicarbonate w/o Glucose and Sodium pyruvate	AL269A-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Product	Code	Packing
Dulbecco's Modified Eagle Medium (DMEM), Low glucose		
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine	AL006-100ML	5x100ml
	AL006-500ML	500ml
		2x500ml
		6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate	AL006A-100ML	5x100ml
	AL006A-500ML	500ml
		2x500ml
		6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Folic acid	AL006F-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM), Low Glucose w/ 1gm Glucose per litre, 25mM HEPES buffer, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL149-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, 25mM HEPES buffer, Sodium pyruvate and Sodium bicarbonate	AL149A-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine and Phenol red	AL183-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Phenol red	AL183A-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose		
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and Sodium bicarbonate w/o L-Glutamine and Sodium pyruvate Hybridoma Tested	AL111-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and Sodium bicarbonate w/o L-Glutamine and Sodium pyruvate	AL066-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Product	Code	Packing
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium bicarbonate w/o Sodium pyruvate	AL066A-100ML AL066A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine	AL007-100ML AL007-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, 3.7 gms per litre Sodium bicarbonate and Sodium pyruvate	AL007A-100ML AL007A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
❖ Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, 1mM Sodium pyruvate, L-Glutamine and 1.5 gms per litre Sodium bicarbonate	AL007S-100ML AL007S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Folic acid	AL007F-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, 1mM Sodium pyruvate, L-Glutamine and 1.5 gms per litre Sodium bicarbonate w/o Phenol red	AL101S-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and Sodium bicarbonate w/o Calcium chloride	AL219A-100ML AL219A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate and Phenol red	AL190-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High Glucose w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and Sodium bicarbonate w/o Phenol red	AL264A-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, 25mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine and Sodium pyruvate	AL067-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate w/o Sodium pyruvate	AL067A-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium bicarbonate w/o Sodium pyruvate and Sodium phosphate	AL068A-100ML AL068A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, 25mM HEPES buffer, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL151-100ML AL151-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, 25mM HEPES buffer, L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL151A-100ML AL151A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate, 25mM HEPES buffer and Sodium bicarbonate w/o Phenol red	AL241A-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o Phenol red and L-Glutamine	AL101-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High glucose with 4.5gms Glucose per litre, Sodium bicarbonate, D-Valine and Sodium pyruvate w/o L-Valine and L-Glutamine	AL251-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium, High Glucose w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium pyruvate and Sodium bicarbonate	AL281A-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High Glucose, 10X w/ 4.5gms Glucose per litre, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL291-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High Glucose w/ 4.5gms Glucose per litre and Sodium bicarbonate w/o L-Glutamine, Calcium chloride, HEPES buffer and Sodium pyruvate	AL293-100ML AL293-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium (DMEM), High Glucose, 2X w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium pyruvate and Sodium bicarbonate 2X Liquid Cell Culture Medium	AL294A-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
(DMEM / F12, 1:1 Mixture)		
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ Sodium bicarbonate and Trace elements w/o L-Glutamine and HEPES buffer	AL127-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Glutamine, Sodium bicarbonate and Trace elements w/o HEPES buffer	AL127A-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ Trace elements, L-Glutamine and 1.5gms per litre Sodium bicarbonate w/o HEPES buffer	AL127S-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Glutamine and 2.438gms per litre Sodium bicarbonate w/o HEPES buffer and Trace elements	AL155A-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ 15mM HEPES buffer, Sodium bicarbonate and Trace elements w/o L-Glutamine	AL139-100ML AL139-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Glutamine, 15 mM HEPES buffer, Sodium bicarbonate and Trace elements	AL139A-100ML AL139A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Glutamine, 15mM HEPES buffer and Sodium bicarbonate w/o Phenol red and Trace elements	AL215A-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ 15mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine and Trace elements	AL140-500ML	500ml 2x500ml 6x500ml 20x500ml
❖ Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture) w/ 2.5mM L-Glutamine, 15 mM HEPES buffer, 0.5mM Sodium pyruvate and 1.2gms per litre Sodium bicarbonate	AL140S-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture) w/ L-Glutamine, 2mg/L Riboflavin, 55mg/L Sodium pyruvate and Sodium bicarbonate w/o HEPES buffer, Trace elements and Pyridoxal hydrochloride	AL243A-100ML AL243A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Glasgow's Minimum Essential Medium (GMEM)		
Glasgow's Minimum Essential Medium (GMEM) w/ Sodium bicarbonate and NEAA w/o L-Glutamine, Sodium phosphate and Tryptose Phosphate Broth	AL058-100ML AL058-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Glasgow's Minimum Essential Medium (GMEM) w/ Tryptose phosphate broth and Sodium bicarbonate w/o L-Glutamine	AL069-100ML AL069-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Glasgow's Minimum Essential Medium (GMEM) w/ L-Glutamine and Sodium Bicarbonate w/o Tryptose Phosphate Broth Note: See page 407 for TCL009 - Tryptose Phosphate Broth	AL166A-100ML AL166A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Iscove's Modified Dulbecco's Medium (IMDM)		
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine and Sodium Bicarbonate w/o HEPES buffer	AL160A-500ML	500ml 2x500ml 6x500ml 20x500ml
Iscove's Modified Dulbecco's Medium (IMDM) w/ Sodium bicarbonate and 25mM HEPES buffer w/o L-Glutamine	AL070-500ML	500ml 2x500ml 6x500ml 20x500ml
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine, Sodium bicarbonate and 25mM HEPES buffer Hybridoma Tested	AL070H-500ML	500ml 2x500ml 6x500ml 20x500ml
❖ Iscove's Modified Dulbecco's Medium (IMDM) w/ 4mM L-Glutamine, 4.5 gms Glucose per litre, 25 mM HEPES buffer and 1.5 gms per litre Sodium bicarbonate 1X Liquid Cell Culture Medium	AL070S-500ML	500ml 2x500ml 6x500ml 20x500ml
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine, 3.024 gms per litre Sodium bicarbonate and 25mM HEPES buffer	AL070A-500ML	500ml 2x500ml 6x500ml 20x500ml
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate w/o Glucose	AL230A-100ML AL230A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Leibovitz's L-15 Medium		
Leibovitz's L-15 Medium w/o L-Glutamine	AL011-500ML	500ml 2x500ml 6x500ml 20x500ml
Leibovitz's L-15 Medium w/ L-Glutamine	AL011A-500ML	500ml 2x500ml 6x500ml 20x500ml
Leibovitz's L-15 Medium w/ L-Glutamine and Sodium bicarbonate w/o Phenol red and Sodium pyruvate	AL204A-500ML	500ml 2x500ml 6x500ml 20x500ml
❖ Leibovitz's L-15 Medium w/ 2mM L-Glutamine	AL011S-100ML AL011S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Leibovitz's L-15 Medium 2X w/ L-Glutamine	AL247A-500ML	500ml 2x500ml 6x500ml 20x500ml
MCDB 131 Medium		
MCDB 131 Medium w/ Trace elements, L-Glutamine and Sodium bicarbonate	AL133A-500ML	500ml 2x500ml 6x500ml 20x500ml
MCDB 153 Medium w/ Trace elements, L-Glutamine, 28 mM HEPES buffer and Sodium bicarbonate 1X Liquid Cell Culture Medium	AL135A-500ML	500ml 2x500ml 6x500ml 20x500ml
McCoy's 5A Medium		
McCoy's 5A Medium w/ Sodium bicarbonate w/o L-Glutamine	AL057-500ML	500ml 2x500ml 6x500ml 20x500ml
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate	AL057A-500ML	500ml 2x500ml 6x500ml 20x500ml
❖ McCoy's 5A Medium w/ 1.5mM L-Glutamine and 2.2gms per litre Sodium bicarbonate	AL057S-500ML	500ml 2x500ml 6x500ml 20x500ml
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate w/o Folic acid	AL057F-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate w/o Phenol red	AL179A-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199		
Medium 199 w/ Earle's Salts and Sodium bicarbonate w/o L-Glutamine	AL014-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 w/ Earle's Salts, L-Glutamine and Sodium bicarbonate	AL014A-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 (2X) w/ Earle's Salts, L-Glutamine and Sodium bicarbonate	AL258A-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 w/ Earle's salts, 25 mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine	AL094-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 w/ Earle's salts, 25 mM HEPES buffer, L-Glutamine and Sodium bicarbonate	AL094A-100ML AL094A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Medium 199 (10X) w/ Earle's salts w/o L-Glutamine and Sodium bicarbonate	AL189-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 w/ Hanks' Salts and Sodium bicarbonate w/o L-Glutamine	AL267-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 (10X) w/ Hanks' salts w/o L-Glutamine and Sodium bicarbonate	AL192-500ML	500ml 2x500ml 6x500ml 20x500ml
Medium 199 w/ Hanks' salts, 25mM HEPES buffer, L-Glutamine and Sodium bicarbonate	AL209A-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Minimum Essential Medium Eagle (MEM)		
Minimum Essential Medium Eagle (MEM) w/ Earle's salts and Sodium bicarbonate w/o NEAA and L-Glutamine	AL020-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, L-Glutamine and 2.2gms per litre Sodium bicarbonate w/o NEAA	AL020A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts and 1.5gms per litre Sodium bicarbonate w/o NEAA and L-Glutamine	AL020S-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA and Sodium bicarbonate w/o L-Glutamine	AL047-100ML AL047-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, L-Glutamine, NEAA and 2.2gms per litre Sodium bicarbonate	AL047A-100ML AL047A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA, Sodium bicarbonate and L-Glutamine Hybridoma Tested	AL047H-500ML	500ml 2x500ml 6x500ml 20x500ml
❖ Minimum Essential Medium Eagle (MEM) w/ Earle's salts, 2mM L-Glutamine, 1mM Sodium pyruvate, NEAA and 1.5 gms per litre Sodium bicarbonate	AL047S-100ML AL047S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's Salts, L-Glutamine, NEAA, Sodium pyruvate, 15mM HEPES buffer and Sodium bicarbonate	AL182A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA and Sodium bicarbonate w/o L-Glutamine and Phenol red	AL046-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium (MEM) with Earle's salts, NEAA, L-Glutamine and Sodium bicarbonate w/o Phenol red	AL046A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) 10X w/ Earle's salts w/o NEAA, L-Glutamine and Sodium bicarbonate	AL191-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Minimum Essential Medium Eagle (MEM) with Earle's Salts, L-Glutamine, 25mM HEPES, NEAA and Sodium bicarbonate	AL260A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts, L-Glutamine and Sodium bicarbonate	AL056A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts, L-Glutamine, NEAA and Sodium bicarbonate	AL048A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts, 25mM HEPES buffer, L-Glutamine and Sodium bicarbonate	AL075A-100ML AL075A-500ML	5x100ml 500ml 2x500ml 6x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL154A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) (2X) w/ Earle's salts, NEAA, L-Glutamine and Sodium bicarbonate w/o Phenol red	AL178A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (Joklik Modification)		
Minimum Essential Medium Eagle (MEM) (Joklik Modification) (For Suspension Culture) w/ Sodium bicarbonate w/o L-Glutamine	AL079-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (Alpha modification)		
Minimum Essential Medium Eagle (Alpha modification) w/ Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate w/o L-Glutamine	AL080-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (Alpha Modification) w/ Deoxyribonucleoside, Ribonucleoside, L-Glutamine and Sodium bicarbonate	AL080A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (Alpha Modification) w/ L-Glutamine and Sodium bicarbonate w/o Sodium Pyruvate, Ribonucleoside and Deoxyribonucleoside	AL285A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L Glutamine, Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate w/o Phenol red	AL253A-500ML	500ml 2x500ml 6x500ml 20x500ml

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Product	Code	Packing
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ Deoxyribonucleosides, Ribonucleosides, L-Glutamine and Sodium bicarbonate w/o Ascorbic acid	AL221A-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (Alpha Modification) w/ Sodium bicarbonate w/o L-Glutamine, Deoxyribonucleosides and Ribonucleosides	AL081-500ML	500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (Alpha Modification) w/ L-Glutamine and Sodium bicarbonate w/o Deoxyribonucleosides and Ribonucleosides	AL081A-500ML	500ml 2x500ml 6x500ml 20x500ml

Minimum Essential Medium Eagle (MEM) (For Suspension Culture)

Minimum Essential Medium Eagle (MEM) (For Suspension Culture) w/ Spinner salts and Sodium bicarbonate w/o L-Glutamine	AL019-500ML	500ml 2x500ml 6x500ml 20x500ml
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Nutrient Mixture F-10 Ham

Nutrient Mixture F-10 Ham w/ Sodium bicarbonate, 25 mM HEPES buffer and L-Glutamine	AL083A-500ML	500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-10 Ham w/ 20mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AL196-500ML	500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-10 Ham w/ 20mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine	AL184-100ML AL184-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-10 Ham w/ Sodium bicarbonate w/o L-Glutamine	AL024-100ML AL024-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Nutrient mixture F-10 Ham w/ Sodium bicarbonate and L-Glutamine	AL024A-100ML AL024A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml

Nutrient Mixture F-12 Ham

Nutrient Mixture F-12 Ham w/ Sodium bicarbonate w/o L-Glutamine	AL025-100ML AL025-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
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Product	Code	Packing
Nutrient Mixture F-12 Ham w/ L-Glutamine and 1.176gms per litre Sodium bicarbonate	AL025A-500ML	500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-12 Ham w/ 2mM L-Glutamine and 1.5gms per litre Sodium bicarbonate	AL025S-500ML	500ml 2x500ml 6x500ml 20x500ml

Nutrient Mixture F-10 Ham

Nutrient Mixture F-10 Ham w/ 10 mM HEPES buffer, L-Glutamine and 1.2 g/L Sodium bicarbonate w/o Phenol red	AL290A-100ML AL290A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
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Nutrient Mixture F-12 Ham, Kaighn's Modification

Nutrient Mixture F-12 Ham, Kaighn's Modification w/ Sodium bicarbonate w/o L-Glutamine	AL106-500ML	500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-12 Ham, Kaighn's Modification w/ L-Glutamine and 2.5gms per litre Sodium bicarbonate	AL106A-100ML AL106A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-12 Ham, Kaighn's Modification w/ L-Glutamine and 1.5 gms per litre Sodium bicarbonate	AL106S-100ML AL106S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Nutrient Mixture F-12 Ham, Kaighn's Modification w/ 1.5 gms per litre Sodium bicarbonate w/o L-Glutamine	AL271S-500ML	500ml 2x500ml 6x500ml 20x500ml

Nutrient Mixture F-12 Ham, Coon's Modification

Nutrient Mixture F-12 Ham, Coon's Modification w/ Sodium bicarbonate w/o L-Glutamine	AL146-500ML	500ml 2x500ml 6x500ml 20x500ml
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NCTC-109 Medium

NCTC-109 Medium w/ Phenol red and coenzymes w/o L-Glutamine and HEPES buffer	AL138-500ML	500ml 2x500ml 6x500ml 20x500ml
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Product	Code	Packing
RPMI-1640		
RPMI-1640 w/ Sodium bicarbonate w/o L-Glutamine	AL028-100ML AL028-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine and Sodium bicarbonate	AL028A-100ML AL028A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ Sodium bicarbonate w/o L-Glutamine Hybridoma tested	AL028B-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ Sodium bicarbonate w/o Folic acid and L-Glutamine	AL028F-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine and Sodium bicarbonate w/o Phenol red	AL120A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine and Sodium bicarbonate w/o Glucose and HEPES	AL150A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5 gms Glucose per litre, 10mM HEPES buffer and 2 gms per litre Sodium bicarbonate	AL162A-100ML AL162A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5 gms Glucose per litre, 10mM HEPES buffer and Sodium bicarbonate w/o Phenol red	AL171A-100ML AL171A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
❖ RPMI-1640 w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5gms Glucose per litre, 10mM HEPES buffer and 1.5gms per litre Sodium bicarbonate	AL162S-100ML AL162S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 2mM L-Glutamine, 10mM HEPES buffer, 4.5gms Glucose per litre and 1.5gms per litre Sodium bicarbonate w/o Sodium pyruvate	AL223S-100ML AL223S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 2mM -Glutamine, 10mM HEPES buffer, 4.5gms Glucose per litre and 2gms per litre Sodium bicarbonate w/o Sodium pyruvate	AL223A-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
RPMI-1640 w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5gms Glucose per litre and 2.0gms per litre Sodium bicarbonate w/o HEPES buffer	AL199A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5gms Glucose per litre and 1.5gms per litre Sodium bicarbonate w/o HEPES buffer	AL199S-100ML AL199S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 3.05mM L-Glutamine, 10mM HEPES buffer and 2gms per litre Sodium bicarbonate	AL214A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 25mM HEPES buffer, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine	AL157-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ Sodium bicarbonate and 25mM HEPES buffer w/o L-Glutamine	AL060-100ML AL060-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate	AL060A-100ML AL060A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine and 20mM HEPES buffer w/o Sodium bicarbonate	AL197A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine, 2gms Glucose per litre, 0.165 moles per litre MOPS buffer and Sodium bicarbonate	AL180A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ L-Glutamine and 2gms Glucose per litre and 0.165 moles per litre MOPS Buffer w/o Sodium bicarbonate	AL200A-100ML AL200A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ 25mM HEPES buffer, L-Glutamine and 2.2gms per litre Sodium bicarbonate	AL201A-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 10X w/o Sodium bicarbonate and L-Glutamine	AL102-100ML AL102-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml






Product	Code	Packing
RPMI-1640, Dutch modification		
RPMI-1640, Dutch modification w/ 20mM HEPES buffer and 1gm per litre Sodium bicarbonate w/o L-Glutamine	AL198-500ML	500ml 2x500ml 6x500ml 20x500ml
Weymouth Medium MB 752/1		
Weymouth Medium MB 752/1 w/ L-Glutamine and Sodium bicarbonate	AL091A-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
William's Medium E		
William's Medium E w/ Sodium bicarbonate w/o L-Glutamine	AL125-500ML	500ml 2x500ml 6x500ml 20x500ml
William's Medium E w/ Sodium bicarbonate w/o Phenol red and L-Glutamine	AL240-500ML	500ml 2x500ml 6x500ml 20x500ml

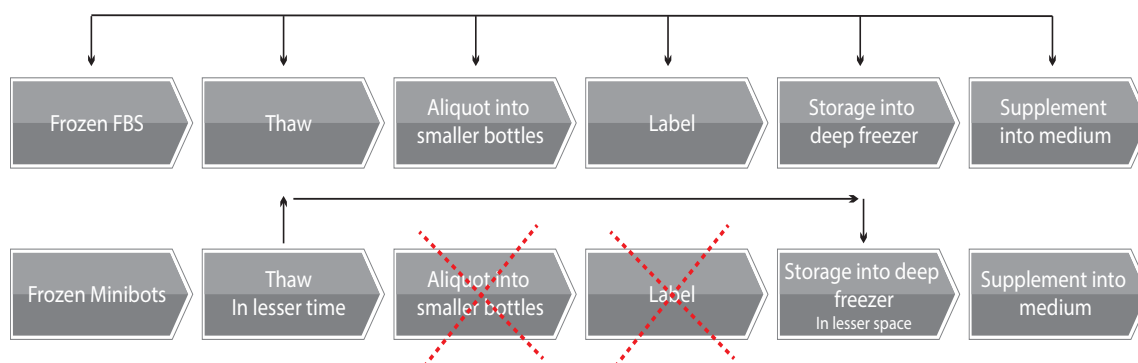
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Minibot™ – Individually packed 50ml FBS bottles



-  Easy Handling
-  Reduced risk of contamination
-  Avoid repeated freeze-thaw
-  Avoid labelling mistakes
-  Generate less waste

Classical Method for FBS Aliquoting



Use of Minibot™

For more information refer page no. 418 - 419

Product	Code	Packing
HiGlutaXL™ Media Media containing stable glutamine		
HiGlutaXL™ Dulbecco's Modified Eagle Medium, High Glucose w/ 4.5gms Glucose per litre, L-Alanyl-L-Glutamine and Sodium bicarbonate w/o Sodium pyruvate	AL066G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Dulbecco's Modified Eagle Medium, High Glucose w/ L-Alanyl-L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL007G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Dulbecco's Modified Eagle Medium (DMEM) w/ 4.5gms Glucose per litre, L-Alanyl-L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate w/o Sodium pyruvate	AL067G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Alanyl-L-Glutamine, Sodium bicarbonate and Trace elements w/o HEPES buffer	AL127G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Alanyl-L-Glutamine and 1.2gms per litre Sodium bicarbonate w/o HEPES buffer and Trace elements	AL273G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12 Ham (DMEM/F12, 1:1 Mixture) w/ L-Alanyl-L-Glutamine and 2.438gms per litre Sodium bicarbonate w/o HEPES buffer and Trace elements	AL155G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Alanyl-L-Glutamine, HEPES buffer, Sodium bicarbonate and Trace elements	AL139G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Medium 199 w/ Earle's salts, L-Alanyl-L-Glutamine and Sodium bicarbonate w/o HEPES buffer	AL014G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Minimum Essential Medium Eagle (MEM) w/ L-Alanyl-L-Glutamine, Earle's salts and Sodium bicarbonate w/o NEAA	AL020G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Minimum Essential Medium Eagle w/ L-Alanyl-L-Glutamine, Earle's salts, NEAA and Sodium bicarbonate	AL047G-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
HiGlutaXL™ Minimum Essential Medium Eagle w/ L-Alanyl-L-Glutamine, Hanks' salts and Sodium bicarbonate	AL056G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Minimum Essential Medium (Alpha Modification) w/ L-Alanyl-L-Glutamine, Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate	AL080G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Minimum Essential Medium (Alpha Modification) w/ L-Alanyl-L-Glutamine and Sodium bicarbonate w/o Deoxyribonucleosides and Ribonucleosides	AL081G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L-Alanyl-L-Glutamine and Sodium bicarbonate w/o Deoxyribonucleosides, Ribonucleosides and Phenol red	AL255G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ Nutrient Mixture F-10 Ham w/ L-Alanyl-L-Glutamine and Sodium bicarbonate	AL024G-100ML AL024G-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ RPMI-1640 w/ L-Alanyl-L-Glutamine and Sodium bicarbonate	AL028G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ RPMI-1640 w/ L-Alanyl-L-Glutamine, HEPES buffer and Sodium bicarbonate	AL060G-500ML	500ml 2x500ml 6x500ml 20x500ml
HiGlutaXL™ RPMI-1640 w/ L-Alanyl-L-Glutamine, HEPES buffer, 60mg per litre Penicillin, 100mg per litre Streptomycin, 15% FBS and Sodium bicarbonate (*8ml medium in 15ml round bottom centrifuge tube) Store at - 20°C	AL751G-100ML AL751G-500ML •AL751G-20X50NO	5x100ml 500ml 2x500ml 6x500ml 20x500ml 20X50NO
HiGlutaXL™ Supplement 200mM w/ L-Alanyl-L-Glutamine in 0.85% normal saline	TCL030-100ML	100ml 5x100ml

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Product	Code	Packing
LoSera™ Media Media requiring reduced serum supplementation		
LoSera™ Dulbecco's Modified Eagle Medium, Low Glucose w/ 1gm Glucose per litre, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL019-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Dulbecco's Modified Eagle Medium, High Glucose w/ Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL003-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Dulbecco's Modified Eagle Medium, High Glucose w/ L-Alanyl-L-Glutamine, Sodium pyruvate and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL003G-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ Trace elements and Sodium bicarbonate w/o L-Glutamine and HEPES buffer 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL005-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture) w/ HEPES buffer, Sodium bicarbonate and Trace elements w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL006-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture) w/ L-Alanyl-L-Glutamine, HEPES buffer, Sodium bicarbonate and Trace elements 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL006G-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Iscove's Modified Dulbecco's Medium w/ HEPES buffer and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL007-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Minimum Essential Medium Eagle w/ Earle's salts, NEAA and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL008-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
LoSera™ Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA, L-Glutamine and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL008A-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Minimum Essential Medium Eagle w/ Earle's salts, L-Alanyl-L-Glutamine, NEAA and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL008G-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Nutrient Mixture F-10 Ham w/ Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL009-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ Nutrient Mixture F-12 Ham w/ Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL010-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ RPMI-1640 w/ Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL011-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ RPMI-1640 w/ L-Alanyl-L-Glutamine and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL011G-500ML	500ml 2x500ml 6x500ml 20x500ml
LoSera™ RPMI-1640 w/ HEPES buffer and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL012-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Classical Media (Powder)		
AME's Medium		
AME's Medium w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT121-1L AT121-10X1L AT121-20L	1lt 10x1lt 20lt
BGjb Medium Fitton-Jackson Modification		
BGjb Medium Fitton-Jackson Modification w/ L-Glutamine w/o Sodium bicarbonate	AT123-1L AT123-5L AT123-10X1L AT123-20L	1lt 5lt 10x1lt 20lt
Basal Medium Eagle (BME)		
Basal Medium Eagle (BME) w/ Earle's salts and L-Glutamine w/o Sodium bicarbonate	AT001-1L AT001-5L AT001-10X1L AT001-20L	1lt 5lt 10x1lt 20lt
Basal Medium Eagle (BME) w/ Earle's salts w/o L-Glutamine and Sodium bicarbonate	AT242A-5L AT242A-10X1L AT242A-20L	5lt 10x1lt 20lt
Basal Medium Eagle (BME) w/ Hanks' salts and L-Glutamine w/o Sodium bicarbonate	AT002-10X1L AT002-20L	10x1lt 20lt
Basal Medium Eagle (BME) w/ Hanks' salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT062-5L AT062-10X1L AT062-20L	5lt 10x1lt 20lt
Basal Medium Eagle (BME) (Modified for Autoclaving) w/ Earle's salts w/o L-Glutamine and Sodium bicarbonate	AT004A-10X1L AT004A-20L	10x1lt 20lt
Click's Medium (EHAA) Eagle Hanks' Amino Acids		
Click's Medium (EHAA) Eagle Hanks' Amino Acids w/o L-Glutamine, Mercaptoethanol and Sodium bicarbonate	AT122A-5L AT122A-10X1L AT122A-20L	5lt 10x1lt 20lt
CMRL 1066 Medium		
CMRL 1066 Medium w/ L-Glutamine w/o Sodium bicarbonate	AT110-1L AT110-5L AT110-10X1L AT110-20L AT110-50L	1lt 5lt 10x1lt 20lt 50lt
CMRL 1066 Medium w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT226A-5L AT226A-10X1L AT226A-20L AT226A-50L	5lt 10x1lt 20lt 50lt

Product	Code	Packing
Chick Embryo Fibroblast Medium		
Chick Embryo Fibroblast Medium w/ L-Glutamine w/o Sodium bicarbonate	AT168-1L AT168-10X1L AT168-20L AT168-50L	1lt 10x1lt 20lt 50lt
Dulbecco's Modified Eagle Medium (DMEM)		
Dulbecco's Modified Eagle Medium (DMEM) w/o L-Glutamine, Glucose, Phenol red, Sodium pyruvate and Sodium bicarbonate	AT063A-1L AT063A-5L AT063A-10X1L AT063A-20L AT063A-50L	1lt 5lt 10x1lt 20lt 50lt
Dulbecco's Modified Eagle Medium (DMEM) w/ L-Glutamine and Sodium pyruvate w/o Glucose and Sodium bicarbonate	AT186-1L AT186-5L AT186-10X1L AT186-20L AT186-50L	1lt 5lt 10x1lt 20lt 50lt
Dulbecco's Modified Eagle Medium (DMEM) w/ L-Glutamine w/o D-Glucose, Sodium pyruvate and Sodium bicarbonate	AT195-1L AT195-10X1L AT195-20L	1lt 10x1lt 20lt
Dulbecco's Modified Eagle Medium (DMEM), Low glucose		
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate	AT006-1L AT006-5L AT006-10X1L AT006-20L AT006-50L	1lt 5lt 10x1lt 20lt 50lt
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre and Sodium Pyruvate w/o L-Glutamine and Sodium bicarbonate	AT006A-1L AT006A-10X1L AT006A-20L AT006A-50L	1lt 10x1lt 20lt 50lt
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, 25mM HEPES buffer and Sodium Pyruvate w/o Sodium bicarbonate	AT149-1L AT149-5L AT149-10X1L AT149-20L	1lt 5lt 10x1lt 20lt
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate and Phenol red	AT183-1L AT183-5L AT183-10X1L AT183-20L	1lt 5lt 10x1lt 20lt
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine and Sodium pyruvate w/o Calcium chloride and Sodium bicarbonate	AT235-5L AT235-10X1L AT235-20L	5lt 10x1lt 20lt
Dulbecco's Modified Eagle Medium (DMEM), Low glucose (Modified for Autoclaving) w/ 1gm Glucose per litre and Sodium pyruvate w/o L-Glutamine and Sodium bicarbonate	AT065A-1L AT065A-5L AT065A-10X1L AT065A-20L	1lt 5lt 10x1lt 20lt

Product	Code	Packing
Dulbecco's Modified Eagle Medium (DMEM), High glucose		
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, 25mM HEPES Buffer, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate and Phenol red	AT187-1L	1lt
	AT187-10X1L	10x1lt
	AT187-20L	20lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate	AT007-1L	1lt
	AT007-5L	5lt
	AT007-10X1L	10x1lt
	AT007-20L	20lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and Sodium pyruvate w/o L-Glutamine and Sodium bicarbonate	AT007A-1L	1lt
	AT007A-10X1L	10x1lt
	AT007A-20L	20lt
	AT007A-50L	50lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Folic acid and Sodium bicarbonate	AT007F-10X1L	10x1lt
	AT007F-20L	20lt
	AT007F-50L	50lt
Dulbecco's Modified Eagle Medium (DMEM), High Glucose w/ 4.5gms per litre Glucose, L-Glutamine and Sodium pyruvate w/o Phenol red, Folic acid and Sodium bicarbonate	AT262F-10X1L	10x1lt
	AT262F-20L	20lt
	AT262F-50L	50lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Calcium chloride and Sodium bicarbonate	AT219-1L	1lt
	AT219-5L	5lt
	AT219-10X1L	10x1lt
	AT219-20L	20lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate and Phenol red	AT190-1L	1lt
	AT190-5L	5lt
	AT190-10X1L	10x1lt
	AT190-20L	20lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and Sodium pyruvate w/o L-Glutamine, Sodium bicarbonate and Phenol red	AT190A-10X1L	10x1lt
	AT190A-20L	20lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium bicarbonate and Sodium pyruvate	AT066-1L	1lt
	AT066-5L	5lt
	AT066-10X1L	10x1lt
	AT066-20L	20lt
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre w/o L-Glutamine, Sodium bicarbonate and Sodium pyruvate	AT066A-1L	1lt
	AT066A-10X1L	10x1lt
	AT066A-20L	20lt

Product	Code	Packing	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate and Sodium pyruvate	AT067-1L	1lt	
	AT067-5L	5lt	
	AT067-10X1L	10x1lt	
	AT067-20L	20lt	
Dulbecco's Modified Eagle Medium (DMEM), High Glucose w/ 4.5gm Glucose per litre and 25mM HEPES buffer w/o L-Glutamine, Sodium bicarbonate and Sodium pyruvate	AT067A-10X1L	10x1lt	
	AT067A-20L	20lt	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium pyruvate, Sodium phosphate and Sodium bicarbonate	AT068-1L	1lt	
	AT068-5L	5lt	
	AT068-10X1L	10x1lt	
	AT068-20L	20lt	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ L-Glutamine, 4.5gms Glucose per litre, Sodium pyruvate and 25mM HEPES buffer w/o Sodium bicarbonate	AT151-1L	1lt	
	AT151-5L	5lt	
	AT151-10X1L	10x1lt	
	AT151-20L	20lt	
	AT151-50L	50lt	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and 25mM HEPES buffer w/o Phenol red and Sodium bicarbonate	AT241-10X1L	10x1lt	
	AT241-20L	20lt	
	AT241-50L	50lt	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre w/o L-Glutamine, Calcium chloride, HEPES buffer and Sodium pyruvate	AT287A-1L	1lt	
	AT287A-5L	5lt	
	AT287A-10X1L	10x1lt	
	AT287A-20L	20lt	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre w/o L-Glutamine, Calcium chloride, HEPES buffer, Sodium pyruvate and Sodium bicarbonate	AT287A-50L	50lt	
	AT293A-1L	1lt	
	AT293A-5L	5lt	
	AT293A-10X1L	10x1lt	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre w/o L-Glutamine, Calcium chloride, HEPES buffer, Sodium pyruvate and Sodium bicarbonate	AT293A-20L	20lt	
	AT293A-50L	50lt	
	DMEM / F12, 1:1 mixture		
	Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture) w/ L-Glutamine and Trace elements w/o HEPES buffer and Sodium bicarbonate	AT127-1L	1lt
AT127-10X1L		10x1lt	
AT127-20L		20lt	
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 Mixture) w/ L-Alanyl-L-Glutamine and Trace elements w/o HEPES buffer and Sodium bicarbonate	AT127G-5L	5lt	
	AT127G-10X1L	10x1lt	
	AT127G-20L	20lt	
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture) w/ L-Glutamine and Trace elements w/o Phenol red, Sodium bicarbonate and HEPES buffer	AT147-1L	1lt	
	AT147-10X1L	10x1lt	
	AT147-20L	20lt	

Product	Code	Packing
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture) w/ Trace elements w/o L-Glutamine, Phenol red, Sodium bicarbonate and HEPES buffer	AT147A-5L	5lt
	AT147A-10X1L	10x1lt
	AT147A-20L	20lt
Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture) w/ L-Glutamine, 15mM HEPES buffer and Trace elements w/o Sodium bicarbonate	AT139-1L	1lt
	AT139-5L	5lt
	AT139-10X1L	10x1lt
	AT139-20L	20lt
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture) w/ L-Glutamine and 15mM HEPES buffer w/o Trace elements and Sodium bicarbonate	AT140-5L	5lt
	AT140-10X1L	10x1lt
	AT140-20L	20lt
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture) w/ 15mM HEPES buffer w/o L-Glutamine, Trace elements and Sodium bicarbonate	AT140A-10X1L	10x1lt
	AT140A-20L	20lt
	AT140A-50L	50lt
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture) w/ L-Glutamine w/o HEPES buffer, Trace elements and Sodium bicarbonate	AT155-5L	5lt
	AT155-10X1L	10x1lt
	AT155-20L	20lt
Dulbecco's Modified Eagle Medium / Nutrient Mixture F12 Ham (DMEM/ F12 1:1 Mixture) w/ L-Glutamine w/o HEPES Buffer, Trace elements, Phenol red and Sodium bicarbonate	AT239-5L	5lt
	AT239-10X1L	10x1lt
	AT239-20L	20lt
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture) w/ 15mM HEPES buffer, Trace elements and L-Glutamine w/o Phenol red and Sodium bicarbonate	AT192-1L	1lt
	AT192-5L	5lt
	AT192-10X1L	10x1lt
	AT192-20L	20lt
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 Mixture) w/ L-Glutamine, 2mg/L Riboflavin and 55mg/L Sodium pyruvate w/o HEPES buffer, Trace elements, Pyridoxal hydrochloride and Sodium bicarbonate	AT243-5L	5lt
	AT243-10X1L	10x1lt
	AT243-20L	20lt
	AT243-50L	50lt
DMEM/ F12, 3:1 Mixture, High glucose		
Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 3:1 Mixture), High glucose w/ L-Glutamine w/o Calcium chloride, HEPES buffer and Sodium bicarbonate	AT189-1L	1lt
	AT189-5L	5lt
	AT189-10X1L	10x1lt
	AT189-20L	20lt

Product	Code	Packing
Fischer's Medium		
Fischer's Medium w/ L-Glutamine w/o Sodium bicarbonate	AT054-1L	1lt
	AT054-5L	5lt
	AT054-10X1L	10x1lt
	AT054-20L	20lt
Glasgow's Minimum Essential Medium, GMEM		
Glasgow's Minimum Essential Medium GMEM w/ L-Glutamine w/o Tryptose Phosphate broth and Sodium bicarbonate	AT102-5L	5lt
	AT102-10X1L	10x1lt
	AT102-20L	20lt
	AT102-50L	50lt
Glasgow's Minimum Essential Medium GMEM w/ L-Glutamine and NEAA w/o Sodium phosphate, Sodium bicarbonate and Tryptose Phosphate Broth	AT058-1L	1lt
	AT058-10X1L	10x1lt
	AT058-20L	20lt
Glasgow's Minimum Essential Medium GMEM w/ L-Glutamine and Tryptose Phosphate Broth w/o Sodium bicarbonate	AT069-5L	5lt
	AT069-10X1L	10x1lt
	AT069-20L	20lt
Tryptose Phosphate Broth		
Tryptose Phosphate Broth Cell Culture Grade (Store at 15-30°C)	AT811-100G	100gm
	AT811-500G	500gm
Iscove's Modified Dulbecco's Medium (IMDM)		
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine w/o HEPES buffer and Sodium bicarbonate	AT160-5L	5lt
	AT160-10X1L	10x1lt
	AT160-20L	20lt
Iscove's Modified Dulbecco's Medium (IMDM) w/o L-Glutamine, HEPES, Sodium bicarbonate and Phenol red	AT261A-1L	1lt
	AT261A-10X1L	10x1lt
	AT261A-20L	20lt
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT070-5L	5lt
	AT070-10X1L	10x1lt
	AT070-20L	20lt
	AT070-50L	50lt
Iscove's Modified Dulbecco's Medium (IMDM) w/ 25mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AT070A-1L	1lt
	AT070A-5L	5lt
	AT070A-10X1L	10x1lt
	AT070A-20L	20lt
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine and 25mM HEPES Buffer w/o Sodium bicarbonate and Phenol red	AT188-5L	5lt
	AT188-10X1L	10x1lt
	AT188-20L	20lt
Iscove's Modified Dulbecco's Medium (IMDM) w/ L-Glutamine and 25mM HEPES buffer w/o Glucose and Sodium bicarbonate	AT230-1L	1lt
	AT230-5L	5lt
	AT230-10X1L	10x1lt
	AT230-20L	20lt

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Product	Code	Packing
Leibovitz's L-15 Medium		
Leibovitz's L-15 Medium w/ L-Glutamine w/o Sodium bicarbonate	AT011-1L	1lt
	AT011-5L	5lt
	AT011-10X1L	10x1lt
	AT011-20L	20lt
Leibovitz's L-15 Medium w/o L-Glutamine and Sodium bicarbonate	AT011A-5L	5lt
	AT011A-10X1L	10x1lt
	AT011A-20L	20lt
Leibovitz's L-15 Medium w/ L-Glutamine w/o Sodium Pyruvate and Sodium bicarbonate	AT164-5L	5lt
	AT164-10X1L	10x1lt
	AT164-20L	20lt
Leibovitz's L-15 Medium w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT207-1L	1lt
	AT207-5L	5lt
	AT207-10X1L	10x1lt
	AT207-20L	20lt

McCoy's 5A Medium		
McCoy's 5A Medium w/ L-Glutamine w/o Sodium bicarbonate	AT057-1L	1lt
	AT057-5L	5lt
	AT057-10X1L	10x1lt
	AT057-20L	20lt
	AT057-50L	50lt
McCoy's 5A Medium w/o L-Glutamine and Sodium bicarbonate	AT057A-1L	1lt
	AT057A-5L	5lt
	AT057A-10X1L	10x1lt
	AT057A-20L	20lt
	AT057A-50L	50lt
McCoy's 5A Medium w/ L-Glutamine w/o Folic acid and Sodium bicarbonate	AT057F-1L	1lt
	AT057F-5L	5lt
	AT057F-10X1L	10x1lt
	AT057F-20L	20lt
McCoy's 5A Medium w/ L-Glutamine w/o Phenol red, Folic Acid and Sodium bicarbonate	AT179F-10X1L	10x1lt
	AT179F-20L	20lt

McCoy's 5A Medium (For Suspension Culture)		
McCoy's 5A Medium (For Suspension Culture) w/ L-Glutamine w/o Calcium chloride and Sodium bicarbonate	AT071-5L	5lt
	AT071-10X1L	10x1lt
	AT071-20L	20lt

MCDB Medium		
MCDB 105 Medium w/ Trace elements, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT131-5L	5lt
	AT131-10X1L	10x1lt
	AT131-20L	20lt
MCDB 110 Medium w/ Trace elements, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT132-5L	5lt
	AT132-10X1L	10x1lt
	AT132-20L	20lt

Product	Code	Packing
MCDB 131 Medium w/ Trace elements and L-Glutamine w/o Sodium bicarbonate	AT133-1L	1lt
	AT133-5L	5lt
	AT133-10X1L	10x1lt
	AT133-20L	20lt
MCDB 151 Medium w/ Trace elements, L-Glutamine and 28mM HEPES buffer w/o Sodium bicarbonate	AT134-1L	1lt
	AT134-5L	5lt
	AT134-10X1L	10x1lt
	AT134-20L	20lt
MCDB 153 Medium w/ Trace elements, L-Glutamine and 28mM HEPES buffer w/o Sodium bicarbonate	AT135-1L	1lt
	AT135-5L	5lt
	AT135-10X1L	10x1lt
	AT135-20L	20lt
MCDB 302 Medium w/ Trace elements and L-Glutamine w/o Nucleosides and Sodium bicarbonate	AT137-1L	1lt
	AT137-5L	5lt
	AT137-10X1L	10x1lt
	AT137-20L	20lt

Medium 199		
Medium 199 w/ Earle's salts and L-Glutamine w/o Sodium bicarbonate	AT014-1L	1lt
	AT014-5L	5lt
	AT014-10X1L	10x1lt
	AT014-20L	20lt
	AT014-50L	50lt
Medium 199 w/ Earle's salts w/o L-Glutamine and Sodium bicarbonate	AT014A-10X1L	10x1lt
	AT014A-20L	20lt
Medium 199 w/ Earle's Salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT094-1L	1lt
	AT094-10X1L	10x1lt
	AT094-20L	20lt
Medium 199 w/ Earle's Salts and 25mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AT094A-10X1L	10x1lt
	AT094A-20L	20lt

Medium 199 (For Suspension Culture)		
Medium 199 (For Suspension Culture) w/ Earle's salts and L-Glutamine w/o Calcium chloride, Magnesium sulphate and Sodium bicarbonate	AT043-1L	1lt
	AT043-10X1L	10x1lt
	AT043-20L	20lt

Minimum Essential Medium Eagle (MEM)		
Minimum Essential Medium Eagle (MEM) w/ Earle's salts and L-Glutamine w/o NEAA and Sodium bicarbonate	AT020-1L	1lt
	AT020-5L	5lt
	AT020-10X1L	10x1lt
	AT020-20L	20lt
	AT020-50L	50lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts and L-Alanyl-L-Glutamine w/o NEAA and Sodium bicarbonate	AT020G-5L	5lt
	AT020G-10X1L	10x1lt
	AT020G-20L	20lt
	AT020G-50L	50lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts w/o L-Glutamine, NEAA, Phenol red and Sodium bicarbonate	AT159A-5L	5lt
	AT159A-10X1L	10x1lt
	AT159A-20L	20lt

Product	Code	Packing
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA and L-Glutamine w/o Sodium bicarbonate	AT047-1L	1lt
	AT047-5L	5lt
	AT047-10X1L	10x1lt
	AT047-20L	20lt
	AT047-50L	50lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts and NEAA w/o L-Glutamine and Sodium bicarbonate	AT047A-1L	1lt
	AT047A-10X1L	10x1lt
	AT047A-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA and L-Glutamine w/o Phenol red and Sodium bicarbonate	AT046-1L	1lt
	AT046-5L	5lt
	AT046-10X1L	10x1lt
	AT046-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts and NEAA w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT046A-1L	1lt
	AT046A-10X1L	10x1lt
	AT046A-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT153-10X1L	10x1lt
	AT153-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salt, L-Glutamine, NEAA and Sodium pyruvate w/o Sodium bicarbonate	AT154-1L	1lt
	AT154-5L	5lt
	AT154-10X1L	10x1lt
	AT154-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT074-1L	1lt
	AT074-10X1L	10x1lt
	AT074-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, L-Glutamine, NEAA, Sodium pyruvate and 15mm HEPES buffer w/o Sodium bicarbonate	AT182-1L	1lt
	AT182-5L	5lt
	AT182-10X1L	10x1lt
	AT182-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts and L-Glutamine w/o Sodium bicarbonate	AT056-1L	1lt
	AT056-10X1L	10x1lt
	AT056-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts w/o L-Glutamine and Sodium bicarbonate	AT056A-5L	5lt
	AT056A-10X1L	10x1lt
	AT056A-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts, L-Glutamine and NEAA w/o Sodium bicarbonate	AT048-5L	5lt
	AT048-10X1L	10x1lt
	AT048-20L	20lt
Minimum Essential Medium Eagle (MEM) w/ Hanks' salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT075-1L	1lt
	AT075-10X1L	10x1lt
	AT075-20L	20lt

Product	Code	Packing
Minimum Essential Medium Eagle (MEM) (Modified for Autoclaving) w/ Earle's salts and NEAA w/o L-Glutamine and Sodium bicarbonate	AT017A-1L	1lt
	AT017A-5L	5lt
	AT017A-10X1L	10x1lt
	AT017A-20L	20lt
Minimum Essential Medium Eagle (MEM) (Modified for Autoclaving) w/ Earle's salts w/o L-Glutamine, NEAA and Sodium bicarbonate	AT077A-10X1L	10x1lt
	AT077A-20L	20lt
Minimum Essential Medium Eagle (For Suspension Culture)		
Minimum Essential Medium Eagle (MEM) (For Suspension Culture) w/ Earle's salts, L-Glutamine and NEAA w/o Calcium chloride, Magnesium sulfate and Sodium bicarbonate	AT238-5L	5lt
	AT238-10X1L	10x1lt
	AT238-20L	20lt
Minimum Essential Medium Eagle (Joklik Modification)		
Minimum Essential Medium Eagle (MEM) (Joklik Modification) (For Suspension Culture) w/ L-Glutamine w/o Calcium chloride and Sodium bicarbonate	AT079-5L	5lt
	AT079-10X1L	10x1lt
	AT079-20L	20lt
Minimum Essential Medium Eagle (Alpha Modification)		
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L-Glutamine, Ribonucleosides and Deoxyribonucleosides w/o Sodium bicarbonate	AT080-1L	1lt
	AT080-5L	5lt
	AT080-10X1L	10x1lt
	AT080-20L	20lt
	AT080-50L	50lt
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ Ribonucleosides and Deoxyribonucleosides w/o L-Glutamine and Sodium bicarbonate	AT080A-5L	5lt
	AT080A-10X1L	10x1lt
	AT080A-20L	20lt
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L-Glutamine, Ribonucleosides and Deoxyribonucleosides w/o Sodium bicarbonate and Phenol red	AT253-5L	5lt
	AT253-10X1L	10x1lt
	AT253-20L	20lt
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ Deoxyribonucleosides, Ribonucleosides and L-Glutamine w/o Ascorbic acid and Sodium bicarbonate	AT221-10X1L	10x1lt
	AT221-20L	20lt
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L-Glutamine w/o Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate	AT081-1L	1lt
	AT081-5L	5lt
	AT081-10X1L	10x1lt
	AT081-20L	20lt
	AT081-50L	50lt
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/o L-Glutamine, Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate	AT081A-5L	5lt
	AT081A-10X1L	10x1lt
	AT081A-20L	20lt
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L-Glutamine w/o Sodium pyruvate, Ribonucleosides and deoxyribonucleosides	AT285-1L	1lt
	AT285-5L	5lt
	AT285-10X1L	10x1lt
	AT285-20L	20lt

ACC

Product	Code	Packing
Minimum Essential Medium Eagle (MEM) (Alpha Modification) w/ L-Glutamine w/o Deoxyribose nucleosides, Ribonucleosides, Phenol red and sodium bicarbonate	New AT300-1L	1lt
	AT300-5L	5lt
	AT300-10X1L	10x1lt
	AT300-20L	20lt
MEM / F12 1:1 Mixture		
◆ Minimum Essential Medium Eagle / Nutrient Mixture F-12 Ham (MEM / F12 1:1 Mixture) w/ 15mM HEPES buffer, 2.5mM L-Glutamine w/o Sodium bicarbonate	AT237-10X1L	10x1lt
	AT237-20L	20lt
NCTC 109 Medium		
NCTC 109 Medium w/ L-Glutamine w/o Sodium bicarbonate	AT138-1L	1lt
	AT138-5L	5lt
	AT138-10X1L	10x1lt
	AT138-20L	20lt
NCTC 109 Medium w/o L-Glutamine and Sodium bicarbonate	AT138A-1L	1lt
	AT138A-5L	5lt
	AT138A-10X1L	10x1lt
	AT138A-20L	20lt
Nutrient Mixture F-10 Ham		
Nutrient Mixture F-10 Ham w/ L-Glutamine w/o Sodium bicarbonate	AT024-1L	1lt
	AT024-5L	5lt
	AT024-10X1L	10x1lt
	AT024-20L	20lt
	AT024-50L	50lt
Nutrient Mixture F-10 Ham w/o L-Glutamine and Sodium bicarbonate	AT024A-10X1L	10x1lt
	AT024A-20L	20lt
	AT024A-50L	50lt
Nutrient Mixture F-10 Ham w/ L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT083-5L	5lt
	AT083-10X1L	10x1lt
	AT083-20L	20lt
Nutrient Mixture F-10 Ham w/ 20mM HEPES buffer and L-Glutamine w/o Sodium bicarbonate	AT184-1L	1lt
	AT184-5L	5lt
	AT184-10X1L	10x1lt
	AT184-20L	20lt
Nutrient Mixture F-12 Ham		
Nutrient Mixture F-12 Ham w/ L-Glutamine w/o Sodium bicarbonate	AT025-1L	1lt
	AT025-5L	5lt
	AT025-10X1L	10x1lt
	AT025-20L	20lt
	AT025-50L	50lt
Nutrient Mixture F-12 Ham w/o L-Glutamine and Sodium bicarbonate	AT025A-5L	5lt
	AT025A-10X1L	10x1lt
	AT025A-20L	20lt
	AT025A-50L	50lt
Nutrient Mixture F-12 Ham w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT144-1L	1lt
	AT144-5L	5lt
	AT144-10X1L	10x1lt
	AT144-20L	20lt

Product	Code	Packing
Nutrient Mixture F-12 Ham w/ L-Glutamine w/o Folic acid, Phenol red and Sodium bicarbonate	AT095-1L	1lt
	AT095-5L	5lt
	AT095-10X1L	10x1lt
	AT095-20L	20lt
Nutrient Mixture F-12 Ham w/o Folic acid, L-Glutamine, Phenol red and Sodium bicarbonate	AT119A-5L	5lt
	AT119A-10X1L	10x1lt
	AT119A-20L	20lt
Nutrient Mixture F-12 Ham w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT144A-1L	1lt
	AT144A-5L	5lt
	AT144A-10X1L	10x1lt
	AT144A-20L	20lt
Nutrient Mixture F-12 Ham w/ 10mM HEPES buffer and L-Glutamine w/o Sodium bicarbonate and Phenol red	AT290-1L	1lt
	AT290-5L	5lt
	AT290-10X1L	10x1lt
	AT290-20L	20lt
Nutrient Mixture F-12 Ham, Kaighn's Modification		
Nutrient Mixture F-12 Ham, Kaighn's Modification w/ L-Glutamine w/o Sodium bicarbonate	AT106-1L	1lt
	AT106-5L	5lt
	AT106-10X1L	10x1lt
	AT106-20L	20lt
Nutrient Mixture F-12 Ham, Kaighn's Modification w/o L-Glutamine and Sodium bicarbonate	AT106A-10X1L	10x1lt
	AT106A-20L	20lt
Nutrient Mixture F-12 Ham, Coon's Modification		
Nutrient Mixture F-12 Ham, Coon's Modification w/ L-Glutamine w/o Sodium bicarbonate	AT146-1L	1lt
	AT146-5L	5lt
	AT146-10X1L	10x1lt
	AT146-20L	20lt
Nutrient Mixture F-12 Ham, Coon's Modification w/o L-Glutamine and Sodium bicarbonate	AT146A-1L	1lt
	AT146A-5L	5lt
	AT146A-10X1L	10x1lt
	AT146A-20L	20lt
RPMI-1640		
RPMI-1640 w/ L-Glutamine w/o Glucose and Sodium bicarbonate	AT150-1L	1lt
	AT150-5L	5lt
	AT150-10X1L	10x1lt
	AT150-20L	20lt
RPMI-1640 w/ L-Glutamine w/o Sodium bicarbonate	AT028-1L	1lt
	AT028-5L	5lt
	AT028-10X1L	10x1lt
	AT028-20L	20lt
	AT028-50L	50lt
RPMI-1640 w/o L-Glutamine and Sodium bicarbonate	AT028A-1L	1lt
	AT028A-5L	5lt
	AT028A-10X1L	10x1lt
	AT028A-20L	20lt
	AT028A-50L	50lt
RPMI-1640 w/ L-Glutamine w/o Folic acid and Sodium bicarbonate	AT028F-1L	1lt
	AT028F-10X1L	10x1lt
	AT028F-20L	20lt

398 50L bulk packing available for powder media
All the above products to be stored at 2- 8°C.

◆ Composition equivalent to HC-04 Culture Medium

Product	Code	Packing
RPMI-1640 w/o Folic acid, L-Glutamine and Sodium bicarbonate	AT161A-1L	1lt
	AT161A-10X1L	10x1lt
	AT161A-20L	20lt
RPMI-1640 w/ Sodium pyruvate w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT229A-1L	1lt
	AT229A-10X1L	10x1lt
	AT229A-20L	20lt
RPMI-1640 w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT112A-1L	1lt
	AT112A-10X1L	10x1lt
	AT112A-20L	20lt
RPMI-1640 w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT120-1L	1lt
	AT120-5L	5lt
	AT120-10X1L	10x1lt
	AT120-20L	20lt
	AT120-50L	50lt
RPMI-1640 w/ L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT060-1L	1lt
	AT060-5L	5lt
	AT060-10X1L	10x1lt
	AT060-20L	20lt
	AT060-50L	50lt
RPMI-1640 w/ 25mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AT060A-1L	1lt
	AT060A-10X1L	10x1lt
	AT060A-20L	20lt
RPMI- 1640 w/ 25mM HEPES buffer and Sodium pyruvate w/o L-Glutamine and Sodium bicarbonate	AT157A-1L	1lt
	AT157A-5L	5lt
	AT157A-10X1L	10x1lt
	AT157A-20L	20lt
RPMI-1640 w/ 25mM HEPES buffer w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT113A-1L	1lt
	AT113A-10X1L	10x1lt
	AT113A-20L	20lt
RPMI- 1640 w/ L-Glutamine, Sodium pyruvate, 4.5gms Glucose per litre and 10mM HEPES buffer w/o Sodium bicarbonate	AT162-1L	1lt
	AT162-5L	5lt
	AT162-10X1L	10x1lt
	AT162-20L	20lt
	AT162-50L	50lt
RPMI- 1640 w/ 2mM L-Glutamine, 1mM Sodium pyruvate, 4.5gms Glucose per litre and 10mM HEPES buffer w/o Phenol red and Sodium bicarbonate	AT171-1L	1lt
	AT171-10X1L	10x1lt
	AT171-20L	20lt
RPMI-1640 w/ L-Glutamine, Phenol red, 0.2% Glucose and 0.165 moles per litre MOPS buffer w/o Sodium bicarbonate	AT180-1L	1lt
	AT180-5L	5lt
	AT180-10X1L	10x1lt
	AT180-20L	20lt
RPMI-1640 (Modified for Autoclaving) w/o L-Glutamine and Sodium bicarbonate	AT126A-1L	1lt
	AT126A-5L	5lt
	AT126A-10X1L	10x1lt
	AT126A-20L	20lt

Product	Code	Packing
SFRE Medium 199-1		
SFRE Medium 199-1 w/ Hanks' salts, L-Glutamine, Galactose and Glucose w/o Sodium bicarbonate and Insulin	AT089-1L	1lt
	AT089-5L	5lt
	AT089-10X1L	10x1lt
	AT089-20L	20lt
SFRE Medium 199-2 w/ Earle's salts, L-Glutamine, Galactose and Glucose w/o Sodium bicarbonate and Insulin	AT090-5L	5lt
	AT090-10X1L	10x1lt
	AT090-20L	20lt
Swim's S-77 Medium		
Swim's S-77 Medium w/ L-Glutamine w/o Streptomycin sulphate, Phenol red and Sodium bicarbonate	AT124-5L	5lt
	AT124-10X1L	10x1lt
	AT124-20L	20lt
Waymouth Medium MB 752/1		
Waymouth Medium MB 752/1 w/ L-Glutamine w/o Sodium bicarbonate	AT091-5L	5lt
	AT091-10X1L	10x1lt
	AT091-20L	20lt
William's Medium E		
William's Medium E w/ L-Glutamine w/o Sodium bicarbonate	AT125-1L	1lt
	AT125-10X1L	10x1lt
	AT125-20L	20lt
Dropout Media		
Dropout Media Cell Culture Media without specific components such as salts (Ca, Mg, etc.), amino acids and other nutrients are available upon request. Phenol red free formulations of all media are available.		

Product

Code

Packing

Insect Media (Liquid)

Grace's Insect Medium w/ Sodium bicarbonate w/o L-Glutamine	IML001-500ML	500ml 2x500ml 6x500ml 20x500ml
Grace's Insect Medium w/ L-Glutamine and Sodium bicarbonate	IML001A-500ML	500ml 2x500ml 6x500ml 20x500ml
Mitsuhashi and Maramorosch Insect Medium w/ Sodium bicarbonate (Store at 15-30°C)	IML002-500ML	500ml 2x500ml 6x500ml
Schneider's Insect Medium w/ Calcium chloride and Sodium bicarbonate w/o L-Glutamine	IML003-500ML	500ml 2x500ml 6x500ml 20x500ml
Schneider's Insect Medium w/ Calcium chloride, L-Glutamine and Sodium bicarbonate	IML003A-500ML	500ml 2x500ml 6x500ml
TC-100 Insect Medium w/ Sodium bicarbonate w/o L-Glutamine	IML007-500ML	500ml 2x500ml 6x500ml 20x500ml
TNM-FH Insect Medium w/ Lactalbumin hydrolysate, Yeast extract and Sodium bicarbonate w/o L-Glutamine	IML008-500ML	500ml 2x500ml 6x500ml 20x500ml
TNM-FH Insect Medium w/ Lactalbumin hydrolysate, Yeast extract, L-Glutamine and Sodium bicarbonate	IML008A-500ML	500ml 2x500ml 6x500ml 20x500ml

Product

Code

Packing

Insect Media (Powder)

Grace's Insect Medium w/ L-Glutamine w/o Sodium bicarbonate	IM001-1L IM001-10L IM001-10X1L	1lt 10lt 10x1lt
Mitsuhashi and Maramorosch Insect Medium w/o Sodium bicarbonate (Store at 15-30°C)	IM002-1L IM002-10L IM002-10X1L	1lt 10lt 10x1lt
Schneider's Insect Medium w/ L-Glutamine w/o Calcium chloride and Sodium bicarbonate	IM003-1L IM003-10L IM003-10X1L	1lt 10lt 10x1lt
Sheilds and Sang M3 Insect Medium w/ L-Glutamine w/o Potassium bicarbonate	IM004-1L IM004-10L IM004-10X1L	1lt 10lt 10x1lt
TC-100 Insect Medium w/ L-Glutamine w/o Sodium bicarbonate	IM007-1L IM007-10L IM007-10X1L	1lt 10lt 10x1lt
TNM-FH Insect Medium Grace's Medium Supplemented w/ L-Glutamine, Lactalbumin hydrolysate and Yeast extract w/o Sodium bicarbonate	IM008-1L IM008-10L IM008-10X1L	1lt 10lt 10x1lt

Insect Diets

Drosophila Diet (Store at 15-30°C)	ID001-1L ID001-5L	1lt 5lt
Vanderzant Vitamin Mixture Animal Component Free (Store at 15-30°C)	ID003-100G ID003-1KG	100gm 1kg
Wesson's Salt Mixture Insect Cell Culture Tested (Store at 15-30°C)	TS1100-500G TS1100-2KG TS1100-10KG	500gm 2kg 10kg

HiSep™ Density Gradient Separation Media



Very low Endotoxin level <0.3 EU/ml
Manufactured in GMP, ISO 13485 and ISO 9001 certified facility
CE Marked for IVD (98/79/EC)

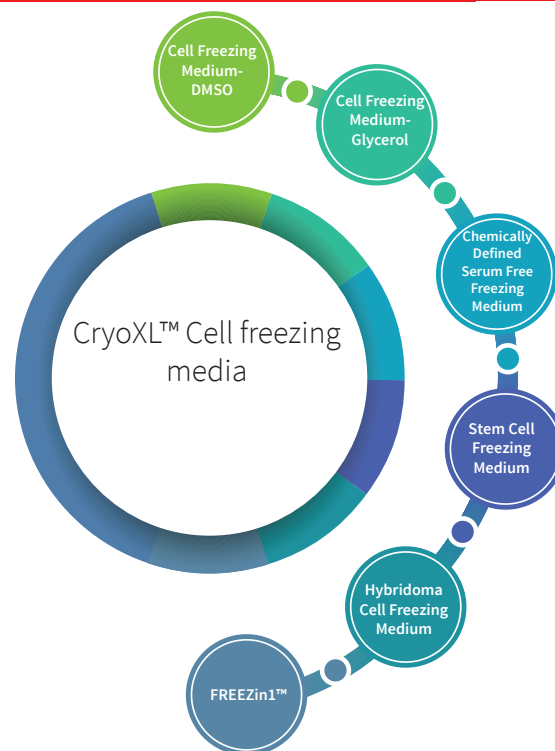
Product	Code	Packing
HiSep™ LSM 1077 Density: 1.077 + 0.0010 g/ml. Recovery: viable human mononuclear cells (Lymphocytes and monocytes). Equivalent to: Ficoll- Paque™ Plus and Histopaque® 1077.	LS001-100ML	100ml
	LS001-500ML	500ml 6X100ml 6X500ml 12X500ml
HiSep™ LSM 1073 Density: 1.073 + 0.0010 g/ml. Recovery: lower density human mononuclear cells (eg- mesenchymal stromal cells or monocytes). Equivalent to: Ficoll- Paque PREMIUM 1.073.	LS002-100ML	100ml
	LS002-500ML	500ml 6X100ml 6X500ml 12X500ml
HiSep™ LSM 1084 Density: 1.084 + 0.0010 g/ml. Recovery: large number of viable mononuclear cells from chicken, rats, mice and other mammals. Equivalent to: Ficoll- Paque PREMIUM 1.084 and Histopaque® 1083.	LS003-100ML	100ml
	LS003-500ML	500ml 6X100ml 6X500ml 12X500ml
GranuloSep™ GSM 1119 Density: 1.119 + 0.0010 g/ml. Recovery: When combined with HiSep™ LSM 1077, it permits separation of mononuclear cells and granulocytes . Equivalent to: Histopaque® 1119.	LS004-100ML	100ml
	LS004-500ML	500ml 6X100ml 6X500ml
Ficoll 400-20% A 0.2 micron filtered, non-ionic synthetic polymer of sucrose. It is used in electrophoresis, as a hapten carrier and most commonly used to prepare density gradients.	LS005-25ML	25ml
	LS005-50ML	50ml

Code	Product Name	Density	Cell type separated	Species	Tissue Types
LS001-100ML LS001-500ML	HiSep™ LSM 1077	1.077 g/ml	Mononuclear cells (Lymphocytes and monocytes)	Human	Blood
LS002-100ML LS002-500ML	HiSep™ LSM 1073	1.073 g/ml	Lower density human mononuclear cells (eg- mesenchymal stromal cells or monocytes).	Human	Peripheral blood
LS003-100ML LS003-500ML	HiSep™ LSM 1084	1.084 g/ml	Mononuclear cells of higher density	Chicken, Rats, Mice and other Mammals.	Peripheral blood
LS004-100ML LS004-500ML	GranuloSep™ GSM 1119	1.119 g/ml	Mononuclear cells and granulocytes	Human	Peripheral blood
LS005-25ML LS005-50ML LS005-500ML	Ficoll 400-20%	Ficoll 400-20%	Commonly used to prepare density gradients	-	-

Cryo XL™ Series of Cell Freezing Media

One solution for freezing Cell lines, Primary and Stem cells and Serum free cells

FREEZin1™



Product

Code

Packing

Freezing media for regular and sensitive cell lines

CryoXL™ Cell Freezing Medium-DMSO, 1X w/ FBS and DMSO w/o Antibiotics Sterile filtered	TCL043-50ML	50ml
CryoXL™ Cell Freezing Medium-DMSO, 1X w/ FBS and DMSO w/o Antibiotics Sterile filtered This medium contains high concentration of FBS and can be used for freezing of sensitive cell lines.	TCL093-50ML	50ml
CryoXL™ Cell Freezing Medium-DMSO, 1X w/ FBS and DMSO w/o Antibiotics and Phenol red Sterile filtered	TCL056-50ML	50ml
CryoXL™ Cell Freezing Medium-Glycerol, 1X w/ FBS and Glycerol w/o Antibiotics Sterile filtered	TCL044-50ML	50ml
CryoXL™ Cell Freezing Medium-Glycerol, 1X w/ FBS and Glycerol w/o Antibiotics and Phenol red Sterile filtered	TCL078-50ML	50ml

Product

Code

Packing

Animal origin-free and serum-free cell freezing media

FREEZin1™ w/ DMSO w/o Antibiotics, Antimycotics and Phenol red Sterile filtered	TCL098-50ML	50ml
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Stem cell freezing media

CryoXL™ Stem Cell Freezing Medium w/ FBS and DMSO w/o Antibiotics Sterile filtered	TCL107-50ML	50ml
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Hybridoma cell freezing media

CryoXL™ Hybridoma Cell Freezing Medium, DMSO, 1X w/ FBS and DMSO w/o Antibiotics This medium is optimized for cryopreservation of hybridoma cells	TCL123-50ML	50ml
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Cell Culture Reagents

Product	Code	Packing	Product	Code	Packing
Antibiotic Solutions			Gentamicin L-Glutamine Solution w/ 200mM L-Glutamine and 5 mg/ml Gentamicin in 0.9% normal saline	A006-20ML	5x20ml
Amphotericin B Solution 250µg/ml Cell Culture Tested	A011-20ML	5x20ml	Gentamicin Solution # w/ 10mg/ml Gentamicin sulfate in sterile tissue culture grade water	A010-20ML A010-100ML	20ml 5x20ml 100ml
Ampicillin solution w/ 10mg/ml Ampicillin sodium salt in sterile tissue culture grade water	A022-20ML	20ml 5x20ml	Gentamicin-Amphotericin B Solution 1000X w/ 30mg/ml Gentamicin and 25µg/ml Amphotericin B in sterile tissue culture grade water	A031-20ML	20ml 5x20ml
Ampicillin Solution w/ 100mg/ml Ampicillin sodium salt in sterile tissue culture grade water	A023-20ML	20ml	Hygromycin B Solution # w/ 50 mg/ml Hygromycin B in sterile tissue culture grade water	A015-20ML	20ml 5x20ml
Antibiotic Solution 100X Liquid w/ 10,000 U Penicillin and 10mg Streptomycin per ml in 0.9% normal saline	A001-50ML A001-100ML	50ml 5x50ml 100ml 5x100ml	Kanamycin Solution # w/ 10 mg/ml Kanamycin in 0.9% normal saline	A008-20ML	20ml 5x20ml
Antibiotic Solution 100X Liquid, Endotoxin tested w/ 10,000 U Penicillin and 10mg Streptomycin per ml in 0.9% normal saline	A001A-50ML A001A-100ML	50ml 5x50ml 100ml 5x100ml	Kanamycin Solution # w/ 50 mg/ml Kanamycin in 0.9% normal saline	A009-20ML	20ml 5x20ml
Antibiotic Solution 100X Liquid w/ 10,000U Penicillin and 10 mg Streptomycin per ml in citrate buffer	A014-50ML A014-100ML	5x50ml 5x100ml	Neomycin sulphate Solution # w/ 10 mg/ml Neomycin in 0.9% normal saline	A024-20ML	20ml 5x20ml
Antibiotic Solution 100X Liquid w/ 10,000U Penicillin, 5mg Streptomycin per ml in 0.9% normal saline	A018-50ML A018-100ML	5x50ml 5x100ml	Nystatin Suspension w/ 10,000units Nystatin per ml in Dulbecco's Phosphate Buffered Saline	A012-20ML A012-50ML	5x20ml 5x50ml
Antibiotic Antimycotic Solution 100X Liquid w/10,000 U Penicillin, 10mg Streptomycin and 25 µg Amphotericin B per ml in 0.9% normal saline	A002-20ML A002-50ML A002-100ML	20ml 5x20ml 5x50ml 100ml 5x100ml	Polymyxin B Solution # w/ 50mg/ml Polymyxin B in sterile tissue culture grade water Suitable for vaccine production	A027-20ML	5x20ml
Antibiotic Antimycotic Solution 100X Liquid, Endotoxin tested w/10,000 U Penicillin, 10mg Streptomycin and 25 µg Amphotericin B per ml in 0.9% normal saline	A002A-20ML A002A-50ML A002A-100ML	20ml 5x20ml 5x50ml 100ml 5x100ml	L-Glutamine-Penicillin-Streptomycin Solution w/ 200mM L-Glutamine, 10,000 units/ml Penicillin and 10 mg/ml Streptomycin in 0.9% normal saline	A007-20ML A007-100ML	5x20ml 5x100ml
Antibiotic Solution 50X Liquid w/ 5,000 U Penicillin and 5 mg/ml Streptomycin in 0.9% normal saline	A003-50ML	50ml 5x50ml	Penicillin-Streptomycin-Neomycin Solution w/ 5000 units Penicillin, 5mg Streptomycin and 10mg Neomycin per ml in Citrate buffer	A028-20ML	5x20ml
Carbenicillin Solution 100mg/ml w/ 100 mg/ml Carbenicillin in sterile tissue culture grade water	A019-20ML	20ml 5x20ml	Penicillin Streptomycin Powder # w/ 5000 units Penicillin and 5 mg Streptomycin per ml in 0.9% normal saline when reconstituted with sterile tissue culture grade water to indicated volume	A004-50ML A004-100ML	5x50ml 5x100ml
Ciprofloxacin 2% Solution, 5X # w/ 2% Ciprofloxacin in sterile tissue culture grade water	A032-100ML	100ml	Puromycin dihydrochloride Solution # w/ 10mg/ml Puromycin dichrochloride in Cell Culture grade water	A038-20ML	20ml 5x20ml
Geneticin Solution (G418 Solution) w/ 50 mg/ml Geneticin in sterile tissue culture grade water	A016-20ML	20ml 5x20ml			
Gentamicin Solution # w/ 50 mg/ml Gentamicin in sterile tissue culture grade water	A005-20ML A005-100ML	20ml 1x100ml			

ACC

Product

Code

Packing

Balanced Salts



Balanced Salt Solutions (Liquid)

Dulbecco's Phosphate Buffered Saline 1X w/o Phenol red, Calcium and Magnesium	TL1006-100ML	5x100ml
	TL1006-500ML	500ml 2x500ml 6x500ml 20x500ml
	TL1006-1000ML	1000ml
Dulbecco's Phosphate Buffered Saline 1X w/ Calcium and Magnesium w/o Phenol red	TL1023-100ML	5x100ml
	TL1023-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Phosphate Buffered Saline 1X w/ 1000mg/L D-Glucose, 36mg Sodium pyruvate per litre, Calcium and Magnesium w/o Phenol red	TL1106-100ML	5x100ml
	TL1106-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Phosphate Buffered Saline 10X w/o Phenol red, Calcium and Magnesium	TL1022-100ML	5x100ml
	TL1022-500ML	500ml 2x500ml 6x500ml 20x500ml
Dulbecco's Phosphate Buffered Saline with Gentamicin # w/ 120 µg/ml Gentamicin sulphate w/o Calcium, Magnesium and Phenol red contains 20ml DPBS in 50ml self-standing centrifuge tube	TL1145-20ML	50x20ml
Earle's Balanced Salt Solution 1X w/ Phenol red and sodium bicarbonate	TL1002-500ML	500ml 2x500ml 6x500ml 20x500ml

Product

Code

Packing

Earle's Balanced Salt Solution 1X w/ Sodium bicarbonate and Phenol red w/o Calcium and Magnesium	TL1110-100ML	5x100ml
	TL1110-500ML	500ml 2x500ml 6x500ml 20x500ml
Earle's Balanced Salt Solution 1X w/ Sodim bicarbonate w/o Calcium, Magnesium and Phenol red	TL1107-100ML	5x100ml
	TL1107-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 1X w/ Phenol red and Sodium bicarbonate w/o Calcium	TL1024-500ML	500ml 2x500ml 6x500ml 20x500ml
	TL1003-100ML	5x100ml
	TL1003-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 1X w/ Sodium bicarbonate w/o Phenol red	TL1010-100ML	5x100ml
	TL1010-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 1X w/ 10mM HEPES and Sodium bicarbonate w/o Phenol red, Calcium and Magnesium	TL1151-500ML	500ml 2x500ml 6x500ml 20x500ml
	TL1019-100ML	5x100ml
	TL1019-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 1X w/ Phenol red w/o Calcium, Magnesium sulphate and Sodium bicarbonate	TL1108-100ML	5x100ml
	TL1108-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 10X w/ Calcium and Magnesium w/o Sodium bicarbonate and Phenol red	TL1109-100ML	5x100ml
	TL1109-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 10X w/ Phenol red w/o Sodium bicarbonate	TL1021-500ML	500ml 2x500ml 6x500ml 20x500ml
	TL1122-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Hanks' Balanced Salt Solution 1X w/ Sodium bicarbonate w/o Calcium, Magnesium and Phenol red	TL1098-500ML	500ml 2x500ml 6x500ml 20x500ml
Hanks' Balanced Salt Solution 1X w/ Calcium and Magnesium w/o Sodium bicarbonate and Phenol red	TL1155-100ML TL1155-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Krebs - Ringer Biocarbonate Buffer 1X w/ 1.8gms Glucose per litre and Sodium bicarbonate w/o Calcium chloride	TL1097-500ML	500ml 2x500ml 6x500ml 20x500ml
Krebs - Ringer Biocarbonate Buffer 1X w/ Calcium chloride, HEPES buffer, 0.2% Bovine Serum Albumin and Sodium bicarbonate w/o Glucose	TL1143-500ML	500ml 2x500ml 6x500ml 20x500ml
Krebs - Ringer Phosphate HEPES Buffer pH 7.4 w/ 20mM HEPES buffer, Calcium and Magnesium w/o Phenol red	TL1152-500ML	500ml 2x500ml 6x500ml 20x500ml
Phosphate Buffered Saline, pH 7.2 1X	TL1031-500ML	500ml 2x500ml 6x500ml 20x500ml
Phosphate Buffered Saline, pH 7.2 10X	TL1032-100ML TL1032-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Phosphate Buffered Saline, pH 7.2 20X	TL1033-100ML TL1033-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Phosphate Buffered Saline, pH 7.4 1X	TL1101-100ML TL1101-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Phosphate Buffered Saline, pH 7.4 10X	TL1099-100ML TL1099-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Phosphate Buffered Saline, pH 7.4 1X w/ Phenol red	TL1126-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Potassium Phosphate Buffer, pH 6.8 (1X)	TL1153-100ML TL1153-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Sodium Phosphate Buffered Saline 1X	TL1104-500ML	500ml 2x500ml 6x500ml 20x500ml
Spinner Balanced Salts, Eagle 1X w/ Phenol red and Sodium bicarbonate w/o Calcium chloride	TL1011-100ML TL1011-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Balanced Salts (Powder)		
Dulbecco's Phosphate Buffered Saline w/ Calcium and Magnesium w/o Phenol red	TS1119-1L TS1119-5L TS1119-10X1L TS1119-20L	1lt 5lt 10x1lt 20lt
Dulbecco's Phosphate Buffered Saline w/o Calcium, Magnesium and Phenol red	TS1006-1L TS1006-5L TS1006-10X1L TS1006-20L TS1006-50L	1lt 5lt 10x1lt 20lt 50lt
Hanks' Balanced Salts w/ Phenol red w/o Sodium bicarbonate	TS1003-1L TS1003-5L TS1003-10X1L TS1003-20L TS1003-50L	1lt 5lt 10x1lt 20lt 50lt
Hanks' Balanced Salts w/o Phenol red and Sodium bicarbonate	TS1010-1L TS1010-5L TS1010-10X1L TS1010-20L TS1010-50L	1lt 5lt 10x1lt 20lt 50lt
Hanks' Balanced Salts w/ Phenol red w/o Calcium, Magnesium and Sodium bicarbonate	TS1033-1L TS1033-5L TS1033-10X1L TS1033-20L	1lt 5lt 10x1lt 20lt
Hanks' Balanced Salts w/ Phenol red w/o Calcium and Sodium bicarbonate	TS1020-1L TS1020-5L TS1020-10X1L TS1020-20L	1lt 5lt 10x1lt 20lt
Hanks' Balanced Salts w/o Calcium, Magnesium, Phenol red and Sodium bicarbonate	TS1098-1L TS1098-5L TS1098-10X1L TS1098-20L	1lt 5lt 10x1lt 20lt
Krebs-Ringer Bicarbonate Buffer w/ 1.8 gms Glucose per litre w/o Phenol red, Calcium chloride and Sodium bicarbonate	TS1097-1L TS1097-5L TS1097-10X1L TS1097-20L	1lt 5lt 10x1lt 20lt

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Product	Code	Packing
Krebs-Ringer Phosphate HEPES Buffer w/ 20mM HEPES buffer, Calcium and Magnesium w/o Phenol red	TS1152-1L	1lt
	TS1152-5L	5lt
	TS1152-10X1L	10x1lt
	TS1152-20L	20lt
Krebs-Henseleit Buffer w/ 2gms Glucose per litre w/o Calcium chloride and Sodium bicarbonate	TS1148-1L	1lt
	TS1148-5L	5lt
	TS1148-10X1L	10x1lt
	TS1148-20L	20lt
Phosphate Buffered Saline, pH 7.2	TS1099-1L	1lt
	TS1099-5L	5lt
	TS1099-10X1L	10x1lt
	TS1099-20L	20lt
	TS1099-50L	50lt
Phosphate Buffered Saline, pH 7.4 w/ 1% Bovine Serum Albumin	TS1120-1L	1lt
	TS1120-5L	5lt
	TS1120-10X1L	10x1lt
	TS1120-20L	20lt

Product	Code	Packing
Phosphate Buffered Saline, pH 7.4	TS1101-1L	1lt
	TS1101-5L	5lt
	TS1101-10X1L	10x1lt
	TS1101-20L	20lt
	TS1101-50L	50lt
Phosphate Buffered Saline, pH 7.4 w/ 1 gm/ litre Glucose and Phenol red w/o Calcium, Magnesium and Sodium bicarbonate	TS1150-1L	1lt
	TS1150-5L	5lt
	TS1150-10X1L	10x1lt
	TS1150-20L	20lt
Spinner Salts, Eagle w/ Phenol red w/o Calcium chloride and Sodium bicarbonate	TS1011-1L	1lt
	TS1011-5L	5lt
	TS1011-10X1L	10x1lt
	TS1011-20L	20lt

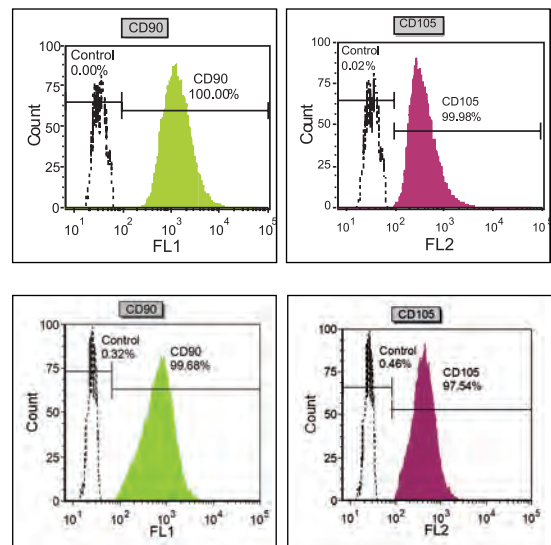
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FREEZin1™ Universal Freezing Medium - TCL098

A xeno-free, serum-free cryopreservation medium for MSCs



- High recovery rates
- More than 90% post-revival viability
- Optimized for MSCs cultured in STEMIn1™
- Maintains trilineage differentiation potential
- Ready-to-use



Refer page no 402 and 428

Cell Dissociation Reagents

Animal Origin Free


EnVzyme™ • RecombIN™ • ZymeFree™



TSE- BSE Risk Eliminated

Regulatory concerns minimized

Product	Code	Packing
RecombIN™		



- Alternative for bovine/ porcine trypsin
- Compatible with serum free and serum supplemented cultures

RecombIN™ Recombinant Trypsin Source : Ecoli	TCL162-100ML	100ml
	TCL162-500ML	500ml

ZymeFree™		
ZymeFree™ Enzyme Free Cell Dissociation Reagent # in Dulbecco's Phosphate Buffered Saline 1X	TCL028-100ML	100ml
	TCL028-500ML	5x100ml 2x500ml

Product	Code	Packing
EnVzyme™		

- Vegetable origin cell dissociation reagent
- Milder than trypsin and gentle on cells
- Trypsin inhibitor not required
- Retains cell surface markers

EnVzyme™ Easy For easy to dissociate cells	TCL137-100ML	100ml
	TCL137-500ML	500ml
EnVzyme™ Super For hard to dissociate cells	TCL153-100ML	100ml
	TCL153-500ML	500ml

Animal Origin

Accutase® 1X Accutase® enzymes in Dulbecco's Phosphate Buffered Saline w/ Phenol red Sterile filtered Accutase® is a ready-to-use cell detachment solution of proteolytic and collagenolytic enzymes. Accutase® is a direct replacement for trypsin solution useful for the routine detachment of cells	TCL075-100ML	100ml
	TCL075-500ML	5x100ml 500ml
Collagenase Type I Solution, 0.25% w/ 0.25% Collagenase type I in PBS and 20% Fetal Bovine Serum	TCL116-20ML	20ml
	TCL116-100ML	100ml
Collagenase Type IV Solution w/ 1mg/ml Collagenase type IV in DMEM/F12 medium	TCL117-20ML	20ml
	TCL117-100ML	100ml
Collagenase-Hyaluronidase Solution 10X	TCL118-10ML	10ml
Collagenase-Dispase® Solution 3 mg/ml of Collagenase I and 4mg/ml of Dispase in Dulbecco's Phosphate Buffered Saline w/o Calcium and Magnesium	TCL142-10ML	10ml
Dispase® Solution, 5mg/ml in DMEM/F-12 1:1 Mixture w/ Phenol red	TCL114-100ML	100ml



Product	Code	Packing
Trypsin Solutions		
Trypsin 0.1% Solution 1X 0.1% Trypsin in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL011-100ML	100ml
	TCL011-500ML	5x100ml 500ml 6x500ml
Trypsin 0.25% Solution 1X 0.25% Trypsin in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL006-100ML	100ml
	TCL006-500ML	5x100ml 500ml 6x500ml
Trypsin 0.25% Solution 1X 0.25% Trypsin in Hanks' Balanced Salt Solution w/ Phenol red w/o Calcium and Magnesium	TCL047-100ML	100ml
	TCL047-500ML	5x100ml 500ml 6x500ml
Trypsin 0.25% Solution 1X 0.25% Trypsin in Hanks' Balanced Salt Solution w/o Calcium, Magnesium and Phenol red	TCL151-100ML	100ml
	TCL151-500ML	5x100ml 500ml
Trypsin 2.5% Solution 10X 2.5% Trypsin in Hanks' Balanced Salt Solution 10X w/o Phenol red	TCL008-100ML	100ml
	TCL008-500ML	5x100ml 500ml
Trypsin 0.25% Solution 1X 0.25% Trypsin in Citrate buffer w/o Phenol red	TCL111-100ML	100ml
	TCL111-500ML	5x100ml 500ml 6x500ml

Trypsin EDTA Solutions		
Trypsin - EDTA Solution 1X 0.25% Trypsin and 0.02% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL007-100ML	100ml
	TCL007-500ML	5x100ml 500ml 6x500ml
Trypsin - EDTA Solution 1X 0.25% Trypsin and 0.02% EDTA in Hanks' Balanced Salt Solution w/ Phenol red	TCL049-100ML	100ml
	TCL049-500ML	5x100ml 500ml 6x500ml
Trypsin - EDTA Solution 1X 0.25% Trypsin and 0.02% EDTA in Hanks' Balanced Salt Solution w/o Calcium, Magnesium and Phenol red	TCL152-100ML	100ml
	TCL152-500ML	5x100ml 500ml 6x500ml
Trypsin - EDTA Solution 1X 0.25% Trypsin and 0.02% EDTA in 0.8% normal saline w/ 0.4 g/L Potassium chloride, 1.0g/L Glucose, 0.35 g/L Sodium bicarbonate and 0.01 g/L Phenol red	TCL165-100ML	100ml
	TCL165-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X 0.25% Trypsin Gamma irradiated and 0.02% EDTA in Hanks' Balanced Salt Solution w/ Phenol red	TCL155-100ML	100ml
	TCL155-500ML	5x100ml 500ml 6x500ml

Product	Code	Packing
Trypsin - EDTA Solution 1X 0.25% trypsin, 0.038% EDTA in Hanks' Balanced Salt Solution w/o Calcium and Magnesium w/ Phenol red	TCL048-100ML	100ml
	TCL048-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X 0.25% Trypsin and 0.038% EDTA in Hanks' Balanced Salt Solution w/o Calcium, Magnesium and Phenol red	TCL154-100ML	100ml
	TCL154-500ML	5x100ml 500ml 6x500ml
Trypsin - EDTA Solution 1X 0.25% Trypsin and 0.001% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL014-100ML	100ml
	TCL014-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X 0.05% Trypsin, 0.02% EDTA in Hanks' Balanced Salt Solution w/ Phenol red	TCL033-100ML	100ml
	TCL033-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X w/ 0.05% Trypsin and 0.02% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL139-100ML	100ml
	TCL139-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X w/ 0.25% Trypsin, 0.1% EDTA in Hanks' Balanced Salt Solution w/o Phenol red	TCL042-100ML	100ml
	TCL042-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X 0.25% Trypsin and 0.2% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	T001-100ML	100ml
	T001-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X w/ 500 BAEU units Porcine trypsin and 180µg EDTA tetrasodium salt per ml in Dulbecco's Phosphate Buffered Saline w/o Calcium, Magnesium and Phenol red	TCL081-100ML	100ml
	TCL081-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X w/ 0.025% Trypsin and 0.01% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL099-100ML	100ml
	TCL099-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 10X 0.5% Trypsin, 0.2% EDTA in 0.85% normal saline w/o Phenol red	TCL034-100ML	100ml
	TCL034-500ML	5x100ml 500ml
Trypsin-EDTA Solution 10X 0.5% Trypsin (1:250) Gamma irradiated and 0.2% EDTA in 0.85% normal saline w/o Phenol red	TCL144-100ML	100ml
	TCL144-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 10X w/ 0.5% Trypsin and 0.2% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL140-100ML	100ml
	TCL140-500ML	5x100ml 500ml

Product	Code	Packing
Trypsin-EDTA Solution 10X w/ 2.5% Trypsin (1:250), 0.2% EDTA in 0.85% normal saline w/o Phenol red	TCL070-100ML	100ml
	TCL070-500ML	5x100ml 500ml
Trypsin-EDTA Solution 1X w/ 0.05% Trypsin, 0.02% EDTA and 0.1% Glucose, 0.8% Sodium chloride, 0.04% Potassium chloride and 500mg per liter Sodium bicarbonate w/o Phenol red	TCL145-100ML	100ml
	TCL145-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X 0.25% Trypsin, 0.03% EDTA in PBS w/ Phenol red	TCL179-100ML	100ml
	TCL179-500ML	5x100ml 500ml 6x500ml
Trypsin-EDTA Solution 1X 0.05% Trypsin and 0.02% EDTA IN 0.04% KCl, 0.1% glucose, 0.58g/L sodium bicarbonate and phenol red in 0.8% normal saline	TCL184-100ML	100ml
	TCL184-500ML	5x100ml 500ml 6x500ml
TPVG Solutions		
Trypsin Phosphate Versene Glucose (TPVG) Solution 1X 0.25% Trypsin, 0.5% PVP, 0.02% EDTA and 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL022-100ML	100ml
	TCL022-500ML	5x100ml 500ml 6x500ml

Product	Code	Packing
Trypsin Phosphate Versene Glucose (TPVG) Solution 1X 0.25% Trypsin, 0.5 % PVP, 0.02% EDTA and 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/ Phenol red	TCL143-100ML	100ml
	TCL143-500ML	5x100ml 500ml 6x500ml
Trypsin Phosphate Versene Glucose (TPVG) Solution 1X 0.1% Trypsin, 0.02% EDTA, 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/ Phenol red	TCL031-100ML	100ml
	TCL031-500ML	5x100ml 500ml 6x500ml
Trypsin Phosphate Versene Glucose (TPVG) Solution 1X 0.1% Trypsin, 0.02% EDTA, 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL120-100ML	100ml
	TCL120-500ML	5x100ml 500ml 6x500ml
Versene Solutions		
Versene (EDTA) 0.1% Solution 1X 0.1% Versene in Dulbecco's Phosphate Buffered Saline w/o Phenol red Store at 15-30°C	TCL020-100ML	5x100ml
	TCL020-500ML	2x500ml
Trypsin Inhibitors		
Trypsin Inhibitor from Soyabean 1X, Liquid # w/ 1mg/ml of Trypsin inhibitor in Dulbecco's Phosphate Buffered Saline	TCL068-100ML	100ml 5x100ml

Miscellaneous Reagents

Product	Code	Packing
Carrier Proteins		
Bovine Albumin Fraction V 7.5% Solution # in Dulbecco's Phosphate Buffered Saline	TCL036-100ML	100ml
Attachment Factors		
Collagen Peptide Solution 1% w/ 1% Collagen Peptide in Dulbecco's Phosphate Buffered Saline	TCL127-50ML TCL127-100ML	50ml 100ml
Gelatin Solution 0.5% w/ 0.5% Type B Gelatin from bovine skin in sterile tissue culture grade water	TCL109-100ML	100ml
Gelatin Solution 2% w/ 2% Type B Gelatin from bovine skin in sterile tissue culture grade water	TCL059-100ML	100ml
Poly-L-Ornithine Solution, 0.01% #	TCL148-50ML	50ml
Media Supplements and Buffers		
L-Glutamine 200mM Solution L-Glutamine in 0.85% normal saline Cell culture tested Store at -20°C	TCL012-20ML TCL012-100ML TCL012-500ML	5x20ml 5x100ml 500ml 2x500ml
HiGlutaXL™ Supplement 200mM # w/ L-Alanyl-L-Glutamine in 0.85% normal saline	TCL030-100ML	100ml 5x100ml
HEPES 1M Solution # Cell culture tested	TCL021-100ML TCL021-50ML TCL021-500ML	100ml 5x50ml 500ml 2x500ml
1N Hydrochloric Acid Solution	TCL003-20ML	10x20ml
Potassium bicarbonate Solution 7.5%	TCL024-100ML	5x100ml
Sodium bicarbonate Solution 7.5%	TCL013-100ML TCL013-500ML	100ml 5x100ml 500ml
1N Sodium Hydroxide	TCL002-20ML	10x20ml
Sodium Pyruvate Solution 100mM #	TCL015-100ML	100ml 5x100ml
0.5M EGTA solution, pH 8.0 #	TCL188-100ML TCL188-500ML	100ml 500ml
0.5M EDTA solution, pH 8.0 #	TCL189-100ML TCL189-500ML	100ml 500ml
HEPES Solution # 1M in normal saline	TCL190-100ML TCL190-500ML	100ml 500ml

Product	Code	Packing
Others		
D-(+)-Glucose Solution 45%, Autoclaved w/ 45% D-(+)-Glucose in sterile tissue culture grade water	TCL077-100ML TCL077-500ML	100ml 500ml
Heparin Solution, 1000 units/ml # Sterile filtered Cell culture tested	TCL129-50ML	50ml
DL-Lactic acid Sodium salt solution, 60% #	TCL138-100ML TCL138-500ML	100ml 500ml
Pluronic F-68® Solution 10%, 100X	TCL023-100ML	100ml
Recombinant Human Insulin Solution, 10mg/ml #	TCL035-10ML TCL035-20ML	10ml 20ml
Recombinant Human Insulin Solution, 5mg/ml #	TCL125-10ML TCL125-20ML	10ml 20ml
Paraformaldehyde Solution, 4% 4% Paraformaldehyde in Phosphate Buffered Saline	TCL119-100ML	100ml

Water		
Water, Sterile, Molecular Biology Grade DEPC treated, Nuclease and Protease free	TCL016-100ML TCL016-500ML TCL016-1000ML	20X100ml 500ml 10x500ml 10x1000ml
Water, Sterile, Molecular Biology Grade Endotoxin tested DEPC treated, Nuclease and Protease free	TCL018-100ML TCL018-500ML TCL018-1000ML	20X100ml 500ml 10x500ml 10x1000ml
Water, Sterile, Tissue Culture Grade	TCL010-100ML TCL010-500ML TCL010-1000ML	20X100ml 500ml 10x500ml 10x1000ml
Water, Sterile, Tissue Culture Grade Endotoxin Tested	TCL019-100ML TCL019-500ML TCL019-1000ML	20X100ml 500ml 10x500ml 10x1000ml

Cell Lysis Solutions		
RIPA buffer # Sterile filtered	TCL131-100ML TCL131-500ML	100ml 500ml
Triton™ X-100 Solution, 10% # Sterile filtered	TCL135-100ML TCL135-500ML	100ml 500ml
Triton™ X-100 Solution, 20% # Sterile filtered	TCL136-100ML TCL136-500ML	100ml 500ml
Urea Buffer # Sterile filtered	TCL161-100ML TCL161-500ML	100ml 500ml
20% Tween® 20 Sterile filtered	TCL166-100ML TCL166-500ML	100ml 500ml

Cell Culture Supplements

Product	Code	Packing
Amino Acid Concentrates		
Amino Acids Concentrate (Liquid)		
MEM Amino Acids Solution 100X # w/o L-Glutamine	ACL002-100ML	100ml 5x100ml
MEM Glasgow's Modification Amino Acids Solution 100X # w/o L-Glutamine	ACL003-100ML	100ml 5x100ml
MEM Non Essential Amino Acids Solution 50X #	ACL005-100ML	100ml 5x100ml
MEM Non Essential Amino Acids Solution 100X #	ACL006-100ML	100ml 5x100ml
Amino Acids Concentrate (Powder)		
MEM Dulbecco's Modification Amino Acids 50X #	AC004-1L AC004-10X1L	1lt 10x1lt
MEM Glasgow Modification Amino Acids 50X # w/o L-Glutamine	AC003-1L AC003-10X1L	1lt 10x1lt
MEM-Non Essential Amino Acids (NEAA) 50X #	AC005-1L AC005-10X1L	1lt 10x1lt
Hydrolysates		
Casein Enzyme Hydrolysate		
♦ Casitose Cell Culture Tested	TC370-500G TC370-5KG TC370-25KG	500gm 5kg 25kg
Cotton Hydrolysate		
Cotton hydrolysate Cell Culture Tested	TC651-500G TC651-5KG TC651-25KG	500gm 5kg 25kg
Lactalbumin Hydrolysate		
Lactalbumin Hydrolysate Cell Culture Tested	TC367-500G TC367-5KG TC367-25KG	500gm 5kg 25kg
Lactalbumin Hydrolysate Cell Culture Tested Gamma irradiated	TC367G-500G TC367G-5KG TC367G-25KG	500gm 5kg 25kg

Product	Code	Packing
Lactalbumin Hydrolysate Cell Culture Tested Recommended as a vaccine stabilizer	TC367V-500G TC367V-5KG TC367V-25KG	500gm 5kg 25kg
Meat Peptone		
Meat Peptone (Henceforth referred as HM Peptone) Cell Culture Tested	TC371-500G TC371-5KG TC371-25KG	500gm 5kg 25kg
Pea Hydrolysate		
Pea hydrolysate Cell Culture Tested	TC650-500G TC650-5KG TC650-25KG	500gm 5kg 25kg
Soya Peptone		
Soya Peptone Cell Culture Tested	TC608-500G TC608-5KG TC608-25KG	500gm 5kg 25kg
Soya Peptone, Ultrafiltered Cell Culture Tested	TC437-500G TC437-5KG TC437-25KG	500gm 5kg 25kg
Tryptose Phosphate Broth		
Tryptose Phosphate Broth Cell Culture Grade	AT811-100G AT811-500G	100gm 500gm
Tryptose Phosphate Broth 50X	TCL009-100ML	100ml 5x100ml
Wheat Hydrolysate		
Wheat hydrolysate Cell Culture Tested	TC649-500G TC649-5KG TC649-25KG	500gm 5kg 25kg
Yeast Extract		
Yeast Extract Cell Culture Tested	TC369-500G TC369-5KG TC369-25KG	500gm 5kg 25kg
Yeast Extract, Ultrafiltered Cell Culture Tested	TC438-500G TC438-5KG TC438-25KG	500gm 5kg 25kg

ACC

Product	Code	Packing
Yeast Extract Granulated Cell Culture Tested	TC535-500G	500gm
	TC535-5KG	5kg
	TC535-25KG	25kg
Yeast Extract, Ultrafiltered Granulated Cell Culture Tested	TC593-500G	500gm
	TC593-5KG	5kg
	TC593-25KG	25kg
Yeast Extract Solution, 150 g/l Cell Culture Tested	TCL041-100ML	100ml
	TCL041-500ML	500ml

Product	Code	Packing
Vitamin Solutions		
Vitamin Solutions (Sterile filtered)		
BME Vitamin Solution 100X Store at -20°C	VA001-100ML	100ml 5x100ml
MEM Vitamin Solution 100X Store at -20°C	VA002-100ML	100ml 5x100ml
RPMI 1640 Vitamin Solution 100X Store at -20°C	VA003-100ML	100ml 5x100ml

Cytokines by Applications

Hematopoietic Stem Cell Research

Product	Species	Source	Code
TNF-α	Human	E. coli	CF085
G-CSF	Human	E. coli	CF012
	Murine	E. coli	CF013
GM-CSF	Human	E. coli	CF014
	Murine	E. coli	CF015
IL-3	Human	E. coli	CF045
	Murine	E. coli	CF046
IL-6	Human	E. coli	CF049
	Murine	-	CF050
SCF	Human	E. coli	CF071
	Murine	E. coli	CF072
M-CSF	Human	E. coli	CF016
	Murine	E. coli	CF017
TPO	Human	E. coli	CF073
	Murine	E. coli	CF074
EPO	Human	-	CF025
Fit3-Ligand	Human	-	CF031

Immunology Research

Product	Species	Source	Code
TNF-α	Human	E. coli	CF085
G-CSF	Human	E. coli	CF012
	Murine	E. coli	CF013
IFN-g	Human	E. coli	CF040
	Murine	E. coli	CF041
IL-1α	Human	E. coli	CF042
IL-1β	Human	E. coli	CF043
IL-2	Human	E. coli	CF044
IL-3	Human	E. coli	CF045
	Murine	E. coli	CF046
IL-4	Human	E. coli	CF047
	Murine	-	CF048
IL-6	Human	E. coli	CF049
	Murine	-	CF050
IL-7	Human	E. coli	CF051
IL-11	Human	E. coli	CF057
GM-CSF	Human	E. coli	CF014
	Murine	E. coli	CF015

Pluripotent Stem Cell Research

Product	Species	Source	Code
Activin A	Human	E. coli	CF002
FGF-basic	Human	E. coli	CF027
BMP-2	Human	E. coli	CF003
BMP-4	Human	E. coli	CF006
	Human	E. coli	CF067
PDGF-BB	Murine	E. coli	CF068
	Human	E. coli	CF071
SCF	Murine	E. coli	CF072
	Human	HEK293	CF078
TGF-β1	Human	CHO	CF079
		E. coli	CF061
LIF	Human	E. coli	CF062
	Murine	E. coli	CF019
VEGF	Human	E. coli	CF021
	Murine	E. coli	CF021

Mesenchymal Stem Cell Research

Product	Species	Source	Code
FGF-basic	Human	E. coli	CF027
PDGF-BB	Human	E. coli	CF067
	Murine	E. coli	CF068
BMP-2	Human	E. coli	CF003
BMP-4	Human	E. coli	CF006
TGF-β1	Human	HEK293	CF078
		CHO	CF079
TGF-β3	Human	E. coli	CF082
		E. coli	CF083
IGF-I	Human	E. coli	CF036
	Murine	E. coli	CF037

Neurobiology Research

Product	Species	Source	Code
BMP-2	Human	E. coli	CF003
BMP-4	Human	E. coli	CF006
TGF-β1	Human	HEK293	CF078
		CHO	CF079
FGF-basic	Human	E. coli	CF027
EGF	Human	-	CF023

Vascular Biology Research

Product	Species	Source	Code
VEGF	Human	E. coli	CF019
	Murine	E. coli	CF021
TNF-α	Human	E. coli	CF085
IL-1α	Human	E. coli	CF042
IL-1β	Human	E. coli	CF043
IL-4	Human	E. coli	CF047
	Murine	-	CF078
IFN-g	Human	E. coli	CF040
	Murine	E. coli	CF041



TGF-β superfamily
IL Family
TNF Superfamily
FGF Family
IGF Family
EGF Family
EPO/TPO Family
Stem Cell Factors
And many more..

Available in multiple pack sizes -
2µg,
10µg,
50µg,
100µg

Bulk pack available on request
Enquire for bulk rate

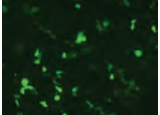
For more information refer page no. 446 - 451

Speciality Product Segment

Product	Code	Packing
Mouse IVF Platform		
M2 Medium w/ HEPES buffer, Sodium bicarbonate and Sodium lactate  Mouse embryos in M2 Medium	AL142-500ML	500ml
M16 Medium w/ Sodium bicarbonate and Sodium lactate  Mouse embryos in M16 Medium	AL143 500ML	500ml
HTF Medium w/ HEPES buffer and Sodium bicarbonate w/o Phenol red	AL233-100ML AL233-500ML	100ml 500ml
HTF Medium w/ Sodium bicarbonate and Phenol red w/o HEPES buffer	AL234-500ML	500ml

Hybridoma Platform		
Hybridoma Culture Media		
HybridoXL™ Medium Part A: Chemically defined powdered medium Part B: Recombinant Human Insulin Powder	AT191-1L AT191-10X1L AT191-20L	1lt 10x1lt 20lt
HybridoXL™ Medium w/ L-Glutamine, HEPES buffer, Insulin and 1.5gms per litre Sodium bicarbonate 1X Liquid Cell Culture Medium	AL206A-500ML	500ml 2x500ml 6x500ml 20x500ml
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate Hybridoma Tested	AL057H-100ML AL057H-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml
Minimum Essential Medium Eagle (MEM) w/ Earle's salts, NEAA, Sodium bicarbonate and L-Glutamine Hybridoma Tested	AL047H-500ML	500ml 2x500ml 6x500ml 20x500ml
RPMI-1640 w/ Sodium bicarbonate w/o L-Glutamine Hybridoma tested	AL028B-500ML	500ml 2x500ml 6x500ml 20x500ml

Product	Code	Packing
Hybridoma Tested DMSO		
HybridoXL™ DMSO Cell Culture Tested Hybridoma Tested (Store at 15-30°C)	TC429-100ML	100ml
HybridoXL™ DMSO Sterile Filtered Cell Culture Tested (Store at 15-30°C)	TC433-100ML	100ml
Freezing Medium for Hybridoma		
CryoXL™ Hybridoma Cell Freezing Medium, DMSO, 1X w/ FBS and DMSO w/o Antibiotics (Store at -20°C)	TCL123-50ML	50ml
Hybridoma Selection Supplements		
HAT Medium Supplement 50X, Liquid w/ 680.5 mg/litre Hypoxanthine, 8.8 mg/litre Aminopterin and 193.8 mg/litre Thymidine in Phosphate Buffered Saline (Store at -20°C)	TCL072-10ML TCL072-100ML	5x10ml 10x10ml 100ml
HT Medium Supplement 50X, Liquid w/ 680.5 mg/litre Hypoxanthine and 193.8 mg/litre Thymidine in Phosphate Buffered Saline (Store at -20°C)	TCL073-10ML TCL073-100ML	5x10ml 10x10ml 100ml

Transfection Platform		
Media and Kits		
HiTransfect™ Transfection Medium, Serum Free, Animal Component Free, Low protein w/ Sodium bicarbonate w/o L-Glutamine Part A - Basal Medium Part B - Low Protein Growth Supplement (Store at -20°C)	SFM015-500ML	500ml
 VERO cells cultured in SFM015 and transfected with GFP plasmid (100X)		
HiTransfect™ Transfection Medium, Reduced Serum w/ Sodium bicarbonate w/o L-Glutamine Part A - Basal Medium Part B - Reduced Serum Supplement (Store at -20°C)	RSL013-500ML	500ml
HiTransfect™ Transfection Medium, Reduced Serum w/ Sodium bicarbonate w/o Phenol red and L-Glutamine Part A - Basal Medium Part B - Reduced Serum Supplement (Store at -20°C)	RSL020-500ML	500ml
EZdetect™ β-Gal Staining Kit EZdetect β Gal staining kit provides a method for determining the percentage of cells transfected with the plasmid expressing the β-galactosidase gene, LacZ.	CCK064-1KT	Kit for 300 tests in a 35mm dish

Cytogenetics Platform

HiKaryoXL™
Peripheral Blood
Karyotyping Medium

HiMarrowXL™
Bone Marrow
Karyotyping Medium

HiAmnioXL™
Amniocyte
Karyotyping Medium



IT'S ALL ABOUT UNDERSTANDING GENETICS

Our objective is to make quality diagnostic tools for making cytogenetic analysis convenient, easy and accurate.

Karyotyping media are a series of ready-to-use media developed for short term in vitro culture of peripheral blood lymphocytes bone marrow cells and amniotic fluid cells for cytogenetic studies.

**Guaranteed
high mitotic index
&
desired chromosome
morphology**

Product	Code	Packing
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Bone Marrow Karyotyping

Intended for short-term cultivation of primary bone marrow cells for chromosome evaluation

HiMarrowXL™ Karyotyping Medium w/ L-Glutamine, Sodium bicarbonate, FBS, Conditioned Medium and Gentamicin Sulfate	New AL301A-10ML	50x10ml
	AL301A-100ML	100ml
		5x100ml

Amniotic Fluid Karyotyping

Optimized for culture and genetic analysis of human amniotic fluid, cells and chorionic villi (CV) samples

HiAmnioXL™ Amniocyte Karyotyping Medium w/ L-Glutamine, FBS, Gentamicin Sulfate and Sodium bicarbonate	New AL202A-10ML	50x10ml
	AL202A-100ML	100ml
		5x100ml

Peripheral Blood Karyotyping

Optimized for short-term cultures of peripheral blood lymphocytes for chromosome analysis

Media containing PHA-M

HiKaryoXL™ RPMI Medium w/ L-Glutamine, FBS, PHA-M, Penicillin, Streptomycin and Sodium bicarbonate	AL165A-10ML	50x10ml
	AL165A-100ML	100ml
		5x100ml

HiKaryoXL™ Nutrient Mixture F10 Medium w/ L-Glutamine, FBS, PHA-M, Penicillin, Streptomycin and Sodium bicarbonate	AL169A-10ML	50x10ml
	AL169A-100ML	5x100ml

Media containing PHA-P as mitogen

HiKaryoXL™ RPMI Medium w/ L-Glutamine, FBS, PHA-P, Penicillin, Streptomycin and Sodium bicarbonate	AL249A-10ML	50x10ml
	AL249A-100ML	5x100ml

RPMI Media without mitogen

HiKaryoXL™ RPMI Medium w/ L-Glutamine, FBS, Penicillin, Streptomycin and Sodium bicarbonate w/o PHA-M	AL173A-10ML	50x10ml
	AL173A-100ML	100ml
		5x100ml

HiKaryoXL™ Nutrient Mixture F-10 Ham Medium w/ L-Glutamine, FBS, Penicillin, Streptomycin and Sodium bicarbonate w/o PHA-M	AL185A-100ML	100ml
		5x100ml

Mitotic Stimulators

HiKaryoXL™ PHA-M Solution w/ 0.1 mg per ml PHA-M in sterile tissue culture grade water	TCL061-10ML	10ml
		5x10ml

HiKaryoXL™ PHA-M Solution w/ 1 mg per ml PHA-M in sterile tissue culture grade water	TCL071-10ML	10ml
		5x10ml

Product	Code	Packing
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Mitotic Inhibitors

HiKaryoXL™ Colchicine Solution # w/ 10µg per ml Colchicine in Phosphate Buffered Saline	TCL062-20ML	20ml
HiKaryoXL™ Colcemid® Solution # w/ 10µg per ml Colcemid in Hanks' Balanced salt solution	TCL074-20ML	20ml
	TCL074-100ML	100ml
HiKaryoXL™ Colcemid® Solution # w/ 10µg per ml Colcemid in Phosphate Buffered Saline	TCL133-20ML	20ml
	TCL133-100ML	100ml

Related Reagents

Trypsin Solution for G-Banding w/ 0.025% Trypsin in Dulbecco's Phosphate Buffered Saline	TCL122-100ML	100ml
		5x100ml
Gurr Buffer Solution pH 6.8 (Store at 15-30°C)	TL1139-500ML	500ml

Kits

HiPer® G-Banding Kit For Cattle and Buffalo chromosomes	CCK075-1KT	1kit
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Staining Solutions

Giemsa Stain Solution (Store at 15-30°C)	TCL083-100ML	100ml
	TCL083-500ML	500ml



Ready to use
Optimized performance
Assured high mitotic index
Ideal chromosome Resolution

Viral Transport Systems

Viral Transport Kit is intended for collection and transportation of **Viruses Chlamydiae, Mycoplasma and Ureaplasma** from the collection site to the laboratory.

It contains HiViral™ Transport Medium that is designed to support a wide range of viruses such as *Herpes Simplex Virus*, *Adenovirus*, *Influenza Type A (H1N1, H5N2, H3N2)*, *Respiratory Syncytial Virus*, *Enterovirus*, *Mumps Virus* and *Rhinovirus*. It also contains a suitable swab either for nasopharyngeal, nasal or tracheal sampling.



HiViral™ Transport Media

- Antibacterial and antifungal agents prevents bacterial and fungal contamination
- Prevents long-term frozen storage of viruses
- Avoids drying up of the sample
- Allows long survival of the present virus
- Prevents the growth of other bacteria and fungi present in the specimen
- Stabilizes the viruses and offers maximum recovery

Manufactured in GMP, ISO 13485 and ISO 9001 certified facility
CE Marked for IVD (98/79/EC)



Product	Code	Packing
Media without Glass beads		
HiViral™ Transport Medium with 3ml viral transport medium in a self-standing tube	AL167-50X3ML	50X3ml
HiViral™ Transport Medium w/ 1 mL Viral Transport Medium in a self-standing tube	AL296-50X1ML	50x1ml
Media with Glass beads		
HiViral™ Transport Medium w/ Amphotericin B contains 3ml viral transport medium in self-standing tube with 3 glass beads	AL270-50X3ML	50X3ml
HiViral™ Transport Medium w/ 1 mL Viral Transport Medium in a self-standing tube with 3 glass beads	AL297-50X1ML	50x1ml
Kits with Media with Swabs		
HiViral™ Transport Kit w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile flocked nylon swab with breakpoint.	MS2760-50NO	50nos
HiViral™ Transport Kit (A) w/ 3 mL Viral Transport Medium in a self-standing tube, one sterile flocked nylon swab with breakpoint and one sterile viscose swab without breakpoint	MS2760A-50NO	50nos

Product	Code	Packing
HiViral™ Transport Kit (B) w/ 3 mL Viral Transport Medium in a self-standing tube, one sterile flocked nylon swab with breakpoint and one sterile polyester swab without breakpoint	MS2760B-50NO	50nos
HiViral™ Transport Kit (D) w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile viscose swab without breakpoint	MS2760D-50NO	50nos
HiViral™ Transport Kit (E) w/ 3 mL Viral Transport Medium in a self-standing tube, one sterile flocked nylon swab and one sterile polyester swab with breakpoint	MS2760E-50NO	50nos
HiViral™ Transport Kit (F) w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile polyester swab with breakpoint	MS2760F-50NO	50nos
HiViral™ Transport Kit (G) w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile foam tipped swab with breakpoint	MS2760G-50NO	50nos
HiViral™ Transport Kit (H) w/ 3 mL Viral Transport Medium in a self-standing tube and two sterile flocked nylon swabs with breakpoint	MS2760H-50NO	50nos

Swabs - Design, Type and Usage

Flocked Nylon Swab

The ultra-flexible plastic shaft is ergonomically designed to optimize the collection efficiency with improved patient comfort. The capillary action between the nylon fiber strands facilitates strong hydraulic uptake of liquid samples. The sample stays close to the surface allowing easier and rapid elution, which results in minimum hands-on specimen processing.

- Suitable for nasal and nasopharyngeal sampling
- Available in unique molded breakpoint design



Product Code : PW1172

Viscose Swab

The viscose swabs consists of exceptional particle entrapment capability, high absorbency that provides maximum retention of the sample. Its long perpendicular shaft is flexible and offers precise control while sampling.

- Suitable for collecting throat samples



Product Code : PW043

Polyester Swab

The polyester swab consists of a synthetic fiber spun around the sleek plastic shaft that offers excellent collection and release properties. This feature makes it ideal for intricate and delicate sampling.

- Suitable for collecting tracheal specimens, cells or fluids for DNA testing
- Available in both with and without unique molded breakpoint design



Product Code : PW1180

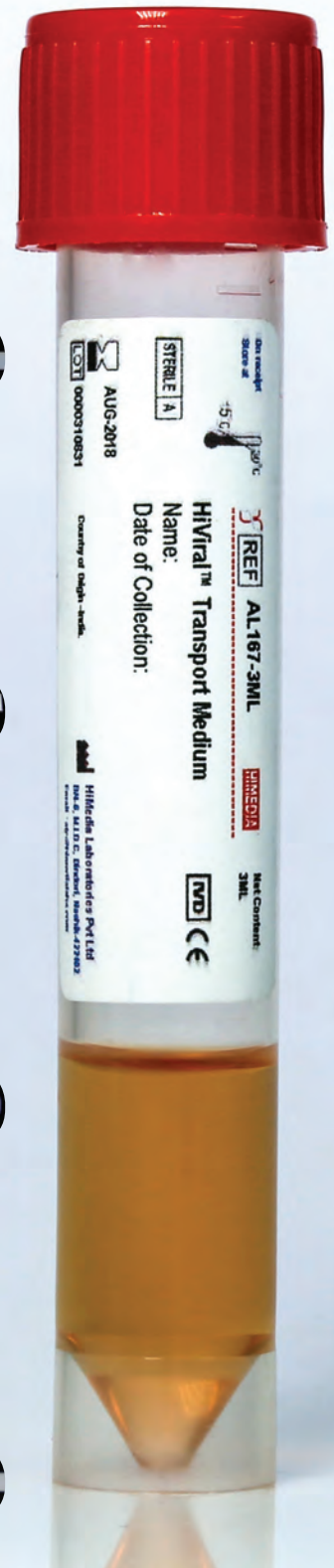
Foam Tipped Swab

The high-absorbency foam tip is designed for retention and rapid elution of samples. It flexible tip reaches deeper into confined and narrow spaces allowing better patient comfort.

- Suitable for nasopharyngeal sampling
- Available in unique molded breakpoint design



Product Code : PW1174



SERA

Choose the Right Sera

Research Grade & Sure Fetal Bovine Sera

Research Grade, Fetal Bovine Sera

An economical alternative for your research!

HiMedia's Research Grade FBS Sera provides exceptional value and quality for everyday applications. This sera helps to meet your research needs and budget requirements, offering the best value for basic cell culture, specialty research, and specific assays.

Sure Fetal Bovine Sera

Certified serum for commercial applications

Sure Fetal Bovine Sera are manufactured from countries with negligible BSE risk zones following stringent manufacturing and quality control procedures. They are triple 0.1µm sterile filtered with endotoxin not more than 5EU/ml. Suitable for many cell culture applications, this serum is comprehensively tested for performance and quality assurance. This premium FBS grade features sterility test, comprehensive biological testing and includes an extensive array of biochemical profile.

	Research Grade, Fetal Bovine Sera	Sure Fetal Bovine Sera
Origin	South American US	South American US Australian New Zealand
Treatment	Sterile Filtered Heat Inactivated	Sterile Filtered Heat Inactivated Gamma Irradiated
Endotoxin	Endotoxin level NMT 10 EU/ml	Endotoxin level NMT 5 EU/ml
Quality Tests	Growth Performance, Plating & Cloning efficiency. Protein profile tested Sterility tested Mycoplasma tested	Growth Performance, Plating & Cloning efficiency. Comprehensive Biochemical tested Sterility tested Mycoplasma tested * 9 CFR Virus testing done on request

Minibot™ ... Convenience at your doorstep

Cut the time of thawing, aliquoting, labelling and reduce the risk of contamination.

Minibot™ - Individually packed 50ml bottles

No Aliquoting
Waiting for 20 hours for thawing
Consumables
Hand-written labels



Fetal Bovine Sera

Product Category	Treatment	Origin	Product Code	Pack Size	
Fetal Bovine Sera, Research Grade	Sterile filtered	South American	RM10432-100ML	100ml	
			RM10432-500ML	500ml	
			Available in Minibot™ RM10432-50ML	10x50ml	
		US	RM10434-100ML	100ml	
			RM10434-500ML	500ml	
			Available in Minibot™ RM10434-50ML	10x50ml	
		USDA Approved	RM9952-100ML	100ml	
			RM9952-500ML	500ml	
	Sterile Filtered, Heat Inactivated	South American	RM9955-100ML	100ml	
			RM9955-500ML	500ml	
			Available in Minibot™ RM9955-50ML	10x50ml	
		US	RM10409-100ML	100ml	
			RM10409-500ML	500ml	
USDA Approved		RM10681-100ML	100ml		
		RM10681-500ML	500ml		
Sure Fetal Bovine Sera	Sterile filtered	South American	RM10971-500ML	500ml	
			Available in Minibot™ RM10971-50ML	10x50ml	
		US	RM10974-500ML	500ml	
			Available in Minibot™ RM10974-50ML	10x50ml	
		Australian	RM9951-500ML	500ml	
		New Zealand	RM10969-500ML	500ml	
	Heat Inactivated, Sterile Filtered	South American	RM10972-500ML	500ml	
		US	RM10975-500ML	500ml	
		Australian	RM10679-500ML	500ml	
		New Zealand	RM10977-500ML	500ml	
	Gamma Irradiated, Sterile Filtered	South American	RM1112-100ML	100ml	
			RM1112-500ML	500ml	
			Available in Minibot™ RM1112-50ML New	50ml	
		US	RM9970-500ML	500ml	
		Australian	RM10976-500ML	500ml	
New Zealand		RM10978-500ML	500ml		
Sterile Filtered, Heat Inactivated & Gamma Irradiated	US	RM10951-500ML	500ml		

ACC

Speciality Fetal Bovine Sera

Product Category	Treatment	Origin	Product Code	Pack Size	
Sure Mesenchymal Stem Cell Tested Sera	Sterile filtered	EU Approved	RM10832-500ML	500ml	
		USDA Approved	RM10845-500ML	500ml	
		Australia	RM10846-500ML	500ml	
		US	RM10938-500ML	500ml	
Sure Hybridoma Tested Sera	Sterile filtered	EU Approved	RM10906-500ML	500ml	
		US	RM10946-500ML	500ml	
Charcoal treated	Sterile filtered	-	RM10416-500ML	500ml	
Dialyzed	Sterile filtered	-	RM10685-500ML	500ml	
Sure ES Cell tested	Sterile filtered	-	RM10435-500ML	500ml	
Tetracycline negative	Sterile filtered	-	RM10686-500ML	500ml	
Iron supplemented	Sterile filtered	-	RM10915-500ML	500ml	
	Sterile filtered, Heat Inactivated	-	RM10948-500ML	500ml	
Sure Ultralow IgG	Sterile filtered	New Zealand	RM10984-500ML	500ml	

New Born Calf Sera

New Born Calf Sera	Sterile filtered	New Zealand	RM10422-500ML	500ml	
			RM10422-1000ML	1000ml	
	Sterile filtered, Heat inactivated	New Zealand	RM10437-500ML	500ml	
			RM10437-1000ML	1000ml	
	Sterile filtered, Gamma irradiated	New Zealand	RM10421-500ML	500ml	
			RM10421-1000ML	1000ml	
	Sterile filtered, Iron supplemented	New Zealand	RM10945-500ML	500ml	
			RM10945-1000ML	1000ml	
	Sterile filtered	New Zealand	RM10936-500ML	500ml	
			RM10936-1000ML	1000ml	

Adult Bovine Sera

Adult Bovine Sera	Sterile filtered	-	RM9981-500ML	500ml	
	Sterile filtered, Heat Inactivated	-	RM10913-500ML	500ml	

Human Sera

Human Sera	Type AB, Pooled Sterile filtered	-	RM10986-100ML	100ml	
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Other Animal Sera

Product Category	Treatment	Origin	Product Code	Pack Size	
Horse Serum	Sterile filtered	-	RM10436-100ML	100ml	
			RM10436-500ML	500ml	
	Sterile filtered, Heat Inactivated	-	RM10674-100ML	100ml	
			RM10674-500ML	500ml	
	Sterile filtered, Gamma Irradiated	-	RM1239-100ML	100ml	
Pig Serum	Sterile filtered	-	RM10415-100ML	100ml	
			RM10415-500ML	500ml	
Rabbit Serum	Sterile filtered	-	RM10433-500ML	500ml	
Sheep Serum	Sterile filtered	-	RM10700-500ML	500ml	
Goat Serum	Sterile filtered	-	RM10701-500ML	500ml	
Chicken Serum	Sterile filtered	-	RM10831-100ML	100ml	
			RM10831-500ML	500ml	
Rat Serum	Sterile filtered	-	RM10841-10ML	10ml	
Mouse Serum	Sterile filtered	-	RM10842-10ML	10ml	
			RM10842-100ML	100ml	

Serum Origin & Significance

Serum is a very complex product and greatly impact the quality and reproducibility of cell culture work. Fetal Bovine Sera (FBS) of different origin are available in the market. Serum origin refers to the country in which the raw blood is collected. It should not be mistaken with the country in which blood is processed.

The World Organization For Animal Health (OIE) evaluates the Geographical BSE Risk. The GBR assessment evaluates the likelihood that an animal within a country or a zone of the country is infected with BSE. For many years US was in the moderate risk category whereas United Kingdom in the highest risk category. The most recent standings of OIE indicates that countries like US, Brazil fall under negligible BSE risk just like Australia and New Zealand whereas zones of UK – England and Wales fall under controlled BSE risk.

New Zealand & Australian Sera

Australian Origin Sera is sourced from Australian abattoirs approved by the U.S. Department of Agriculture (USDA) or Australian Quarantine and Inspection Service (AQIS). Australia is an isolated continent, thus making animal disease and control management easier than in most areas of the world. Their methods of animal husbandry exhibit excellent animal nutrition and healthcare. As a result, Australia is recognized by the United States Department of Agriculture as being free of Foot and

Mouth Disease (FMD), Rinderpest, Swine Vesicular Disease (SVD) and Bovine Spongiform Encephalopathy (BSE).

BSE Risk Status	Countries
Negligible BSE risk	Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Chile, Colombia, Costa Rica, Denmark, Germany, India, Israel, Italy, Japan, Korea, Mexico, New Zealand, Nicaragua, Panama, Paraguay, Peru, Poland, Portugal, Singapore, Spain, Sweden, Switzerland, Netherlands, United States of America, Uruguay
Controlled BSE risk	Canada, Chinese Taipei, France, Greece, Ireland
Zone with Negligible BSE risk	People's Republic of China with exclusion of Hong Kong and Macau, Northern Ireland and Scotland
Zone with Controlled BSE risk	England and Wales

Quality Tested & Assured

Physicochemical Testing

- pH
- Osmolality
- Hemoglobin content
- Protein Profile
 - ♦ Total protein
 - ♦ Albumin
 - ♦ Alpha-globulin
 - ♦ Beta-globulin
 - ♦ Gamma-globulin
 - ♦ IgG

Endotoxin Testing

One of the vital criteria for selecting right serum for cell culture is the endotoxin content. It is present naturally in all types of sera. Endotoxin content in each lot of serum is estimated using LAL test.

Sterility Testing

All sera are tested for contamination with aerobic bacteria, anaerobic bacteria, fungi as per USP specifications. Mycoplasma contamination is detected by PCR.

- Aerobic bacteria
- Anaerobic bacteria
- Fungi
- Mycoplasma
 - ♦ Direct testing (Culture method)
 - ♦ Indirect testing (Hoechst 33258 staining)
 - ♦ Detection by PCR (16s-23s rRNA spacer region)
 - ♦ Detection by PCR (16s rRNA sequence)
- Virus Testing
 - ♦ Bovine Virus Diarrhea Virus (BVD-V)
 - ♦ Bovine Herpes Virus (BHV-1)
 - ♦ Parainfluenza Type 3 (PI-3)

Biochemical Testing

Biochemical are designed to check the efficacy of the FBS in promoting cell growth.

- Bilirubin
- Creatinine
- Sodium
- Phosphorus
- Enzymes
 - ♦ Serum glutamic pyruvic transaminase (SGPT)
 - ♦ Serum glutamic oxaloacetate transaminase (SGOT)
 - ♦ Alkaline phosphatase
 - ♦ Lactate dehydrogenase (LDH)
 - ♦ Gamma glutamyl transpeptidase
- Lipids
 - ♦ Cholesterol
 - ♦ Triglycerides
- Potassium
- Calcium
- Iron
- Urea
- Uric acid
- Chloride
- Glucose

Biological Performance

Functional assays are performed to evaluate biological performance of every lot of serum.

Plating Efficiency

Plating efficiency is a highly sensitive culture test for determining minor deficiencies and low concentrations of toxins in serum. It is an indicator of the robustness of serum. Murine fibroblast cells L929 are plated in microtiter plates (10 cells per well). Absolute and relative plating efficiency is evaluated after 7 - 14 days.

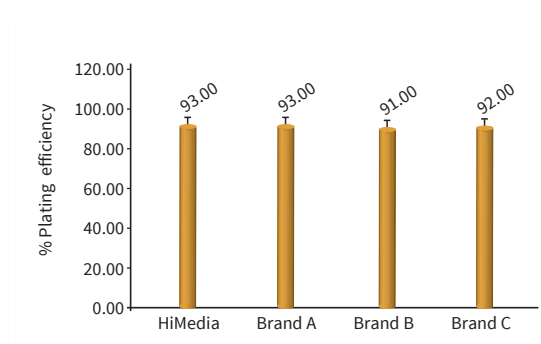


Fig 1 : Mouse NCTC clone L929 cells were grown in medium containing HiMedia's 10% FBS and FBS from other brands. Absolute plating efficiency was compared after 196hours.

Cloning Efficiency

Limited dilution cloning is the most commonly used method for cloning and selection of Hybridoma clones. This method involves seeding of cells at a very low cell density and clonal expansion of single cell to generate clones of itself. This method ensures that the cells of Hybridoma clone will originate from one cell and the produced antibody is monoclonal.

One of the major factor affecting clonal expansion is serum. Cloning efficiency of serum indicates ability to support the growth of myeloma or Hybridoma cells at very low cell densities. Mouse myeloma cell line Sp2/0-AG14 is seeded at a very low cell density in microtiter plates and ability of serum to generate colonies from single cells is determined in terms of absolute and relative cloning efficiency.

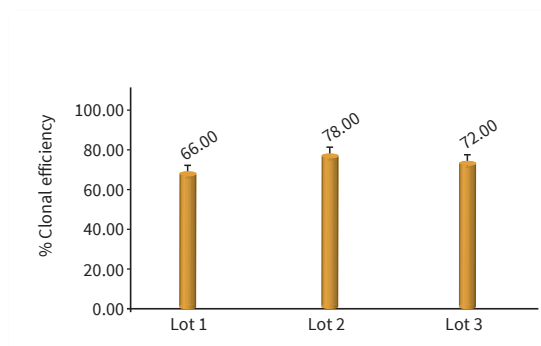


Fig 2 : Consistency in the cloning efficiency of different FBS lots was determined using Mouse Hybridoma cell line Sp2/0-Ag14

Growth Performance Test

Growth promotion capacity of serum is tested by repeated sub culturing of human diploid fastidious cell in WI38.

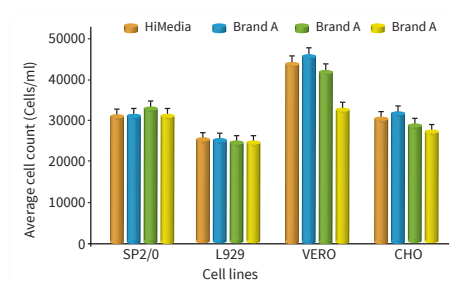


Fig 3 : Growth performance of Research Grade FBS (RM10432) on multiple cell lines - Sp2/0, L929, VERO and CHO cells were grown in media supplemented with HiMedia (RM10432) and competitor FBS. Performance was evaluated with respect to cell density after 72 hours.

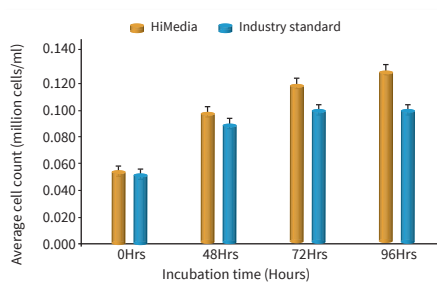


Fig 4 : Growth response of MRC-5 cells in RM10432 - MRC-5 cells were seeded in media supplemented with 10% RM10432 and Industry standard FBS. Cell count was taken at each time point and growth performance was evaluated.

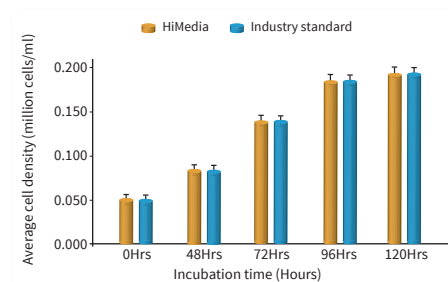


Fig 5 :Growth response of Mesenchymal stem cell (DPSc) in RM10832 - DPScs were seeded in a medium containing 10% mesenchymal stem cell tested FBS of HiMedia and compared with Industry standard FBS of other brand. Growth performance of both sera was found to be equivalent upto 120 hours.

Mesenchymal Stem Cell Tested Sera

Mesenchymal stem cells (MSC) are undifferentiated cells that have ability to differentiate into multiple lineages. A major challenge in culturing MSC is the difficulty to maintain them in undifferentiated state while avoiding their differentiation into unwanted lineage. Serum contains many unknown factors, nutrients and molecules in variable concentration that may lead to unwanted differentiation of stem cells.

MSC qualified sera are suitable for culturing MSC. Prescreening saves time and money by eliminating the need to test multiple serum lots to identify the suitable one for MSC culture. They are prescreened for

Clonal efficiency

Ability to form colonies in culture

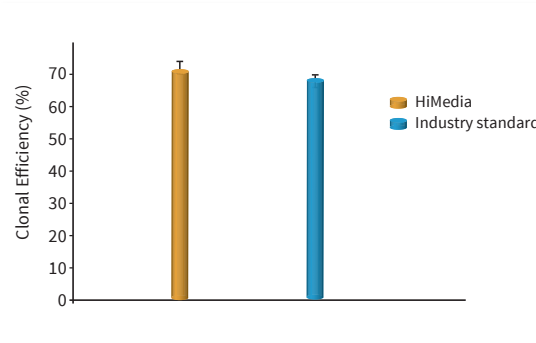


Fig 6 : Comparative performance of MSC tested FBS on clonal efficiency of mesenchymal stem cells

Expansion

Ability to proliferate and generate high cell densities without getting differentiated

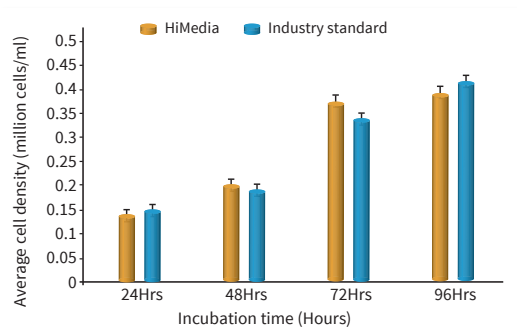
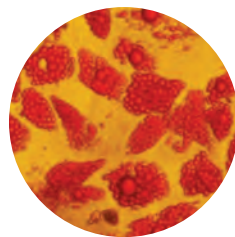


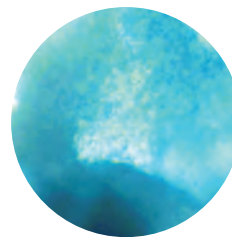
Fig 7 : Comparative performance of MSC tested FBS on expansion of Adipose derived MSC's

Differentiation potential

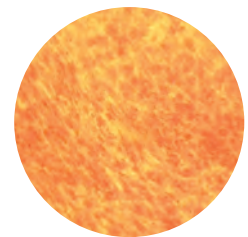
Ability to support adipogenic, osteogenic and chondrogenic differentiation under appropriate culture conditions



Adipogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Chondrogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Osteogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



HiMedia provides a wide array of stem cells and primary cells having high quality, functionality and purity with the intention of fostering advanced research in the field of cell biology, oncology, immunology etc.

STEM CELLS & PRIMARY CELL

Product	Prefix	Page
Mesenchymal Stem Cell Platform		
STEMin1™		
Serum free, Xeno free System for Human MSCs	AL	427-428
Cells	CL	429
Cell Culture Kits	CCK	429
Expansion Media	AL	429
MSC qualified Sera	RM	430
Differentiation Media	AL	430
Differentiation Kits	CCK	430
Freezing Medium	TCL	430
Staining Kits	CCK	431
Keratinocyte Platform		
Cells	CL	432
Expansion Medium	AL	432
Fibroblast Platform		
Cells	CL	433
Expansion Medium	AL	433
Culture Kit	CCK	433
Melanocyte Platform		
Cells	CL	434
Isolation Kit	CCK	434
Expansion Medium	AL	434

Product	Prefix	Page
Endothelial Cell Platform		
Pre-screened HUVEC	CL	435
Angiogenesis Kit	CCK	435
HUVEC-VEGF Platform	CL/AL/TCL/ CCK	436
HUVEC-Non-VEGF Platform	CL/AL/TCL/ CCK	436
HUAEC	CL	437
Expansion Media and Reagents	AL	437
Mammary Epithelial Cell Platform		
Cells	CL	437
Expansion Medium	AL	437
Peripheral Blood Cell Platform		
smart™		
T cell Expansion Medium	AL	438-439
Cells	CL	440-442
Primary Cryopreserved Hepatocytes		
443-445		
Cytokines and Growth Factors	CF	446-450
Attachment Factors	CF	450-451

Stem Cells and Primary Cells

HiMedia offers a comprehensive array of Stem Cells and Primary Cells which have distinct advantage of being representatives of **Indian genetic pool, ethically approved, affordable**. We supply cells after stringent Quality Control and Performance Testing, thereby, assuring the purity and performance of cells. To ensure that viability of cells is not compromised during transport, we transport the cryopreserved cells in **dry vapor shipper** and **liquid nitrogen**.

Stem Cells : HiMedia provides HiFi™ Mesenchymal Stem Cells isolated from four sources - Wharton's Jelly, Adipose Tissue, Dental Pulp and Bone Marrow. For successful culture of these cells, we offer specialized media in form of classical, reduced serum, serum-free and xeno-free formulations. Along with that we provide HiDiff™ Differentiation Media for differentiation of stem cells into specific lineages and their corresponding lineage specific EZstain™ Staining Kits.

Primary Cells : Primary Cells are ideal systems for variety of applications such as drug discovery and drug development, high throughput screening assays,

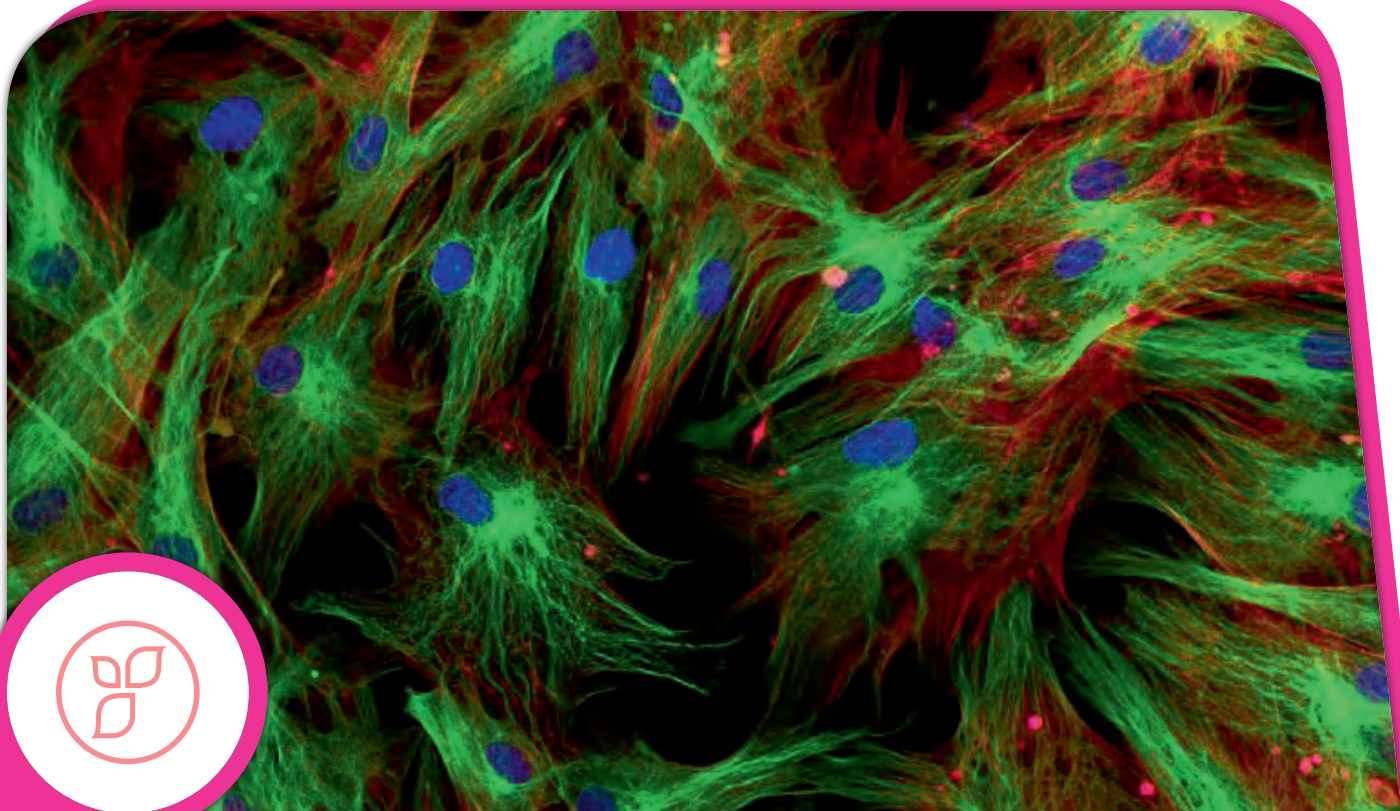
development of therapeutics for pharma, biopharma and academic research. The Primary Cells retain *in vivo* properties of tissue more closely as compared to continuous secondary cell lines. We have a broad portfolio of human Primary Cells which includes Endothelial Cells (umbilical vein and artery), Fibroblast Cells, Keratinocytes and Melanocytes, Peripheral Blood Mononuclear Cells (PBMCs) and Mammary Epithelial Cells. HiMedia is also offering subtypes of PBMCs which includes T Cells (CD3+, CD4+ and CD8+), NK Cells, Dendritic Cells and Monocytes. Prescreened Human Umbilical Cord Endothelial Cells (HUVEC) for VEGF response are also available to study angiogenesis and tube formation assay.

Primary Cell Platform is further extended to Cryopreserved Primary Hepatocytes from human as well as animal source.

We offer both fresh as well as Cryopreserved Primary Cells and required cell density which can be customized as per user request.

For more info :

atc@himedialabs.com | www.himedialabs.com



STEMin1™



A Complete, Defined, Serum free (SF), Xeno-free (XF) system for in vitro culture of human mesenchymal stem cells

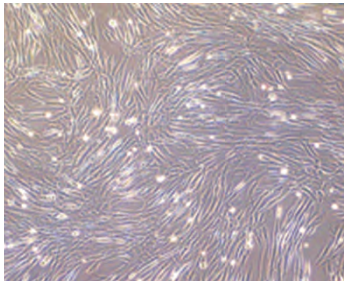
Manufactured in GMP, ISO 13485 and ISO 9001 certified facility

Defined medium – enhances reproducibility
Retains stemness markers and assures purity

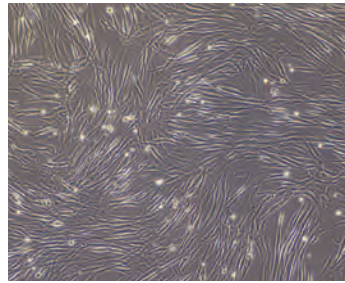
Superior cell expansion capacity and faster growth

Maintains trilineage differentiation potential through long term passaging

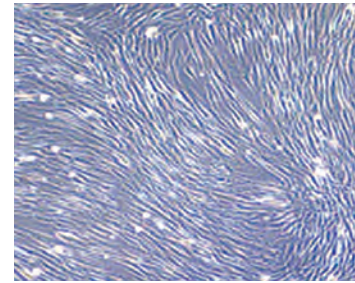
STEMin1™ MSC-SFM maintains MSCs in their spindle shaped, fibroblast like morphology post-isolation as well as during serial subculturing.



STEMIn1™

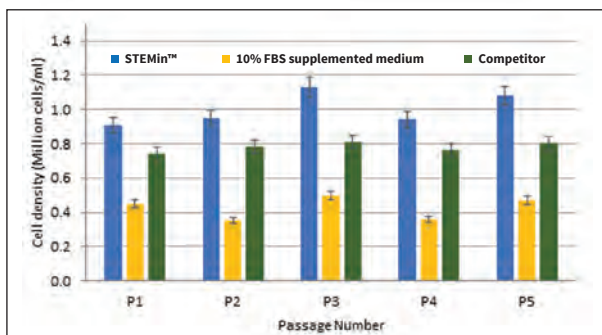


10% FBS supplemented medium

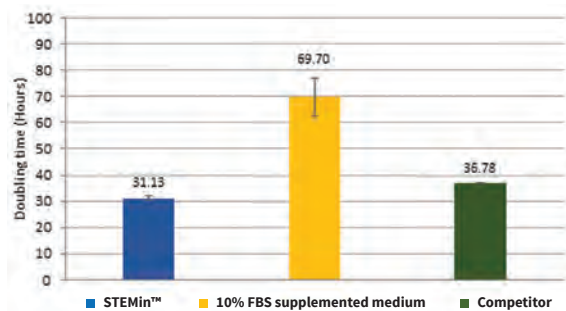


Competitor MSC-SFM

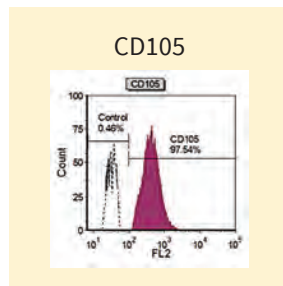
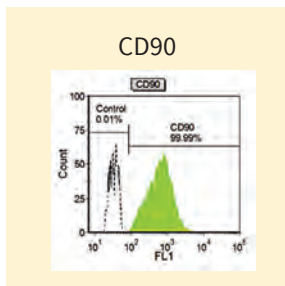
Supports high cell densities



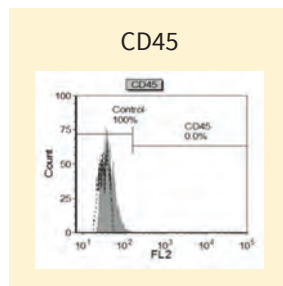
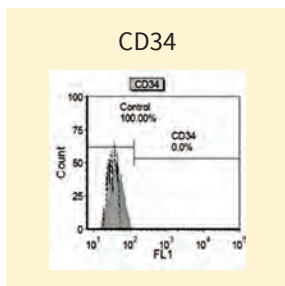
Faster growth and less doubling time



Positive markers > 95%



Negative markers < 5%



Product

Code

Packing

Expansion

STEMIn1™	New	AL520-500ML	500ml
A Defined, Serum-free, Xeno-free medium for expansion of human stem cells w/L-Glutamine and Sodium bicarbonate Part A: Basal medium *Part B: Growth Supplement (Store at -20°C)			

Attachment

STEMIn1™ Xeno-free Attachment Solution	New	TCL206-10ML	10ml 5x10ml
Suitable for xeno-free culture of stem cells (Store at -20°C)			

Recombinant Dissociation

STEMIn1™ Xeno-free, Recombinant Dissociation Solution	New	TCL208-100ML	100ml
Suitable for xeno-free culture of stem cells (Store at -20°C)			

STEMIn1™ Xeno-free Neutralizer	New	TCL209-100ML	100ml
Suitable for xeno-free culture of stem cells			

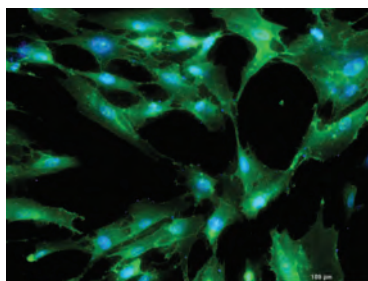
Cryopreservation

FREEZin1™	New	TCL098-50ML	50ml
w/ DMSO w/o Antibiotics, Antimycotics and Phenol red Sterile filtered (Store at -20°C)			

All the above products to be stored at 2 - 8°C unless indicated

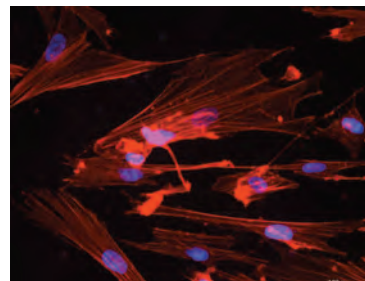
Mesenchymal Stem Cell (MSC) Platform

HiFi™ cells are performance tested using HiMedia media and reagents. We recommend using the product codes mentioned in individual product datasheets for optimum performance and reliability. Users must ensure proper handling, storage and use of the product. HiMedia is not liable for any damage to the culture arising from improper storage or mishandling. We DO NOT guarantee the performance of cells if any modifications are made to the mentioned protocols.



- Post-thaw viability > 80%.
- Characterized by marker expression of CD90⁺, CD105⁺, CD34⁻, CD45⁻ using FACS and immunocytochemistry of CD90⁺
- Ability of adipogenic, osteogenic and chondrogenic differentiation
- Sterility tested

HWJ-MSC immunostained with CD90-FITC antibody (10X)



- Expansion and Differentiation media with
- Consistent performance
 - High expansion capacity
 - Efficient differentiation capacity
 - Ability to retain Stem cell markers

HWJ-MSC immunostained with alpha-Actin-PE antibody 20X

Product	Code	Packing
Cells		
HiFi™ Bone Marrow Mesenchymal Stem Cells (HBM-MSCs) New	CL029-1.0	1.0million cells/vial
HiFi™ Human Wharton's Jelly Mesenchymal Stem Cells (HWJ-MSC) Isolated from Wharton's Jelly of human umbilical cords Optimized for use with AL512 and AL519	CL001-0.5	0.5 million cells/vial
	CL001-2X0.5	2x0.5 million cells/vial
	CL001-T25	1 T25 cm² flask
	CL001-2XT25	2 T25 cm² flasks
A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells		
HiFi™ Human Adipose Derived Mesenchymal Stem Cells (HAD-MSC) Isolated from human lipoaspirate Optimized for use with AL512 and AL519	CL007-0.5	0.5 million cells/vial
	CL007-2X0.5	2x0.5 million cells/vial
	CL007-T25	1 T25 cm² flask
	CL007-2XT25	2 T25 cm² flasks
A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells		
HiFi™ Human Dental Pulp Stem Cells (HDP-SC) Isolated from human dental pulp DPSCs display similar features to bone marrow derived stem cells. Optimized for use with AL512 and AL519	CL008-0.5	0.5 million cells/vial
	CL008-2X0.5	2x0.5 million cells/vial
	CL008-T25	1 T25 cm² flask
	CL008-2XT25	2 T25 cm² flasks
A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells		

Product	Code	Packing
Cell Culture Kits		
EZXpand™ Human Adipose-derived Mesenchymal Stem Cell Culture Kit	CCK024-0.5	0.5 million cells/vial
Part A: HiFi™ Human Adipose Derived Mesenchymal Stem Cells (HAD-MSC)	CCK024-T25	1 T25 cm² flask
Part B: HiMesoXL™ Mesenchymal Stem Cell Expansion Medium		
Part C: Antibiotic-Antimycotic Solution 1000X (Store Part C at -20°C)		
EZXpand™ Human Wharton's Jelly derived Mesenchymal Stem Cell Culture Kit	CCK025-0.5	0.5 million cells/vial
Part A: HiFi™ Human Wharton's Jelly Derived Mesenchymal Stem Cells (HWJ-MSC)	CCK025-T25	1 T25 cm² flask
Part B: HiMesoXL™ Mesenchymal Stem Cell Expansion Medium		
Part C: Antibiotic-Antimycotic Solution 1000X (Store Part C at -20°C)		

Expansion Media		
HiMesoXL™ Mesenchymal Stem Cell Expansion Medium w/ L-Glutamine and Sodium bicarbonate Classical medium for expansion of human mesenchymal stem cells isolated from Wharton's jelly, adipose tissue and dental pulp. Requires supplementation with 10% fetal bovine serum.	AL512-100ML	100ml
	AL512-500ML	500ml
HiMesoXL™ Mesenchymal Stem Cell Expansion Medium, Reduced Serum w/ L-Glutamine and Sodium bicarbonate A reduced serum medium for expansion of human mesenchymal stem cells. Part A: HiMesoXL™ Mesenchymal Stem Cell Expansion Medium, Basal Part B: HiMesoXL™ Mesenchymal Stem Cell Growth Supplement (Store at -20°C)	AL519-500ML	500ml

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Product	Code	Packing
HiPer® Dulbecco's Modified Eagle Medium, High Glucose w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL250A-500ML	500ml 2X500ml 6X500ml 20X500ml
HiPer® Dulbecco's Modified Eagle Medium, High Glucose w/ 4.5gms Glucose per litre, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL250-500ML	500ml 2x500ml 6x500ml 20x500ml

MSC Qualified Sera

Fetal Bovine Serum EU Approved, ES Cell tested Sterile filtered (Store at -20°C)	RM10435-500ML	500ml
Fetal Bovine Serum Mesenchymal Stem Cell Tested EU Approved, Sterile filtered (Store at -20°C)	RM10832-500ML	500ml
Fetal Bovine Serum Mesenchymal Stem Cell Tested USDA Approved, Sterile filtered (Store at -20°C)	RM10845-500ML	500ml
Fetal Bovine Serum Mesenchymal Stem Cell Tested Australia origin, Sterile filtered (Store at -20°C)	RM10846-500ML	500ml
Fetal Bovine Serum Mesenchymal Stem Cell Tested US origin, Sterile filtered (Store at -20°C)	RM10938-500ML	500ml

Differentiation Media

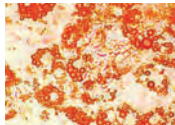

HiAdipoXL™ Adipocyte Differentiation Medium w/ L-Glutamine and Sodium bicarbonate For differentiation of human MSCs into adipocytes (fat cells) Contains: Part A: HiAdipoXL™ Adipocyte Differentiation Medium, Basal Part B: HiAdipoXL™ Adipocyte Differentiation Supplement (Store at -20°C)	AL521-100ML	100ml
HiOsteoXL™ Osteocyte Differentiation Medium w/ L-Glutamine and Sodium bicarbonate For differentiation of human MSCs into osteocytes (bone cells) Part A: HiOsteoXL™ Osteocyte Differentiation Medium, Basal Part B: HiOsteoXL™ Osteocyte Differentiation Supplement (Store at -20°C)	AL522-100ML	100ml
HiChondroXL™ Chondrocyte Differentiation Medium w/ L-Glutamine and Sodium bicarbonate For differentiation of human MSCs into chondrocytes (cartilage cells) Part A: HiChondroXL™ Chondrocyte Differentiation Medium, Basal Part B: HiChondroXL™ Chondrocyte Differentiation Supplement (Store at -20°C)	AL523-100ML	100ml

Product	Code	Packing
Differentiation Supplements		
HiAdipoXL™ Adipocyte Differentiation Supplement For differentiation of human MSCs into adipocytes (fat cells) (Store at -20°C)	TCL167-1NO	1 no for 100ml of basal medium
HiOsteoXL™ Osteocyte Differentiation Supplement For differentiation of human MSCs into osteocytes (bone cells) (Store at -20°C)	TCL168-1NO	1 no for 100ml of basal medium
HiChondroXL™ Chondrocyte Differentiation Supplement For differentiation of human MSCs into chondrocytes (cartilage cells) (Store at -20°C)	TCL169-1NO	1 no for 100ml of basal medium

Differentiation Media for preadipocytes

HiAdipoXL™ Adipogenic Differentiation Medium for 3T3-L1 cells Part A: Basal Medium Part B: Adipogenic differentiation supplement 1 (Store at -20°C) Part C: Adipogenic differentiation supplement 2 (Store at -20°C)	AL537-100ML	100ml
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Differentiation Kits

HiDiff™ Adipogenesis Assay Kit Ready-to-use kit for differentiation of preadipocytes (3T3-L1) into adipocytes and staining of the differentiated adipocytes  Lipid droplets in 3T3-L1 cells differentiated into adipocytes stained red in colour by Oil Red O (40X)	CCK011-100NO	Kit for 100 tests
HiDiff™ Osteogenesis Assay Kit Ready-to-use kit for differentiation of preosteocytes (MC3T3-E1) into osteocytes and staining of the differentiated osteocytes  Calcium deposits in MC3T3-E1 cells differentiated into osteocytes stained red in colour by Alizarin Red S (20X)	CCK049-100NO	Kit for 100 tests

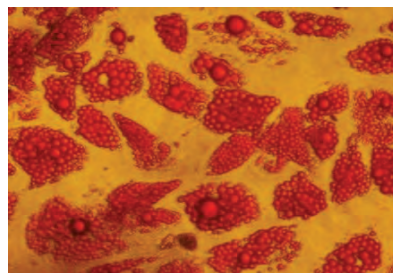
Freezing Medium

CryoXL™ Stem Cell Freezing Medium w/ FBS and DMSO w/o Antibiotics Sterile filtered (Store at -20°C)	TCL107-50ML	50ml
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Launching soon

CD34+ Hematopoietic Stem Cells

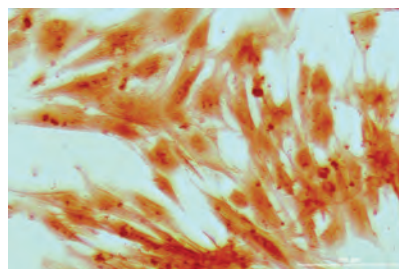
Product	Code	Packing
Staining Kits		
EZstain™ Adipocyte Staining Kit EZstain™ Adipocyte Staining Kit is a ready-to-use kit for staining and quantitation of adipocytes by Oil Red O. Kit Contents: Part A: Washing solution Part B: Fixing solution Part C: Permeabilization Solution Part D: Oil-Red-O staining solution Store at 15-30°C	CCK013-1KT	1 kit
EZstain™ Chondrocyte Staining Kit EZstain™ Chondrocyte Staining Kit is a ready-to-use kit developed for detection of chondrocytes by staining the proteoglycan produced by them with Alcian blue. Kit Contents: Part A: Washing solution Part B: Fixing solution Part C: Staining Solution Store at 15-30°C	CCK029-1KT	1 kit
EZstain™ Osteocyte Staining Kit EZstain™ Osteocyte Staining Kit is a ready-to-use kit developed for visualization of osteocytes in cultured cells or tissue sections. Kit Contents: Part A: Washing solution Part B: Fixing solution Part C: Staining Solution Store at 15-30°C	CCK030-1KT	1 kit
EZstain™ Alkaline Phosphatase Staining Kit New EZstain™ Alkaline Phosphatase staining kit is ready to use kit developed for visualization of osteocyte based on their Alkaline Phosphatase activity Kit Contents: Part A: Washing solution Part B: Washing buffer Part C: Fixing solution Part D: Substrate Store at 15-30°C	CCK077-1KT	1kit



HWJ-MSC (CL001) grown in HiMesoXL™ Mesenchymal Stem Cell Expansion Medium (AL512) and differentiated into adipocytes using HiAdipoXL™ Adipocyte Differentiation Medium (AL521) and stained with EZstain™ Adipocyte Staining Kit (CCK013).



HWJ-MSC (CL001) grown in HiMesoXL™ Mesenchymal Stem Cell Expansion Medium (AL512) and differentiated into chondrocytes using HiChondroXL™ Chondrocyte Differentiation Medium (AL523) and stained with EZstain™ Chondrocyte Staining Kit (CCK029).

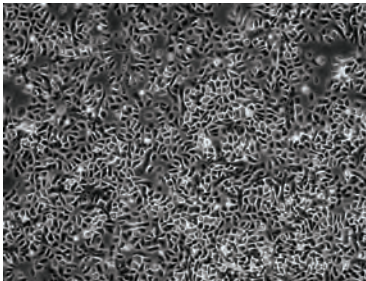


HWJ-MSC (CL001) grown in HiMesoXL™ Mesenchymal Stem Cell Expansion Medium (AL512) and differentiated into osteocytes using HiOsteoXL™ Osteocyte Differentiation Medium (AL522) and stained with EZstain™ Osteocyte Staining Kit (CCK030).

Culture vessel	No. of tests performed using 1 kit
96-well plate	260
48-well plate	130
24-well plate	60
12-well plate	40
6-well plate	20

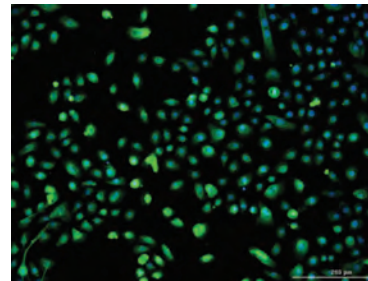
Applicable to EZstain™ Adipocyte and EZstain™ Osteocyte Staining Kit

Keratinocyte Platform



- Post-thaw viability > 80%.
- Characterized by marker expression of Cytokeratin 5 by immunocytochemistry
- Sterility tested

Phase contrast microscopy of HAEC (10X)



- Ideal *in vitro* models to study
- Wound healing mechanisms
 - Skin oncology drug trials

HAEC immuno stained with cytokeratin 5-FITC (10X)

Product	Code	Packing
Cells		
HiFi™ Human Adult Epidermal Keratinocytes (HAEC) Isolated from adult human skin Optimized for use with AL524	CL006-0.5	0.5 million cells/vial
	CL006-2X0.5	2x 0.5 million cells/vial
	CL006-T25	1 T25 cm ² flask
	CL006-2XT25	2 T25 cm ² flasks
A confluent T25 flask yields approximately 1 - 1.5 X 10 ⁶ cells		
HiFi™ Human Epidermal Keratinocytes from Juvenile Foreskin Isolated from human juvenile foreskin Optimized for use with AL524	CL009-0.5	0.5 million cells/vial
	CL009-2X0.5	2x 0.5 million cells/vial
	CL009-T25	1 T25 cm ² flask
	CL009-2XT25	2 T25 cm ² flasks
A confluent T25 flask yields approximately 1 - 1.5 X 10 ⁶ cells		
Expansion Medium		
HiKeratioXL™ Keratinocyte Expansion Medium, Serum Free w/L-Glutamine and Sodium bicarbonate Part A: HiKeratioXL™ Keratinocyte Expansion Medium, Basal Part B: HiKeratioXL™ Keratinocyte Growth Supplement (Store at -20°C) Part C : Bovine Pituitary Extract (Store at -20°C)	AL524-500ML	500ml

Your Preferred Choice of Media

HiKeratioXL™ Keratinocyte Expansion Medium (AL524)

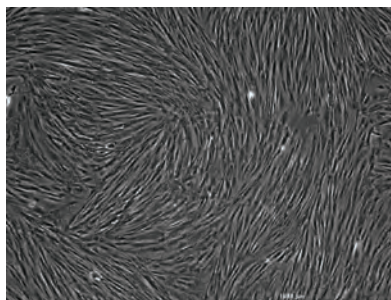
- Serum-free formulation
- Enables feeder-free culture
- Increases culture longevity
- Preserves cell morphology
- Improves viability
- Stringent quality control ensures optimum performance



HiKeratioXL™ Keratinocyte Expansion Medium, Serum Free - AL524

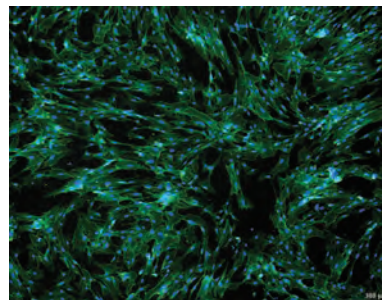
- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Fibroblast Platform



Phase contrast microscopy of HADF (10X)

- Post-thaw viability > 80%
- Characterized by marker expression of CD90+ using FACS and immunocytochemistry
- Sterility tested



HADF immuno stained with CD90-FITC (10X)

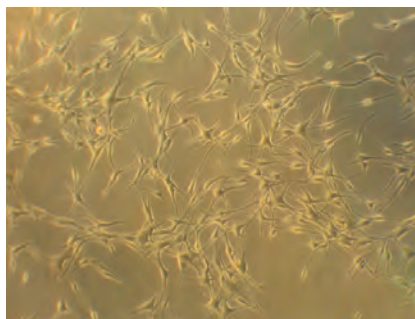
- Ideal as feeder layer for embryonic stem cells
- Cellular models to study cell signaling pathways and skin diseases

Product	Code	Packing
Cells		
HiFi™ Human Adult Dermal Fibroblasts (HADF) Isolated from adult human skin. Optimized for use with AL525	CL005-0.5	0.5 million cells/vial
	CL005-2X0.5	2x 0.5 million cells/vial
	CL005-T25	1 T25 cm ² flask
	CL005-2XT25	2 T25 cm ² flasks
A confluent T25 flask yields approximately 1.5 - 2.0 X 10 ⁶ cells		
HiFi™ Human Dermal Fibroblasts from Juvenile Foreskin Isolated from juvenile foreskin. Optimized for use with AL525	CL011-0.5	0.5 million cells/vial
	CL011-2X0.5	2x 0.5 million cells/vial
	CL011-T25	1 T25 cm ² flask
	CL011-2XT25	2 T25 cm ² flasks
A confluent T25 flask yields approximately 1.5 - 2.0 X 10 ⁶ cells		

Product	Code	Packing
Expansion Media		
HiFibroXL™ Fibroblast Expansion Medium, Reduced Serum w/L-Glutamine and Sodium bicarbonate A reduced serum medium for expansion of human adult and juvenile dermal fibroblasts Part A : HiFibroXL™ Fibroblast Expansion Medium, Basal (Store at -20°C) Part B : HiFibroXL™ Fibroblast Growth Supplement (Store at -20°C)	AL525-500ML	500ml
Culture Kit		
EZXpand™ Human Adult Dermal Fibroblast Culture Kit Part A: HiFi™ Human Dermal Fibroblasts (HADF) Part B: HiFibroXL™ Fibroblast Expansion Medium, Basal Part C: HiFibroXL™ Fibroblast Growth Supplement (Store at -20°C) Part D: Gentamicin-Amphotericin Solution 1000X (Store at -20°C)	CCK027-0.5 CCK027-T25	0.5 million cells/vial 1 T25 cm ² flask

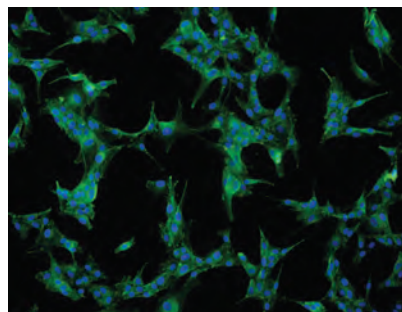
- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- Only cryopreserved vials will be supplied for locations with more than 72 hours transit time. Please enquire before placing an order
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Melanocyte Platform



Phase contrast microscopy of HAEM (10X)

- Post-thaw viability > 80%
- Characterized by marker expression of Mel 5 by immunocytochemistry
- Sterility tested



HAEM immuno stained with MEL 5-FITC (10X)

- Ideal in vitro model to study
- Pigmentation disorders.
 - Hair growth disorders

Product	Code	Packing
Cells		
HiFi™ Human Adult Epidermal Melanocytes (HAEM) Isolated from adult human skin. Melanocytes are used as models for melanoma research and in dermatology and pigmentation studies. They are also used in cosmetic research for testing and screening of skin compounds. Optimized for use with AL528	CL015-0.5	0.5 million cells/vial
	CL015-2X0.5	2x 0.5 million cells/vial
	CL015-T25	1 T25 cm ² flask
	CL015-2XT25	2 T25 cm ² flasks
A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells		
Check for availability		
HiFi™ Human Epidermal Melanocytes (HEM) from Juvenile Foreskin Isolated from human juvenile foreskin Optimized for use with AL528	CL022-0.5	0.5 million cells/vial
	CL022-2X0.5	2x 0.5 million cells/vial
	CL022-T25	1 T25 cm ² flask
	CL022-2XT25	2 T25 cm ² flasks

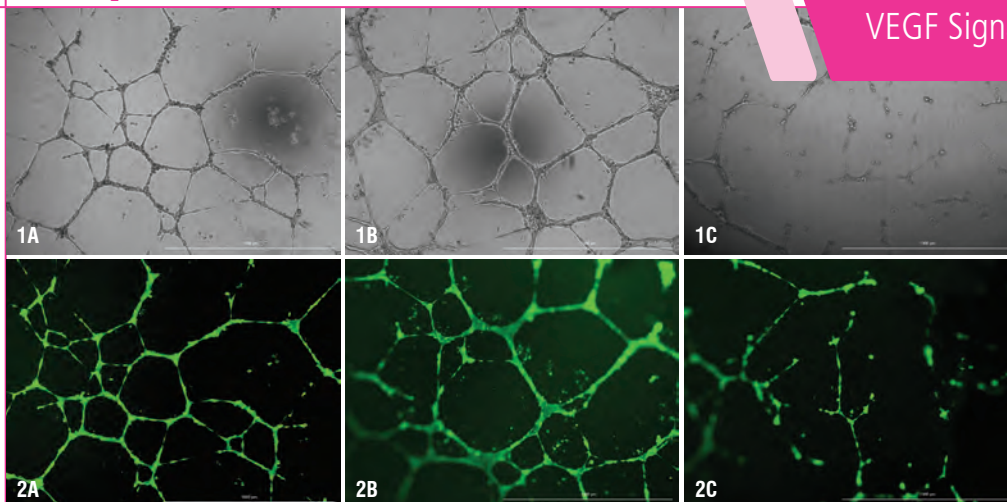
Product	Code	Packing
Isolation Kit		
HiSep® Melanocyte Isolation Kit HiSep® Melanocyte Isolation Kit provides an easy method for isolation of melanocytes from skin grafts. The kit facilitates to obtain a very high yield of cells in three simple steps involving enzymatic separation of dermis-epidermis, neutralization and culturing. Melanocytes obtained by this method can further be used for various research purposes. Kit Contents: a) Dissociation Mix b) Reconstitution Buffer c) Neutralizing Reagent d) Melanocyte Suspension Medium e) Conical bottom tube 15ml f) Petri plate	CCK001-1PR	1PR 5X1PR
	Expansion Medium	
HiMelanoXL™ Melanocyte Expansion Medium w/L-Glutamine and Sodium bicarbonate w/o PMA Expansion medium for human epidermal melanocytes Part A: HiMelanoXL™ Melanocyte Expansion Medium, Basal Part B: HiMelanoXL™ Melanocyte Growth supplement (Store at -20°C)	AL528-500ML	500ml

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- Only cryopreserved vials will be supplied for locations with more than 72 hours transit time. Please enquire before placing an order
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Endothelial Cell Platform

Introducing

Pre-screened HUVEC for VEGF Signaling & Angiogenesis



Qualified for stimulus dependent Angiogenesis & key endothelial signaling for VEGFR response

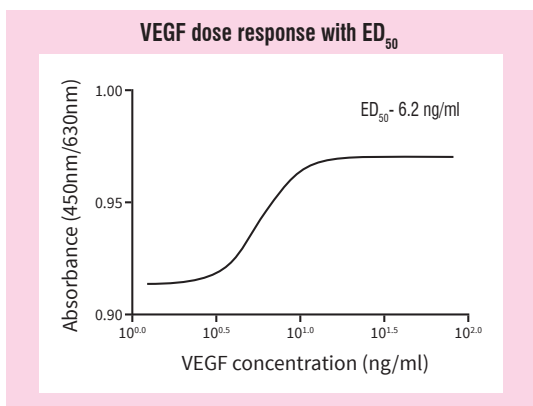
Ready to use cells for drug response, Cell migration, Tube formation and Invasion assays

Ideal model for pharmacological investigation, regenerative medicine and pathological stimuli

Morphogenesis of HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC), pre-screened for Angiogenesis
Cells were plated on wells precoated with Extracellular Matrix Gel and grown for 18 hours
1A, 1B, 1C - Tube formation in Untreated, VEGF treated and Angiogenesis inhibitor treated HUVEC - Phase contrast (4X)
2A, 2B, 2C - Tube formation in Untreated, VEGF treated and Angiogenesis inhibitor treated HUVEC stained with Calcein AM (4X)

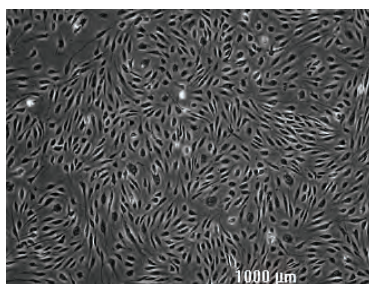
Product	Code	Packing
Prescreened HUVEC Platform		
HiFi™ Human Umbilical Vein Endothelial Cells, Single Donor, Prescreened for VEGF Signaling Optimized for use with AL530	New CL037-0.5	0.5million cells/vial
	CL037-2X0.5	2x 0.5 million cells/vial
HiFi™ Human Umbilical Vein Endothelial Cells, Single Donor, Prescreened for Angiogenesis Optimized for use with AL530	New CL038-0.5	0.5million cells/vial
	CL038-2X0.5	2x 0.5 million cells/vial

Product	Code	Packing
Angiogenesis Kit		
EZAssay™ Angiogenesis Cell Culture Kit (In Vitro) Simple and Qualitative tool for assessing angiogenesis. Easy monitoring of the ability of endothelial cells to form three deminsional tube like strucutres <i>in vitro</i> Kit contents : 1. Extracellular marix solution 2. 10X buffer solution 3. Inhibitor solution 4. Staining solution	New CCK081-100	(100 Tests in 96 well format)



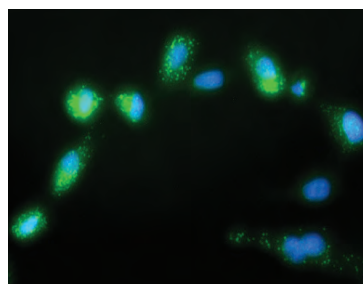
- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500





Phase contrast microscopy of HUVEC (10X)

- Tested for
- Post-thaw viability > 80%
 - Characterized by marker expression of CD31⁺ and vWF by FACS and immunocytochemistry
 - Sterility tested



HUVEC immuno stained with vWF-FITC (10X)

- Ideal *in vitro* model to study
- Angiogenesis
 - Inflammation
 - Microtubular information
 - Athero and arteriosclerosis

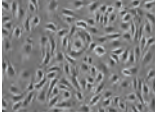
Product	Code	Packing
HUVEC - VEGF Platform		
Cells		
HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC), Single Donor Isolated from normal human umbilical vein of single donor. <i>Optimized for use with AL517</i> A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells	CL002-0.5	0.5 million cells/vial
	CL002-2X0.5	2x 0.5 million cells/vial
	CL002-T25	1 T25 cm² flask
	CL002-2XT25	2 T25 cm² flasks
Expansion Media		
HiEndoXL™ Endothelial Cell Expansion Medium, Reduced Serum w/VEGF, L-Glutamine and Sodium bicarbonate w/o BBE Part A: HiEndoXL™ Endothelial Cell Expansion Medium, Basal Part B: HiEndoXL™ Endothelial Cell Growth Supplement (<i>Store at -20°C</i>)	AL517-500ML	500ml
Basal Medium		
HiEndoXL™ Endothelial Cell Expansion Basal Medium w/L-Glutamine and Sodium bicarbonate	AL534-500ML	500ml
Growth Supplements		
HiEndoXL™ Endothelial Growth Supplement, Reduced Serum w/ VEGF w/o BBE A reduced serum growth supplement for <i>in vitro</i> expansion of endothelial cells To be used with AL534 (<i>Store at -20°C</i>)	TCL112-1N0	1 no for 500ml of basal medium

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Product	Code	Packing
Culture Kit		
EZXpand™ Human Umbilical Vein Endothelial Cell Culture Kit Part A: HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC) Part B: HiEndoXL™ Endothelial Cell Expansion Medium, Basal Part C: HiEndoXL™ Endothelial Growth Supplement Part D: Gentamicin-Amphotericin B Solution 1000X Part E: EnVyzyme Easy, Part F: Gelatin solution 0.5%	CCK026-0.5	0.5 million cells/vial
	CCK026-T25	1 T25 cm² flask

HUVEC - Non-VEGF Platform		
Cells		
HiFi™ Human Umbilical Vein Endothelial cells (HUVEC), Single Donor Isolated in absence of exogenous recombinant VEGF <i>Optimized for use with AL530</i> A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells	CL019-0.5	0.5 million cells/vial
	CL019-2X0.5	2x 0.5 million cells/vial
	CL019-T25	1 T25 cm² flask
	CL019-2XT25	2 T25 cm² flasks
Expansion Media		
HiEndoXL™ Endothelial Cell Expansion Medium, Reduced Serum w/L-Glutamine and Sodium bicarbonate w/o BBE and VEGF Part A: HiEndoXL™ Endothelial Cell Expansion Medium, Basal Part B: HiEndoXL™ Endothelial Cell Growth Supplement (<i>Store at -20°C</i>)	AL530-500ML	500ml
Growth Supplements		
HiEndoXL™ Large Vessel Endothelial Growth Supplement, Reduced Serum w/o BBE and VEGF Suitable for culture systems where VEGF may interfere with the experimental set up To be used with AL534 (<i>Store at -20°C</i>)	TCL113-1N0	1 no for 500ml of basal medium

Product	Code	Packing
Culture Kit		
EZXpand™ Human Umbilical Vein Endothelial Cell Culture Kit (w/o VEGF)	CCK066-0.5	0.5 million cells/vial
Part A: HiFi™ Human Umbilical Vein Endothelial Cells (w/o VEGF)	CCK066-T25	1 T25 cm² flask
Part B: HiEndoXL™ Endothelial Cell Expansion Medium, Basal		
Part C: HiEndoXL™ Endothelial Growth Supplement (w/o VEGF)		
Part D: Gentamicin-Amphotericin B Solution 1000X		
Part E: EnVzyme Easy,		
Part F: Gelatin solution 0.5%		

HUAEC		
Cells		
HiFi™ Human Umbilical Artery Endothelial cells (HUAEC)	CL017-0.5	0.5 million cells/vial
Isolated from normal human umbilical artery of single donor. Optimized for use with AL517	CL017-2X0.5	2x 0.5 million cells/vial
 <p>Phase contrast microscopy of HUAEC (10X)</p>	CL017-T25	1 T25 cm² flask
	CL017-2XT25	2 T25 cm² flasks
	A confluent T25 flask yields approximately 1.5 - 2X10 ⁶ cells	

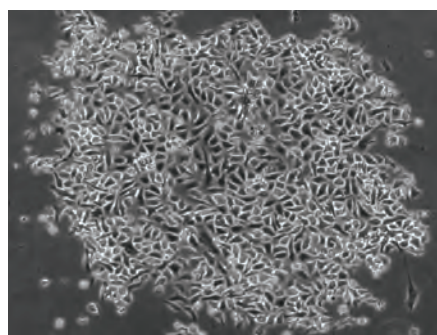
Product	Code	Packing
Microvascular Expansion Medium		
HiEndoXL™ Microvascular Endothelial Cell Expansion Medium, Reduced Serum	AL527-500ML	500ml
w/L-Glutamine and Sodium bicarbonate w/o BBE		
Part A: HiEndoXL™ Microvascular Endothelial Cell Expansion Medium, Basal		
Part B: HiEndoXL™ Microvascular Endothelial Cell Growth Supplement (Store at -20°C)		

Endothelial Dissociation Solutions		
EnVzyme™ Easy	TCL137-100ML	100ml
For easy to dissociate cells (Store at -20°C)	TCL137-500ML	500ml

Trypsin Inhibitor from Soyabean 1X, Liquid	TCL068-100ML	100ml
w/ 1mg/ml of Trypsin inhibitor in Dulbecco's Phosphate Buffered Saline		5x100ml

Endothelial Attachment Solutions		
Gelatin Solution 0.5%	TCL109-100ML	100ml
w/ 0.5% Type B Gelatin from bovine skin in sterile tissue culture grade water Store at 15-30°C		
Gelatin Solution 2%	TCL059-100ML	100ml
w/ 2% Type B Gelatin from bovine skin in sterile tissue culture grade water Store at 15-30°C		

Mammary Epithelial Cell Platform



Phase contrast microscopy of HMEC (10X)

- Post-thaw viability > 80%
- Characterized by marker expression of Cytokeratin 14⁺, Cytokeratin 18⁺ and Cytokeratin 19⁺ by immunocytochemistry
- Sterility tested

Product	Code	Packing
Cells		
HiFi™ Human Mammary Epithelial Cells (HMEC)	CL014-0.5	0.5 million cells/vial
HiFi™ HMEC are normal human mammary epithelial cells isolated from tissues obtained after reduction mammoplasty. These cells act as excellent models for research on breast cancer and cellular transformation studies. Optimized for use with AL529	CL014-T25	1 T25 cm² flask
	CL014-2XT25	2 T25 cm² flasks
A confluent T25 flask yields approximately 1.0 - 1.5 X 10 ⁶ cells		

Expansion Medium		
HiEpiXL™ Mammary Epithelial Cells Expansion Medium	AL529-500ML	500ml
w/L-Glutamine and Sodium bicarbonate		
Part A: HiEpiXL™ Mammary Epithelial Cells Expansion Medium, Basal		
Part B: HiEpiXL™ Mammary Epithelial Cells Growth Supplement (Store at -20°C)		
Part C: Bovine Pituitary Extract (Store at -20°C)		

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Peripheral Blood Cell Platform

Introducing

smarT™ T Cell Expansion Medium



Manufactured in
GMP, ISO13485 and
ISO 9001 certified
facility

Serum Free,
Xeno Free
medium

Robust growth
and expansion
capacity

Define medium-
enhances
reproducibility

A Complete, Serum free (SF), Xeno-free (XF) system
for in vitro culture of human T cells

ACC

Activation potential

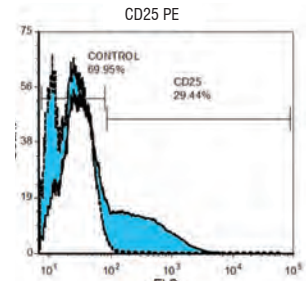
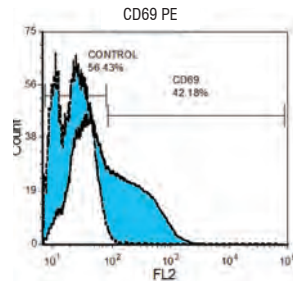
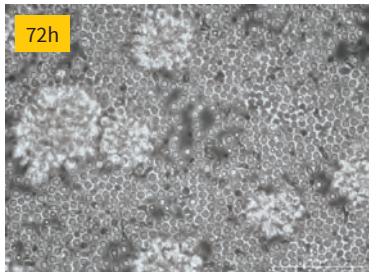
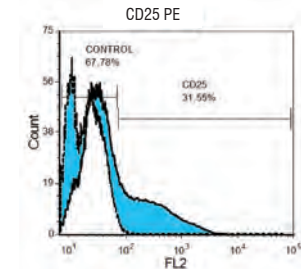
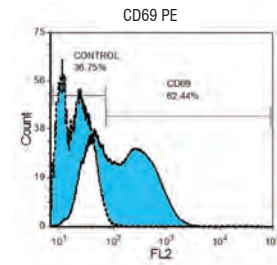
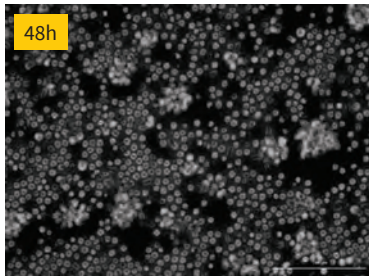
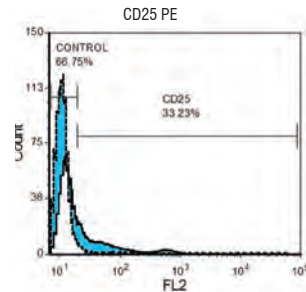
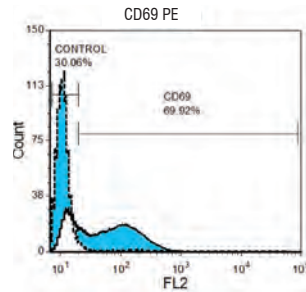
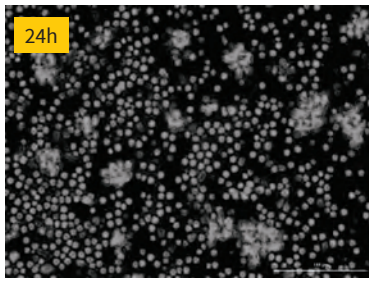


Fig 1 : T cells isolated from Peripheral Blood Mononuclear cells showing activation by adding human anti-CD3/OKT3 clone and anti-CD28 antibody for 24h, 48h and 72h. T cells were visualized under microscope and activation was checked on flow cytometer by surface expression of CD69 and CD25.

Product	Code	Packing
Expansion		
smarT™ T cell Expansion Medium, Research grade	New AL541-500ML	500ml
A Serum-free, Xeno-free medium for expansion of human T cells w/L-Glutamine and Sodium bicarbonate	AL541-1000ML	1000ml
Part A : Basal Medium		
Part B : Growth Supplement (Store at -20°C)		

Supports high cell densities

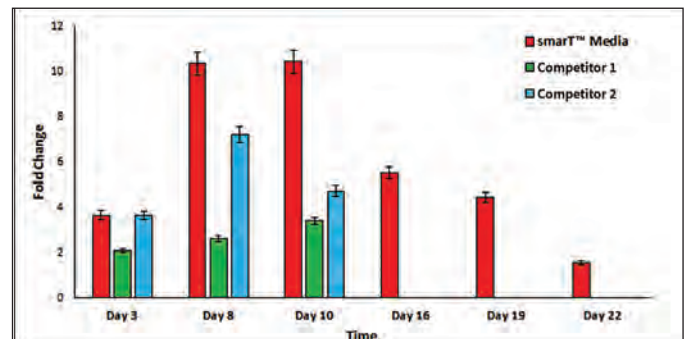


Fig 2 : Viable cell fold increase of isolated T cells in smarT™



Characterized PBMCs and pure subpopulations for ADCC and reporter assays

We deliver
freshly

More than
90%
viability

More than
90%
Pure
population

Tested
for
Mycoplasma,
HIV, HBV, HCV

isolated

PBMC's in

24 hours

Normal Human PBMCs

Comprehensive portfolio of normal peripheral blood mononuclear cells (PBMCs)

Isolated from healthy donors

PBMCs, Single donor

Available 2 billion PBMCs

Purified Cell Subsets

Ideal for biopharma researchers to perform functional cell based assays

Manufactured using optimized methods to ensure high purity

Human Peripheral Blood Mononuclear Cells (PBMC)
Single Donor and Pooled

CL003

CD56 and **CD16** tested PBMC
Single Donor

CL027

Human **OKT3** tested PBMC
Single Donor

CL028

Human **CD45**, **CD3**, **CD8**, **CD4** and **CD19** tested PBMC
Single Donor

CL031

Human **CD4+ T cells**

Single Donor
Bead free immunomagnetic positive isolation

CL032

Human **NK cells**

Single Donor
Bead free immunomagnetic negative isolation

CL033

Human **dendritic cells**

Single Donor
Bead free immunomagnetic negative isolation

CL036

Human **CD3+ T cells**

Single Donor
Bead free immunomagnetic positive isolation

CL039

Human **CD8+ T cells**

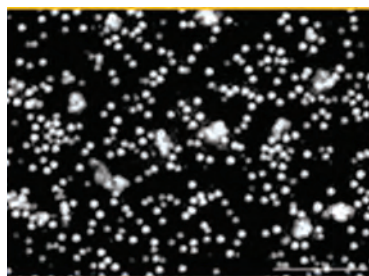
Single Donor
Bead free immunomagnetic positive isolation

CL042

Human **CD14+Monocytes**

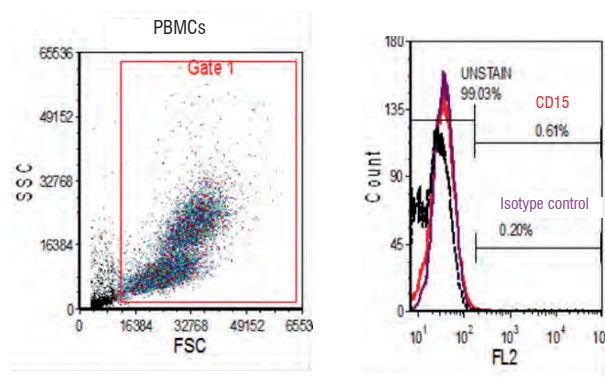
Single Donor

CL044



Peripheral Blood Mononuclear Cells

- Post-thaw viability > 90%
- Characterized by marker expression of CD45, CD3, CD4, CD8, CD14, CD15, CD16, CD19 and CD56 using FACS
- Sterility tested



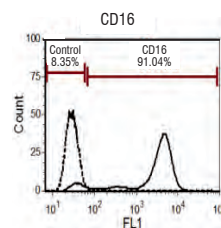
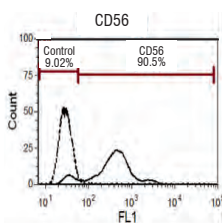
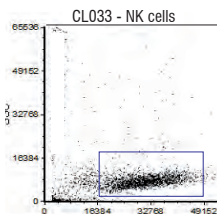
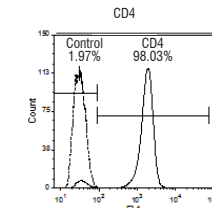
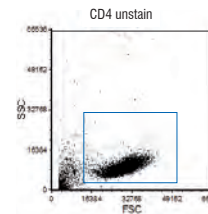
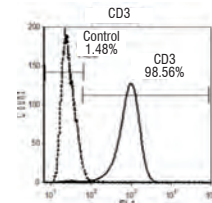
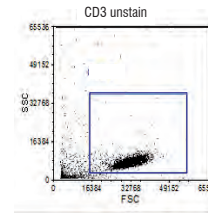
Product	Code	Packing
Human Peripheral Blood Mononuclear Cells		
HiFi™ Human Peripheral Blood Mononuclear Cells (H-PBMC), Single Donor <ul style="list-style-type: none"> • Isolated from peripheral whole blood obtained from a single donor. • Contain normal mixture of lymphocytes, monocytes, macrophages and stem cells. • Good model system to study immunogenic behavior of cells in response to external stimuli, migration of macrophages, phagocytosis, etc. 	CL003-25	25 million cells/ vial
	CL003-2X25	2x25 million cells/ vial
	CL003-10	10 million cells/ vial
	CL003-3X10	3x10 million cells/ vial
	CL003-80X25	80x25 million cells/ vial
HiFi™ Human Peripheral Blood Mononuclear Cells (H-PBMC), Pooled <ul style="list-style-type: none"> • Isolated from peripheral whole blood pooled from different donors. • Contain normal mixture of lymphocytes, monocytes, macrophages and stem cells. • Good model system to study immunogenic behavior of cells in response to external stimuli, migration of macrophages, phagocytosis, etc. 	CL010-25	25 million cells/vial
	CL010-2x25	2x25 million cells/vial
	CL010-10	10 million cells/vial
	CL010-3X10	3x10 million cells/vial
CD56 and CD16 Tested		
HiFi™ Human CD56 and CD16 tested PBMC Single Donor <ul style="list-style-type: none"> • Isolated from peripheral whole blood obtained from a single donor. • Contain normal mixture of lymphocytes and monocytes. • Tested for presence of CD56 and CD16 cells by flow cytometry. • Good model system to study immune response and functional studies. 	CL027-T25	25 million cells/ T25 flask
	CL027-2XT25	2xT25 million cells/ T25 flask
	CL027-25	25 million cells/ vial
	CL027-2X25	2x25 million cells/ vial

Product	Code	Packing
OKT Tested		
HiFi™ Human OKT tested PBMC Single Donor <ul style="list-style-type: none"> • Isolated from peripheral whole blood obtained from a single donor. • Contain normal mixture of lymphocytes and monocytes. • Cells are validated for response to OKT 3 antibody 	CL028-25	25 million cells/ vial
	CL028-10	10 million cells/ vial
CD45, CD3, CD8, CD4 and CD19 Tested		
HiFi™ Human CD45, CD3, CD8, CD4 and CD19 tested PBMC Single Donor <ul style="list-style-type: none"> • Isolated from peripheral whole blood obtained from a single donor. • Contain normal mixture of lymphocytes and monocytes. • Tested for CD45, CD3, CD4, CD8 and CD19 cells by flow cytometry. • Good model system to study immune response and functional studies. 	CL031-T25	25 million cells/ T25 flask
	CL031-25	25 million cells/ vial

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

T Cells

Product	Code	Packing
HiFi™ Human CD4+ T cells Single Donor (Bead free immunomagnetic positive isolation) <ul style="list-style-type: none"> Isolated from peripheral blood mononuclear cells of healthy donor using positive immunomagnetic selection method. Cells are bead free suitable for functional studies 	CL032-10	10 million cells/ vial
HiFi™ Human Peripheral blood CD3+ T cells (Bead free immunomagnetic negative isolation, single donor) <ul style="list-style-type: none"> Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. Cells are bead free suitable for functional studies 	CL039-10 CL039-T25	10million cells/vial 10 million cells/flask
HiFi™ Human Peripheral blood CD3+ T cells (Bead free immunomagnetic negative isolation, pooled) <ul style="list-style-type: none"> Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. Cells are bead free suitable for functional studies 	CL041-10 CL041-T25 CL041-2XT25 CL041-4XT25	10 million cells/ vial 10 million cells/ flask 10 million cells/ flask 10 million cells/ flask
HiFi™ Human Peripheral blood CD8+ T cells (Bead free immunomagnetic negative isolation, single donor) <ul style="list-style-type: none"> Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. Cells are bead free suitable for functional studies 	CL042-5 CL042-T25	5 million cells/ vial 5 million cells/ flask
NK Cells		
HiFi™ Human NK cells, Single Donor (Bead free immunomagnetic negative isolation) <ul style="list-style-type: none"> Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. Cells are bead free suitable for functional studies 	CL033-5	5 million cells/ vial



For Bulk pricing, contact your local representative or email atc@himedialabs.com

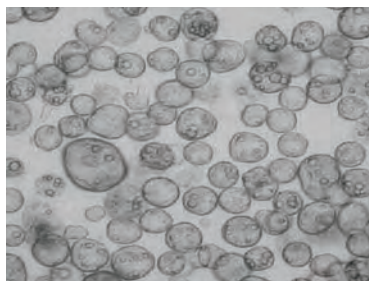
Product	Code	Packing
Dendritic Cells		
HiFi™ Human dendritic cells (bead free immunomagnetic negative isolation, single donor) <ul style="list-style-type: none"> Isolated and enriched from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. Cells are bead free suitable for functional studies 	CL036-1.0 CL036-2.5	1.0 million cells/vial 2.5 million cells/vial
HiFi™ Monocyte derived Dendritic cells from Human peripheral blood mononuclear cells, single donor <p>Monocytes are isolated from peripheral blood mononuclear cells and induced by cytokines to derive dendritic cells</p>	CL045-2	2 million cells/ vial
Monocytes		
HiFi™ Human periferal blood CD14+ monocytes, single donor <p>Cells are isolated from peripheral blood mononuclear cells and tested for CD14+ expression</p>	CL044-5	5 million cells/ vial

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Primary Cryopreserved Hepatocytes

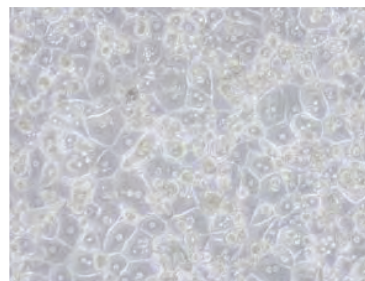
Introducing

Cryopreserved primary hepatocytes suspension and plateable certified for metabolism, induction and transporters



Tested for
• Post-thaw viability > 90%
• Sterility tested

Human Cryopreserved Hepatocytes Suspension



Ideal *in vitro* model to study
• to study metabolic, induction and transporter markers (characterized for CYP450 drug-metabolizing enzyme activity, UGT and SULT activities and transporters)

Human Cryopreserved Hepatocytes Plateable

PLATEABLE HEPATOCYTES - Analysis Certificate

Plateable Hepatocytes are characterized for CYP450 drug-metabolizing enzyme activity (Phase I), UGT & SULT activities (Phase II), and transporters.

DONOR DEMOGRAPHICS

Species	Sex	Race	Age	BMI	Smoker	Alcohol Use	Drug Use
Human	Male	Caucasian	69	23	No	No	No

Pathology	Medication	Serological Data
Colorectal cancer hepatic metastases	Enalapril	Tested negative less than 3 months before surgery

Post Thaw Lot information

Number of viable cells/vial: 5.6 ± 0.2 * 10 ⁶ (n=2)	Monolayer assessment* Plateability: YES
Post thaw viability (%): 92.6 ± 2.2 (n=2)	Seeding density in 24 well plate recommended: 0.3 * 10 ⁶ cells/well in 0.5 ml

Cell morphology 24h	Cell morphology 72h

INDUCTION (SPECIFIC ACTIVITY)

Enzyme	BASAL activity (pmol/min/mg protein) ON DAY 1	Basal activity (pmol/min/mg protein) ON DAY 4	Induced activity (pmol/min/mg protein) ON DAY 4	n-Fold INDUCTION
CYP1A2	11.52±1.69	1.95±0.06	341.56±84.99	175.08
CYP2B6	13.19±0.31	8.09±0.81	74.83±5.34	9.25
CYP3A4	13.73±0.54	0.94±0.12	20.71±5.20	21.93

CYP (mRNA)	n-Fold INDUCTION
CYP1A2	11
CYP2B6	22
CYP3A4	191

ENZYME	CONJUGATE	pmol/min/mg
UGT	7-OH coumarin glucuronide	487.38 ± 56.45
SULT	7-OH coumarin sulfate	33.56 ± 3.72

3D Certification

Available categories	Suspension single donor	Suspension pooled donor	Metabolism certified (metabolic stability)	Induction certified (phenotyping and CYP inhibition)	Transporters certified (uptake transporters)
Product Code	HuCS	CL040	HuCPM	HuCPI	HuCPT

Product	Code	Packing
Human		
Human Cryopreserved Hepatocytes Suspension, Single donor New	HUCS-2	2 million cells/vial
	HUCS-4	4 million cells/vial
	HUCS-6	6 million cells/vial
Human Cryopreserved Hepatocytes Plateable – Metabolism certified, single donor New	HUCPM-2	2 million cells/vial
	HUCPM-4	4 million cells/vial
	HUCPM-6	6 million cells/vial
Human Cryopreserved Hepatocytes Plateable – Induction certified, Single donor New	HUCPI-2	2 million cells/vial
	HUCPI-4	4 million cells/vial
	HUCPI-6	6 million cells/vial
Human Cryopreserved Hepatocytes Plateable – Transporter certified, single donor New	HUCPT-2	2 million cells/vial
	HUCPT-4	4 million cells/vial
	HUCPT-6	6 million cells/vial
Monkey		
Cynomolgus Cryopreserved Hepatocytes ,Suspension, single donor New	CHCS-2	2 million cells/vial
	CHCS-4	4 million cells/vial
	CHCS-6	6 million cells/vial
Cynomolgus Cryopreserved Hepatocytes,Plateable single donor New	CHCP-2	2 million cells/vial
	CHCP-4	4 million cells/vial
	CHCP-6	6 million cells/vial
Cynomolgus Cryopreserved Hepatocytes,Plateable – Induction certified, single donor New	CHCP-I-2	2 million cells/vial
	CHCP-I-4	4 million cells/vial
	CHCP-I-6	6 million cells/vial
Cynomolgus Cryopreserved Hepatocytes,Plateable – Ind and Transporter certified,single donor New	CHCP-I-T-2	2 million cells/vial
	CHCP-I-T-4	4 million cells/vial
	CHCP-I-T-6	6 million cells/vial

Product	Code	Packing
Cynomolgus Cryopreserved Hepatocytes - Plateable – Induction certified, pooled New	CHCP-I-Pool-4	4 million cells/vial
	CHCP-I-Pool-6	6 million cells/vial
Rat		
Rat Cryopreserved Hepatocytes Plateable-Induction certified ,single donor New	RHCP-I-6	6 million cells/vial
Göttingen Minipig		
Göttingen Minipig Cryopreserved Hepatocytes Plateable, single donor New	GMHCP-2	2 million cells/vial
	GMHCP-4	4 million cells/vial
	GMHCP-6	6 million cells/vial
Göttingen Minipig Cryopreserved Hepatocytes Plateable-Induction ,single donor certified New	GMHCP-I-2	2 million cells/vial
	GMHCP-I-4	4 million cells/vial
Beagle		
Beagle Cryopreserved Hepatocytes Suspension ,single donor New	BHCS-2	2 million cells/vial
	BHCS-4	4 million cells/vial
	BHCS-6	6 million cells/vial
Beagle Cryopreserved Hepatocytes Plateable ,single donor New	BHCP-2	2 million cells/vial
	BHCP-4	4 million cells/vial
	BHCP-6	6 million cells/vial
Beagle Cryopreserved Hepatocytes Plateable-Induction certified ,single donor New	BHCP-I-2	2 million cells/vial
	BHCP-I-4	4 million cells/vial
	BHCP-I-6	6 million cells/vial
Beagle Cryopreserved Hepatocytes Plateable-Induction and Transporter certified ,single donor New	BHCP-I-T-2	2 million cells/vial
	BHCP-I-T-4	4 million cells/vial
	BHCP-I-T-6	6 million cells/vial
Beagle Cryopreserved Hepatocytes Plateable-Induction certified-pool of 3 New	BHCP-I-Pool-4	4 million cells/vial
	BHCP-I-Pool-6	6 million cells/vial

- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

ACC

Product	Code	Packing
Horse		
Horse Cryopreserved Hepatocytes Suspension ,single donor New	EHCS-2	2 million cells/vial
	EHCS-4	4 million cells/vial
	EHCS-6	6 million cells/vial
Horse Cryopreserved Hepatocytes Plateable-Induction certified ,single donor New	EHCP-2	2 million cells/vial
	EHCP-4	4 million cells/vial
	EHCP-6	6 million cells/vial
Sheep: Suffolk		
Suffolk Cryopreserved Hepatocytes Suspension ,single donor New	SHCS-2	2 million cells/vial
Chicken		
Chicken Cryopreserved Hepatocytes Suspension ,single donor New	PHCS-2	2 million cells/vial
	PHCS-4	4 million cells/vial
Duck: Mallard Duck		
Mallard Duck Cryopreserved Hepatocytes Suspension ,single donor New	DHCS-6	6 million cells/vial

Product	Code	Packing
Turkey		
Turkey Cryopreserved Hepatocytes Suspension ,single donor New	THCS-2	2 million cells/vial
	THCS-4	4 million cells/vial
	THCS-6	6 million cells/vial
Rainbow Trout		
Rainbow Trout Cryopreserved Hepatocytes Suspension, single donor New	FHCS-2	2 million cells/vial
	FHCS-4	4 million cells/vial
	FHCS-6	6 million cells/vial
Rainbow Trout Cryopreserved Hepatocytes Suspension -male, female or mixed gender pool of 3-6 animals New	RTHCS-4	4 million cells/vial
	RTHCS-6	6 million cells/vial
Atlantic Salmon		
Atlantic Salmon Cryopreserved Hepatocytes Suspension, single donor New	ASHCS-4	4 million cells/vial

- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- * Inclusive of liquid nitrogen shipping charges of Rs 4500

Cytokines and Growth Factors

Product	Code	Packing
Albumin		
Human Recombinant Serum Albumin Cell Culture Tested Assay : ≥96% Store at -20°C	CF001-1G	1gm
Activin		
Human Recombinant Activin A Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF002-10MCG CF002-50MCG	10mcg 50mcg
Bone Morphogenetic Proteins (BMP)		
Human Recombinant Bone morphogenetic protein-2 Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF003-2MCG CF003-10MCG CF003-100MCG	2mcg 10mcg 100mcg
Murine Recombinant Bone morphogenetic protein-2 Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF004-2MCG CF004-10MCG CF004-50MCG CF004-100MCG	2mcg 10mcg 50mcg 100mcg
Human Recombinant Bone morphogenetic protein-3 Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF005-10MCG CF005-50MCG CF005-100MCG	10mcg 50mcg 100mcg
Human Recombinant Bone morphogenetic protein-4 Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF006-2MCG CF006-10MCG CF006-100MCG	2mcg 10mcg 100mcg
Human Recombinant Bone morphogenetic protein-5 Source : CHO cells Cell Culture Tested Store at -20°C	CF007-2MCG CF007-10MCG CF007-100MCG	2mcg 10mcg 100mcg
Human Recombinant Bone morphogenetic protein-6 Source : HEK cells Cell Culture Tested Store at -20°C	CF008-2MCG CF008-10MCG CF008-100MCG	2mcg 10mcg 100mcg
Human Recombinant Bone morphogenetic protein-7 Source : CHO cells Cell Culture Tested Store at -20°C	CF009-2MCG CF009-10MCG CF009-100MCG	2mcg 10mcg 100mcg
Human Recombinant Bone morphogenetic protein-13 Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF010-10MCG CF010-50MCG CF010-100MCG	10mcg 50mcg 100mcg

Product	Code	Packing
CDNF		
Human Recombinant CDNF Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF011-5MCG CF011-25MCG	5mcg 25mcg
Colony Stimulating Factors (CSF)		
Human Recombinant Granulocyte Colony Stimulating Factor Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF012-2MCG CF012-10MCG	2mcg 10mcg
Murine Recombinant Granulocyte -Colony Stimulating Factor Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF013-2MCG CF013-10MCG	2mcg 10mcg
Human Recombinant Granulocyte Macrophage Colony Stimulating Factor Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF014-5MCG CF014-20MCG	5mcg 20mcg
Murine Recombinant Granulocyte/Macrophage - Colony Stimulating Factor Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF015-5MCG CF015-20MCG CF015-100MCG	5mcg 20mcg 100mcg
Human Recombinant Macrophage Colony Stimulating Factor Source : <i>E. coli</i> Cell Culture Tested Assay : ≥98% Store at -20°C	CF016-2MCG CF016-10MCG CF016-100MCG	2mcg 10mcg 100mcg
Murine Recombinant Macrophage Colony Stimulating Factor Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF017-2MCG CF017-10MCG	2mcg 10mcg
DKK		
Human Recombinant DKK-1 Source : HEK-293 Cell Culture Tested Store at -20°C	CF018-2MCG CF018-10MCG CF018-100MCG	2mcg 10mcg 100mcg
Endothelial Growth Factors		
Human Recombinant Vascular Endothelial Growth Factor Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	CF019-2MCG CF019-10MCG CF019-100MCG	2mcg 10mcg 100mcg

Product	Code	Packing
Human Recombinant EG-Vascular Endothelial Growth Factor Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF020-5MCG CF020-20MCG CF020-100MCG	5mcg 20mcg 100mcg
Murine Vascular Endothelial Growth Factor-165 Cell Culture Tested Store at -20°C	CF021-2MCG CF021-10MCG	2mcg 10mcg
Endothelin		
Endothelin 1 ET-1 Cell Culture Tested Store at -20°C	CF022-1MG	1mg
Epidermal Growth Factors (EGF)		
Human Recombinant Epidermal Growth Factor Cell Culture Tested Assay : ≥98% Store at -20°C	CAS : 62253-63-8 CF023-0.1MG CF023-0.5MG CF023-1MG	0.1mg 0.5mg 1mg
Murine Recombinant Epidermal Growth Factor Cell Culture Tested Assay : ≥98% Store at -20°C	New CAS : 62253-63-8 CF024-0.1MG CF024-0.5MG CF024-1MG	0.1mg 0.5mg 1mg
Erythropoietin (EPO)		
Human Recombinant Erythropoietin (EPO) Cell Culture Tested Store at -20°C	CF025-10MCG CF025-50MCG CF025-100MCG	10mcg 50mcg 100mcg
Fibroblast Growth Factors (FGF)		
Human Recombinant Fibroblast Growth Factor, acidic Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF026-10MCG CF026-50MCG	10mcg 50mcg
Human Recombinant Fibroblast Growth Factor, basic Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF027-10MCG CF027-50MCG	10mcg 50mcg
Human Fibroblast Growth Factor -10 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF028-5MCG CF028-25MCG	5mcg 25mcg
Murine Recombinant Fibroblast Growth Factor-2 Cell Culture Tested Store at -20°C	CF029-10MCG CF029-50MCG	10mcg 50mcg
Murine Recombinant Fibroblast Growth Factor-4 Cell Culture Tested Store at -20°C	CF030-5MCG CF030-25MCG	5mcg 25mcg

Product	Code	Packing
Flt3 - Ligand		
Human Recombinant Flt3-Ligand Cell Culture Tested Store at -20°C	CF031-2MCG CF031-10MCG	2mcg 10mcg
Hepatocyte Growth Factors (HGF)		
Human Recombinant Hepatocyte Growth Factor Source : Insect cells Cell Culture Tested Store at -20°C	CF032-2MCG CF032-10MCG	2mcg 10mcg
Her2 Protein		
Human Recombinant Her2 Protein Source : Insect cells Cell Culture Tested Store at -20°C	New CF033-2MCG CF033-10MCG	2mcg 10mcg
Insulin		
Human Recombinant Insulin Cell Culture Tested $C_{257}H_{383}N_{65}O_{77}S_6$ MW : 5807.57 Assay : ≥97% Store at -20°C	CAS : 11061-68-0 CF034-250MG CF034-1G	250mg 1gm
Bovine Insulin Cell Culture Tested $C_{254}H_{377}N_{65}O_{75}S_6$ MW : 5733.49 Assay : ≥97% Store at -20°C	CAS : 11070-73-8 CF035-25MG CF035-100MG CF035-500MG CF035-1G	25mg 100mg 500mg 1gm
Insulin-like Growth Factors (IGF)		
Human Recombinant Insulin-like Growth Factor I Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF036-100MCG CF036-500MCG	100mcg 500mcg
Murine Recombinant Insulin-like Growth Factor I Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF037-10MCG CF037-50MCG	10mcg 50mcg
Human Recombinant Insulin-like Growth Factor II Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF038-10MCG CF038-50MCG CF038-100MCG	10mcg 50mcg 100mcg
Human Recombinant Insulin-like Growth Factor I LR₃ Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF039-200MCG CF039-1MG	200mcg 1mg

Product	Code	Packing
Interferons (IFN)		
Human Recombinant Interferon-γ Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF040-20MCG CF040-100MCG	20mcg 100mcg
Murine Recombinant Interferon-γ Cell Culture Tested Store at -20°C	CF041-20MCG CF041-100MCG	20mcg 100mcg
Interleukins (IN)		
Human Recombinant Interleukin -1α Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF042-2MCG CF042-10MCG	2mcg 10mcg
Human Recombinant Interleukin - 1β Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF043-2MCG CF043-10MCG	2mcg 10mcg
Human Recombinant Interleukin - 2 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF044-10MCG CF044-50MCG	10mcg 50mcg
Human Recombinant Interleukin - 3 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF045-2MCG CF045-10MCG	2mcg 10mcg
Murine Recombinant Interleukin-3 Cell Culture Tested Store at -20°C	CF046-2MCG CF046-10MCG	2mcg 10mcg
Human Recombinant Interleukin - 4 Source : <i>E.coli</i> Cell Culture Tested Assay : $\geq 98\%$ Store at -20°C	CF047-5MCG CF047-20MCG	5mcg 20mcg
Murine Recombinant Interleukin-4 Cell Culture Tested Store at -20°C	CF048-5MCG CF048-20MCG	5mcg 20mcg
Human Recombinant Interleukin - 6 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF049-5MCG CF049-20MCG	5mcg 20mcg
Murine Recombinant Interleukin-6 Cell Culture Tested Store at -20°C	CF050-2MCG CF050-10MCG	2mcg 10mcg
Human Recombinant Interleukin - 7 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF051-2MCG CF051-10MCG	2mcg 10mcg

Product	Code	Packing
Human Recombinant Interleukin - 8 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF052-5MCG CF052-25MCG CF052-100MCG	5mcg 25mcg 100mcg
Human Recombinant Interleukin - 9 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF053-2MCG CF053-10MCG CF053-100MCG	2mcg 10mcg 100mcg
Murine Recombinant Interleukin-9 Cell Culture Tested Store at -20°C	CF054-2MCG CF054-10MCG	2mcg 10mcg
Human Recombinant Interleukin - 10 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF055-2MCG CF055-10MCG	2mcg 10mcg
Murine Recombinant Interleukin-10 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF056-5MCG CF056-25MCG	5mcg 25mcg
Human Recombinant Interleukin-11 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF057-2MCG CF057-10MCG CF057-100MCG	2mcg 10mcg 100mcg
Human Recombinant Interleukin - 13 Source : <i>E.coli</i> Cell Culture Tested Assay : $\geq 98\%$ Store at -20°C	CF058-10MCG CF058-100MCG	10mcg 100mcg
Keratinocyte Growth Factors (KGF)		
Human Recombinant Keratinocyte Growth Factor Source : <i>E.coli</i> Cell Culture Tested Assay : $\geq 95\%$ Store at -20°C	CF059-2MCG CF059-10MCG CF059-100MCG	2mcg 10mcg 100mcg
Lactoferrin		
Lactoferrin, Human Recombinant Animal Component Free Cell Culture Tested Assay : $\geq 90\%$ Store at -20°C	CF060-100MG	100mg
Leukemia Inhibitory Factors		
Human Recombinant Leukemia Inhibitory Factor (LIF) Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF061-5MCG CF061-25MCG	5mcg 25mcg
Recombinant Murine LIF Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF062-5MCG CF062-25MCG	5mcg 25mcg

Product	Code	Packing
Monocyte Chemotactic Protein (MCP)		
Human Recombinant Monocyte Chemotactic Protein-1 (MCP-1) Cell Culture Tested Store at -20°C	CF063-5MCG	5mcg
	CF063-20MCG	20mcg
Mucin		
Human Recombinant mucin Source : CHO cells Cell Culture Tested C ₂ H ₄ N ₂ O MW : Assay : Store at -20°C	CF064-500MCG	500mcg
	CF064-1MG	1mg
Platelet-derived Growth Factors		
Human Recombinant Platelet Derived Growth Factor- AA Source : <i>E.coli</i> Cell Culture Tested Assay : ≥98% Store at -20°C	CF065-2MCG	2mcg
	CF065-10MCG	10mcg
	CF065-100MCG	100mcg
Murine Recombinant Platelet Derived Growth Factor- AA Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF066-2MCG	2mcg
	CF066-10MCG	10mcg
Human Recombinant Platelet Derived Growth Factor- BB Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF067-2MCG	2mcg
	CF067-10MCG	10mcg
	CF067-100MCG	100mcg
Murine Recombinant Platelet Derived Growth Factor- BB Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF068-2MCG	2mcg
	CF068-10MCG	10mcg
	CF068-100MCG	100mcg
Human Recombinant Platelet Derived Growth Factor - AB Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF069-2MCG	2mcg
	CF069-10MCG	10mcg
Human Recombinant Platelet Derived Growth Factor - CC Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF070-5MCG	5mcg
	CF070-20MCG	20mcg
	CF070-100MCG	100mcg
Stem Cell Factors (SCF)		
Human Recombinant Stem Cell Factor Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF071-2MCG	2mcg
	CF071-10MCG	10mcg
	CF071-100MCG	100mcg

Product	Code	Packing
Murine Recombinant Stem Cell Factor Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF072-2MCG	2mcg
	CF072-10MCG	10mcg
	CF072-100MCG	100mcg
Thrombopoietin (TPO)		
Human Recombinant Thrombopoietin (TPO) Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF073-2MCG	2mcg
	CF073-10MCG	10mcg
Murine Recombinant Thrombopoietin (TPO) TPO Recombinant Mouse Protein Source : <i>E.coli</i> Cell Culture Tested Assay : ≥98% Store at -20°C	CF074-2MCG	2mcg
	CF074-10MCG	10mcg
Transferrin		
Human Recombinant Transferrin Cell Culture Tested Assay : ≥95% Store at -20°C	CF075-1G	1gm
	CF075-5G	5gm
holo-Transferrin bovine Cell Culture Tested Assay : ≥95% Store at -20°C	CF076-100MG	100mg
	CF076-500MG	500mg
	CF076-1G	1gm
Transforming Growth Factors (TGF)		
Human Recombinant Transforming Growth Factor-alpha Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF077-20MCG	20mcg
	CF077-100MCG	100mcg
Human Recombinant Transforming Growth Factor-beta1 Source : HEK 293 Cell Culture Tested Store at -20°C	CF078-2MCG	2mcg
	CF078-10MCG	10mcg
Human Recombinant Transforming Growth Factor-beta1 Source : CHO cells Cell Culture Tested Store at -20°C	CF079-2MCG	2mcg
	CF079-10MCG	10mcg
Human Recombinant Transforming Growth Factor-beta2 Source : Insect cells Cell Culture Tested Assay : ≥98% Store at -20°C	CF080-2MCG	2mcg
	CF080-10MCG	10mcg
Human Recombinant Transforming Growth Factor-beta2 Source : HEK-293 Cell Culture Tested Store at -20°C	CF081-2MCG	2mcg
	CF081-10MCG	10mcg
	CF081-100MCG	100mcg

Product	Code	Packing
Human Recombinant Transforming Growth Factor-beta3 Cell Culture Tested Store at -20°C	CF082-2MCG	2mcg
	CF082-10MCG	10mcg
Human Recombinant Transforming Growth Factor-beta3 Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF083-2MCG	2mcg
	CF083-10MCG	10mcg
	CF083-100MCG	100mcg
Murine Recombinant Transforming Growth Factor β 1 Cell Culture Tested Store at -20°C	CF084-10MCG	10mcg

Product	Code	Packing
Tumor Necrosis Factor (TNF)		
Human Recombinant Tumor Necrosis Factor alpha Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF085-10MCG	10mcg
	CF085-50MCG	50mcg
Human Recombinant Tumor Necrosis Factor beta Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF086-5MCG	5mcg
	CF086-20MCG	20mcg
Wnt		
Murine Recombinant Wnt3a Protein New Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF088-2MCG	2mcg
	CF088-10MCG	10mcg

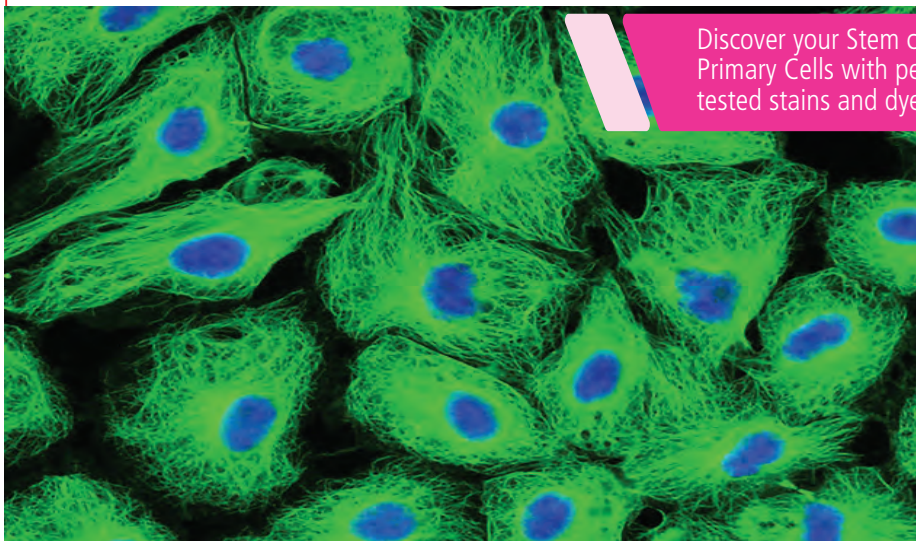
Attachment Factors

Bovine Pituitary Extract (BPE), Lyophilized Source: Bovine Pituitary Cell Culture Tested Store at 2 - 8°C	CF089-15MG	15mg
	CF089-5x15MG	5x15mg
Collagen I, Bovine, Lyophilized Source: Synthetic Cell Culture Tested MW: 500-550 kDa Store at -20°C	CF090-30MG	30mg
Collagen I, Human Source: Human Placenta Cell Culture Tested Store at -20°C	CF091-0.25MG	0.25mg
	CF091-10MG	10mg
Collagen I, Rat Source: Rat Tail Cell Culture Tested Store at 2 - 8°C	CF092-100MG	100mg
	CF092-10x100MG	10x100mg
Collagen II, Bovine Source: Bovine articular cartilage Cell Culture Tested Store at -70°C	CF093-5MG	5mg
Collagen IV, Human Source: Human Placenta Cell Culture Tested Store at -70°C	CF094-0.25MG	0.25mg
Collagen IV, Mouse Cell Culture Tested Store at -70°C	CF095-1MG	1mg
Collagen V, Human Source: Human Placenta Cell Culture Tested Store at -20°C	CF096-0.25MG	0.25mg

Collagen VI, Human Source: Human Placenta Cell Culture Tested Store at -20°C	CF097-500MCG	500mcg
Endothelial Cell Growth Supplement (ECGS) Lyophilized Source: Bovine Brain Cell Culture Tested Store at 2 - 8°C	CF098-15MG	15mg
	CF098-100MG	100mg
*Extracellular Matrix, Human Source: Human Placenta Cell Culture Tested Store at -70°C	CF099-1MG	1mg
Fibronectin, Human Lyophilized Source: Human Plasma Cell Culture Tested MW : 440-500 kDa Store at 2 - 8°C	CF100-1MG	1mg
	CF100-5MG	5mg
	CF100-5x5MG	5x5mg
Laminin, Mouse Source: Engelbreth-Holm-Swarm (EHS) mouse tumor Cell Culture Tested MW : 900 kDa Activity: >90% by SDS-PAGE Store at -70°C	CF102-1MG	1mg
Laminin, Mouse, Ultrapure Source: Engelbreth-Holm-Swarm (EHS) mouse tumor Cell Culture Tested MW : 900 kDa Activity: >95% by SDS-PAGE Store at -70°C	CF103-1MG	1mg
Recombinant Human Laminin 521 Store at -20°C	CF104-100MCG	100MCG

Product	Code	Packing
Poly-D-Lysine, Lyophilized Source: Synthetic Cell Culture Tested MW: 500-550 kDa Store at 2 - 8°C	CF105-20MG	20mg

Product	Code	Packing
Human Vitronectin Cell Culture Tested CAS : 83380-82-9 Store at -20°C	CF106-100MCG CF106-1MG	100mcg 1mg



Discover your Stem cells and Primary Cells with performance tested stains and dyes

High purity
 Performance tested
 Variety of applications

Refer page no. 460 - 464



Cell based screening assays & Custom assay development services

DRUG DISCOVERY
Drug Screening • Toxicity Testing
 Portfolio offering high throughput screening assays for versatile applications like drug discovery, live monitoring of cell activity, cell proliferation, toxicity testing & basic research.

Refer page no. 455 - 457

Troubleshooting Tips

Stem cells and primary cells are more sensitive and delicate as compared to the robust continuous cell lines hence require extreme precautions while handling, subculturing and thawing.

Initial Handling upon Receipt

For any damage to the product upon receipt, report it immediately to the HiMedia marketing representative or technical team.

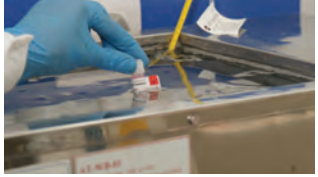
For any difficulty while handling or processing the cells please contact HiMedia technical team within a month after delivery :

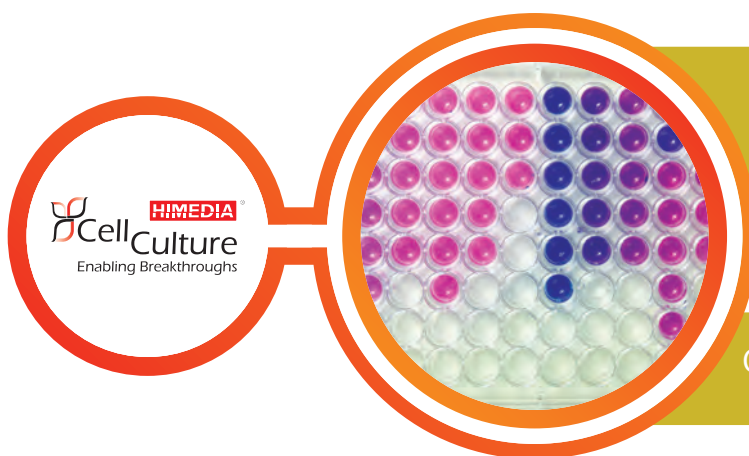
022-61169797 / 8356915020 or atc@himedialabs.com

Following handling methods can lead to loss of cell viability, alteration in morphology and loss of attachment of cells.

1. Exposing the cryopreserved cells during thawing to warm temperatures (37°C) for more than 90 - 120 secs
2. Not giving medium change in 2-3 hours after thawing
3. Sub-culturing after the cells reach 100% confluence
4. Exposing the cells to trypsin for more than the recommended time during sub-culturing

Storage and Handling of Proliferating Cells and Cryopreserved Cells

Proliferating Cells	Key Points to Remember	Cryopreserved Cells	Key Points to Remember
<p>→ CHECK Leakage during transport</p>	<p>Flask leaking or broken Discard in bio-hazardous waste if required</p> <p>Intact flask Remove the flask from plastic bag</p>	<p>Immediately transfer the vial to a liquid nitrogen tank upon receipt using forceps</p> <p>DO NOT hold the vial in hand</p>	 <p>DO NOT freeze the cells at -80°C</p>
<p>→ CHECK Cell morphology and confluence</p> <p>Microscopic visibility of the cells is hampered due to flask filled to capacity</p>	 <p>DO NOT discard the medium!</p>	<p>→ DURING THAWING</p> <p>DO NOT hold the vial in water bath for more than 90-120secs</p> <p>AVOID getting water up to the cap of the vial</p>	
<p>→ CHECK Incubate the cells for 3-4 hrs to allow floating cells to reattach to the surface</p>	 <p>DO NOT loosen one thread of the cap!</p>	<p>→ DURING THAWING</p> <p>Dropwise addition is required to prevent the cells from stress induced by exothermic reaction</p>	 <p>Thawing should be AS FAST AS POSSIBLE to minimize cell damage</p>
<p>Only after incubation, remove the medium and discard. Add fresh medium (adherent cells)</p>	 <p>Loosen one thread of the cap!</p>	<p>→ AFTER THAWING</p> <p>Medium change after 2-3 hours is mandatory to remove traces of DMSO</p>	



HiMedia supplies a broad range of cell based assays, stains and indicators dyes, that provide researchers a tool to study various aspects of cytotoxicity, cell cycle, enzymology and cell signaling.

CELL ANALYSIS & DETECTION SOLUTIONS

Product	Prefix	Page
Cell Analysis Kits	CCK	455-456
Enzyme Assay Kits	CCK	457
Cell Cycle Analysis Kits	CCK	457
Cell Signalling Kits	CCK	457
Antioxidant Estimation Kits	CCK	457

Product	Prefix	Page
Mycoplasma Detection and Elimination Platform		
Mycoplasma Detection Kits	CCK	458-459
Mycoplasma Elimination Kits	CCK	458-459
Stains and Indicator Dyes	TC	460-464

Cell Analysis and Detection Solutions

The broad range of cell based assays offered by HiMedia gives researchers tools to study extensively the aspects of cytotoxicity, cell cycle, enzymology and cell signaling.

We provide accurate, sensitive and reliable detection methods and robust and successful elimination methods for mycoplasma contamination in cell cultures.

Our catalog includes a number of stains and indicators dyes including nuclear and cytoplasmic stains, DNA/ RNA-binding stains, viability stains or stains specific to any cell organelle used in cell culture on routine basis for particular applications.

Manual errors, person-to-person variation, inability to count aggregates, makes cell counting one of the most critical challenge in cell culture. To help cell biologists circumvent this challenge, we have introduced CASY - a

robust, reproducible and reliable cell counter based on the principle of electrical current exclusion, CASY tracks all relevant parameters of cell culture including cell count, cell viability, cell size and aggregation at extremely low running costs. With a detection range of 0.7 to 120 μm , this is the only machine in the market that counts mammalian cells and stem cells as well as bacteria, yeast, algae, parasites, sperms etc. We guarantee CASY's legendary reliability as it comes with as certified life time calibration, integrated QA system, GLP/GMP compliance and 21 CFR Part 11 compliance.

For more info :

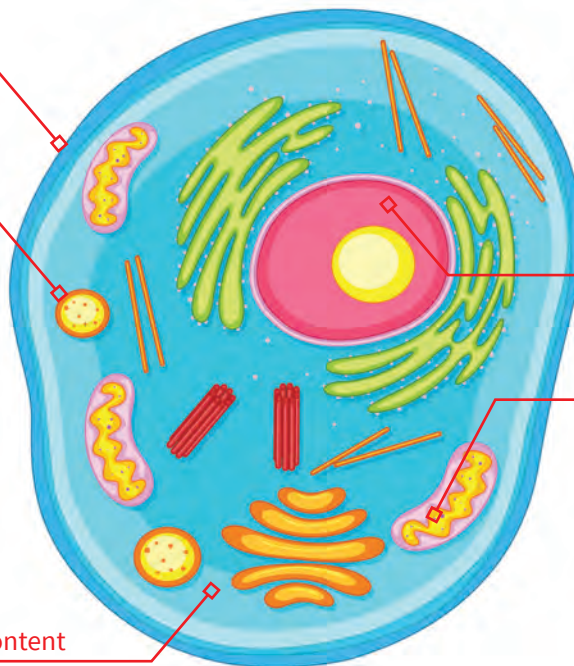
atc@himedialabs.com | www.himedialabs.com

Membrane Permeability

- LDH Homogeneous (CCK058)
- LDH (CCK036)

Lysosomal Activity

- Neutral red (CCK034)



DNA Content

- BrdU (CCK031)

Mitochondrial Activity

- ATP (CCK051)
- WST-8 (CCK074)
- WST-1 (CCK032)
- MTS (CCK053)
- MTS (CCK070)
- XTT (CCK015)
- MTT (CCK003)
- EZBlue (CCK004)

Protein Content

- Sulphorhodamine B (CCK052)

ACC



Cell Analysis Kits

Robust

Sensitive

Intra-Assay Variation

NMT 10%

Inter-Assay Variation

NMT 15%

Bioprocess involve wide range of cell viability/cytotoxicity kits to check the efficacy of biosimilars. EZcount™ range of cell viability kits offer a wide range of ready to use reagents and standards needed for detection. The family of kits offers tools for flexible assay designs to evaluate compound effects in end-point assays or for long term studies in live cells. Operating instructions provided are simple to follow, accurate and ensure consistent repeatable results.

Cell viability kits based on nuclear DNA content

EZcount™ BrdU Cell Assay Kit	CCK031-1000	1000 tests
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Cell viability kits based on Cellular ATP content

EZcount™ ATP Cell Assay Kit	CCK051-1000	1000 tests
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Cell viability kits based on metabolic activity

EZcount™ WST-8 Cell Assay Kit	CCK074-1000	1000 tests
	CCK074-3000	3000 tests

EZcount™ WST-1 Cell Assay Kit	CCK032-1000	1000 tests
	CCK032-2500	2500 tests

EZcount™ MTS Cell Assay Kit	CCK053-1000	1000 tests
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EZcount™ MTS Homogenous Cell Assay Kit	CCK070-1000	1000 tests
	CCK070-5000	5000 tests

EZcount™ XTT Cell Assay Kit	CCK015-1000	1000 tests
	CCK015-2500	2500 tests

EZcount™ MTT Cell Assay Kit	CCK003-1000	1000 tests
	CCK003-2500	2500 tests

EZBlue™ Cell Assay Kit EZBlue™ solution is a resazurin based solution equivalent to Alamar Blue®	CCK004-2500	2500 tests
	CCK004-10000	10000 tests

Cell viability kits based on detection of intracellular components

EZcount™ Neutral Red Cell Assay Kit	CCK034-1000	1000 tests
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EZcount™ Sulphorhodamine B Cell Assay Kit	CCK052-1000	1000 tests
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Cell cytotoxicity kits based on enzyme release

EZcount™ Lactate Dehydrogenase Cell Assay Kit	CCK036-500	500 tests
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EZcount™ LDH Cell Assay Kit, Homogeneous	CCK058-500	500 tests
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EZcount™ G6PD Cell Assay Kit	CCK069-500	500 tests
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All the above kits contain reagents sufficient for specified number of tests in a 96 well plate

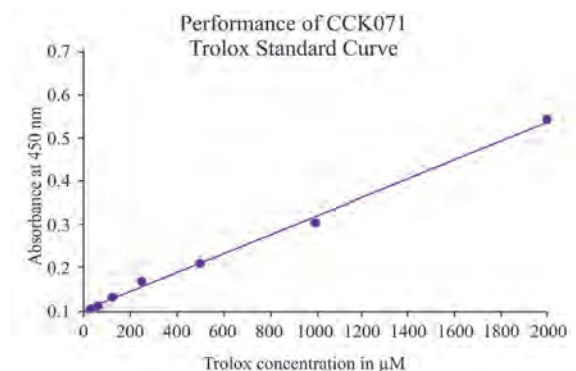
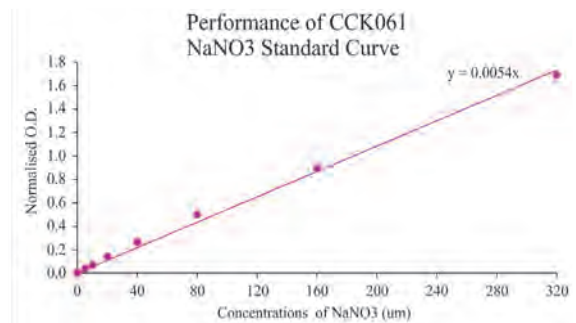
Name	Code	Principle	Detection method	Sensitivity	No. of tests
Cell viability kit based on cellular ATP content					
EZcount™ ATP Cell Assay Kit	CCK051	Luciferase catalyzed ATP dependent conversion of Luciferin into light	Luminescence	<1 μM	1000
Cell viability kits based on metabolic activity					
EZcount™ WST-8 Cell Assay Kit	CCK074	Reduction of tetrazolium salt to respective formazan product mediated by mitochondrial dehydrogenases	Colorimetric detection: Absorbance at 450 nm	100 cells per well	1000, 3000
EZcount™ WST-1 Cell Assay Kit	CCK032		Colorimetric detection: Absorbance at 420 - 480nm	125 cells per well	1000
EZcount™ MTS Cell Assay Kit	CCK053		Colorimetric detection: Absorbance at 490nm	125 cells per well	1000
EZcount™ MTS Homogenous Cell Assay Kit	CCK070		Colorimetric detection: Absorbance at 490nm	125 cells per well	1000
EZcount™ XTT Cell Assay Kit	CCK015		Colorimetric detection: Absorbance at 450 - 490nm	125 cells per well	1000
EZcount™ MTT Cell Assay Kit	CCK003		Colorimetric detection: Absorbance at 570nm	750 cells per well	1000
EZ Blue™ Cell Assay Kit	CCK004	Reduction of Resazurin to Resorufin by NADH equivalents in live cells	Colorimetric detection: Absorbance at 570 – 580nm Fluorometric detection: 560nm EX /590nm EM	2000 cells per well	1000, 2500
Cell viability kits based on nuclear DNA content					
EZcount™ BrdU Cell Assay Kit	CCK031	Detection of BrdU incorporated into DNA by anti-BrdU-HRP	Colorimetric detection: Absorbance at 450 nm	500 cells per well	1000
Cell viability kits based on detection of intracellular components					
EZcount™ Sulphorhodamine B Cell Assay Kit	CCK052	Sulphorhodamine B staining of intracellular proteins	Colorimetric detection: Absorbance at 565nm OR 490 – 530nm	5000 cells per well	1000
EZcount™ Neutral Red Cell Assay Kit	CCK034	Neutral red uptake by cellular lysosomes	Colorimetric detection: Absorbance at 540nm	5000 cells per well	1000
Cell cytotoxicity kits based on enzyme release					
EZcount™ Lactate Dehydrogenase Cell Assay Kit	CCK036	Conversion of lactate to pyruvate catalyzed by LDH released from damaged cells	Absorbance @ 490nm	1000 cells per well	500
EZcount™ LDH Cell Assay Kit, Homogeneous	CCK058		Absorbance @ 570nm	1000 cells per well	500
EZcount™ G6PD Cell Assay Kit	CCK069	Conversion of lactate to pyruvate catalyzed by G6PD released from damaged cells	Absorbance 540nm and Fluorescence590nm Colorimetric/ Fluorometric	1000 cells per well	500

Product	Code	Packing
Enzyme Assay Kits		
EZAssay™ Alkaline Phosphatase Activity Estimation Kit	CCK035-100	100 tests in 1ml tube format
EZAssay™ Glutamine Glutamate Determination Kit	CCK037-100	Kit for 100 tests in 1ml tube format
EZAssay™ TBARS Estimation Kit for Lipid Peroxidation	CCK023-100	Kit for 100 tests in 1ml tube format
EZAssay™ GST Activity Estimation Kit	CCK028-100	Kit for 100 tests in 1ml tube format

Cell Cycle Analysis Kits		
EZdetect™ Cell Senescence Detection Kit Senescent cells exhibit acidic β-Galactosidase activity <i>in vitro</i> . EZdetect™ Cell Senescence Detection Kit is a easy-to-use kit designed for <i>in vitro</i> detection of senescent cells based on senescence associated β-Gal activity (SA-β-Gal). β-galactosidase hydrolyzes X-gal and makes the senescent cells appear blue coloured.	CCK063-100	Kit for 100 tests in a 35mm dish
EZAssay™ Mitochondrial Membrane Potential Assay Kit with JC-1 This kit contains JC-1, a cationic dye that accumulates in mitochondria. In absence of Mitochondrial Membrane Potential (MMP), cells fluoresce green and metabolically active mitochondria fluoresce red. It is used for monitoring, screening apoptosis inhibitors and activators.	CCK079-200	Kit for 200 tests in 96 well

Cell Signalling Kits		
EZAssay™ Nitric Oxide Estimation Kit EZAssay™ Nitric Oxide Estimation Kit is an easy to use kit for estimation of nitric oxide based on Griess reagent system by spectrophotometric method. Nitric oxide rapidly degrades in aqueous solution to form nitrate and nitrite. The kit estimates total nitric oxide by estimating both nitrate and nitrite.	CCK061-200	Kit for 200 tests in 96 well format

Product	Code	Packing
Antioxidant Estimation Kits		
EZAssay™ Antioxidant Activity Estimation Kit (CUPRAC) This kit is based on ability of antioxidants in the sample to reduce copper(II)-chromogen oxidant complex. Absorbance of the reduced copper(II)-chromogen complex is indicative of antioxidant capacity of the test sample. The kit can be used for estimation of total antioxidant capacity of biological samples such as serum, plasma, tissue homogenates and cell lysates.	CCK071-200	Kit for 200 tests in 96 well format
EZAssay™ Antioxidant Activity Estimation Kit (FRAP) This kit is based on ability of antioxidants in the sample to reduce Ferric(III)-chromogen oxidant colourless complex to blue colored Ferrous (II)-chromogen complex. Absorbance of the reduced complex is indicative of antioxidant capacity of the test sample. The kit can be used for estimation of total antioxidant capacity of biological samples such as serum, plasma, tissue homogenates and cell lysates.	CCK072-200	Kit for 200 tests in 96 well format
EZAssay™ Reactive Oxygen Species Assay Kit (FRAP) This kit is based on fluorogenic dye that measures hydroxyl, peroxy and other reactive oxygen species (ROS) activity within the cell.	CCK078-200	Kit for 200 tests in 96 well format



Store kit contents as per storage temperatures of individual components

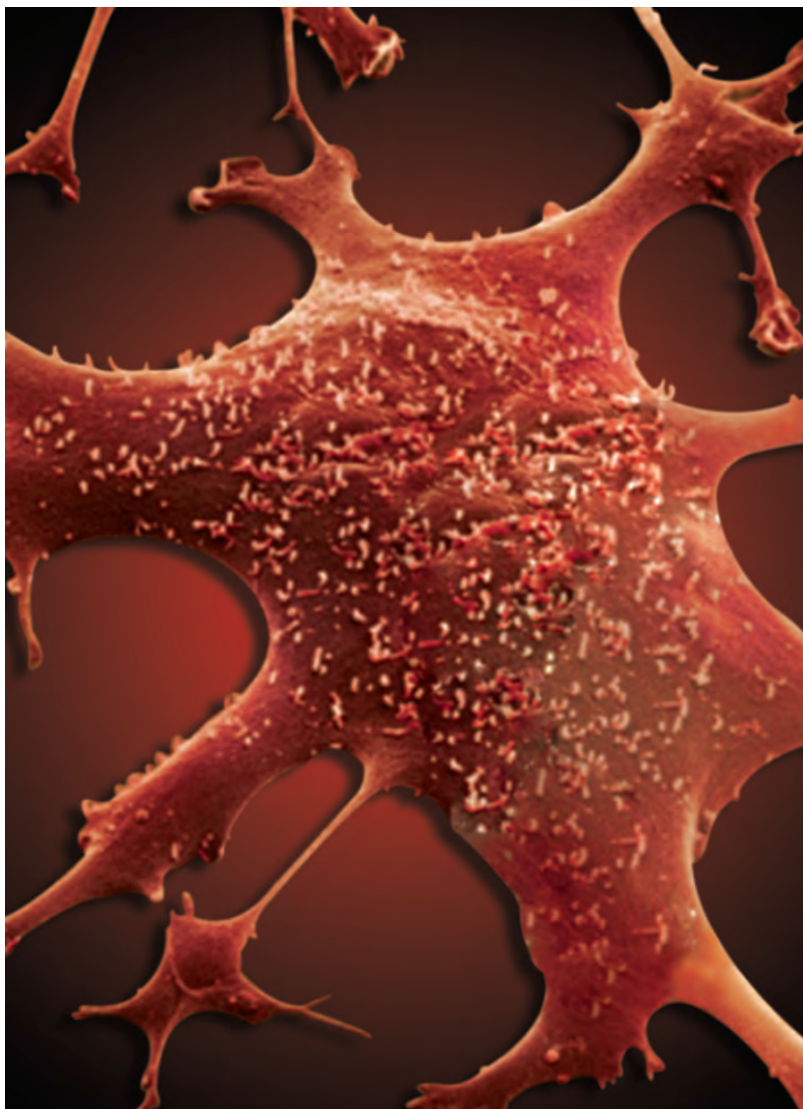
Mycoplasma Detection and Elimination Platform

“MYCOPLASMA A THREAT...”

Erroneous result of cell
based assays

Reduced reproducibility
of experiments

Decreased productivity
of your cell lines



**“Test your
cultures
before they
test your
patience”**

WANT TO PUBLISH YOUR RESULTS IN A HIGH IMPACT JOURNAL

15 - 35% continuous cell lines, 5% early passage cell cultures, 1% primary cell cultures are infected with Mycoplasma.

Regular testing is a recommendation and a mandatory requirement of many reputed journals.

Product	Code	Packing
Mycoplasma Detection Kits		

<p>EZdetect™ PCR kit for Mycoplasma detection Based on 16S-23S rRNA spacer region</p> <p>Kit Contents: a) Lysis Buffer b) Primer Mix c) dNTP Mix d) Magnesium chloride solution e) Taq polymerase f) Water (DNAse, RNAse free) g) Positive Control DNA</p> <p>1. Positive Control 2. Positive sample infected with 1 species 3. Positive sample infected with 2 species 4. Negative Control</p>	CCK009-25R	Kit for 25 reactions
<p>Gel run in 1X TAE buffer showing amplification of positive DNA (<i>M. Hominis</i> gDNA) and mycoplasma from infected cultures.</p>		

<p>EZdetect™ PCR kit for Mycoplasma detection Based on 16S rRNA sequence</p> <p>Kit Contents: a) PCR Master Mix b) Taq polymerase c) Positive DNA Control d) Water (DNAse and RNAse free)</p> <p>1. Test Sample Infected with mycoplasma 2. Positive control 3. Negative Control</p>	CCK022-25R	Kit for 25 reactions
<p>Gel run in 1X TAE buffer showing amplification of positive DNA (<i>M. Hominis</i> gDNA) and mycoplasma from infected cultures</p>		

Product	Code	Packing
<p>EZdetect™ DAPI Stain Kit for Mycoplasma Detection</p> <p>Kit Contents: a) Hanks' Balanced Salt Solution 10X b) DAPI Stain Solution 10X c) Mounting Medium</p>	CCK007-100NO	Kit for 100 tests
<p>EZdetect™ Hoechst Stain Kit for Mycoplasma Detection</p> <p>Kit Contents: a) Hanks' Balanced Salt Solution 10X b) Hoechst 33258 Stain Solution 10X c) Mounting Medium</p>	CCK008-100NO	Kit for 100 tests

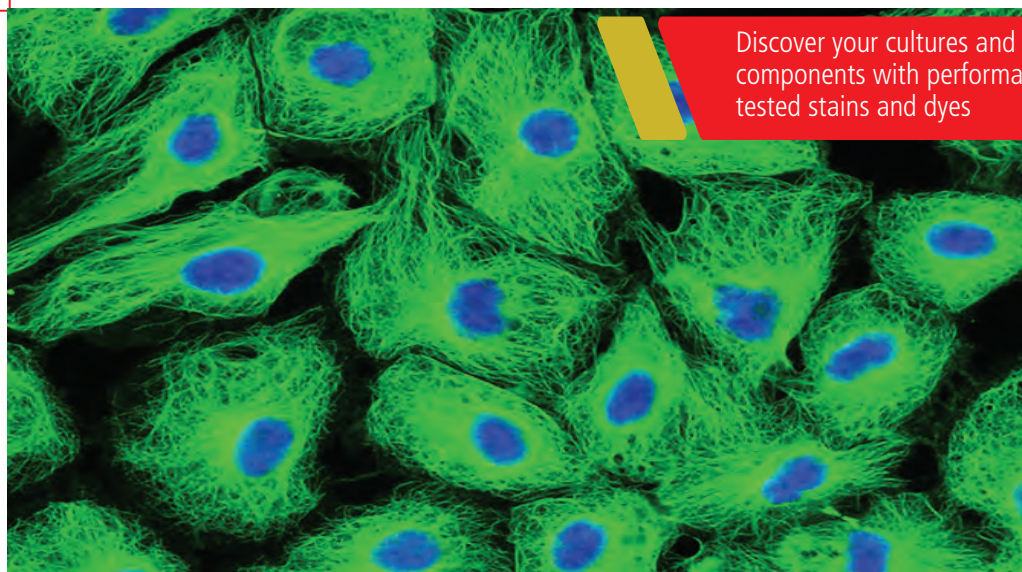
Mycoplasma Elimination Kits

<p>EZkill™ Mycoplasma Elimination Kit</p> <p>Kit Contents: a) EZKill™ Solution I 100X b) EZKill™ Solution II 100X</p> <p>U : Untreated control-CHO cells infected with Mycoplasma T : CHO cells infected with Mycoplasma and treated with EZkill™</p>	CCK006-1KT	1 kit
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Launching soon

Telomere assay Kit

Stains and Indicator Dyes



Discover your cultures and cellular components with performance tested stains and dyes

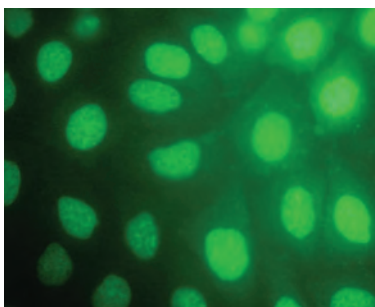
High purity
Performance tested
Variety of applications

Live/Dead Cell Stains		Stem Cell Differentiation Indicator Dyes	Blood Cell Stains	Stains for Histology	pH Indicators
Fluorescent	Non-fluorescent				
Acridine orange	Crystal Violet	Alcian blue 8GX	Giemsa stain	Eosin blue disodium salt	Phenol red
Acridine yellow	Neutral Red	Alizarin Red S	New Methylene Blue	Eosin-methylene blue	
Bisbenzimidazole (Hoechst 33258)	Sulphorhodamine B sodium salt	Oil red O	Reticulocyte Staining Solution	Eosin Yellow disodium salt	
Bisbenzimidazole (Hoechst 33342)	Erythrocin B 0.1% Solution	Safranin		Hematoxylin stain	
Calcein AM	Trypan blue	Toluidine Blue O		Carmine	
CFDA					
DAPI dihydrochloride					
Diacetyl fluorescein					
DiD perchlorate *Oil*					
*Ethidium homodimer					
Fluo-4 AM					
Fluorescein sodium salt					
Fluorescein isothiocyanate					
Propidium iodide					
SRB sulfonyl chloride					

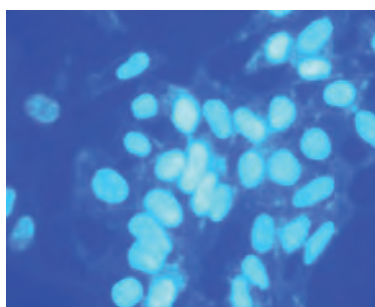
ACC

Product	Code	Packing
Live/ Dead Cell Stains		
Fluorescent		
Acridine orange Cell Culture Tested C.I. No. : 46005 $C_{17}H_{20}ClN_3.HCl.1/2ZnCl_2$ MW : 369.96 CAS : 10127-02-3 Store below 30°C	TC262-5G TC262-10G TC262-25G TC262-100G	5gm 10gm 25gm 100gm
Acridine yellow Cell Culture Tested C.I. No. : 46025 $C_{15}H_{15}N_3.HCl$ MW : 273.76 CAS : 135-49-9 Store below 30°C	TC716-5G	5gm
Bisbenzimidazole (Hoechst 33258) Cell Culture Tested $C_{25}H_{24}N_6O_3.HCl$ MW : 533.88 CAS : 23491-45-4 Assay : ≥98% Store at 2 - 8°C	TC225-25MG TC225-100MG	25mg 100mg
Bisbenzimidazole (Hoechst 33342) Cell Culture Tested $C_{27}H_{28}N_6O_3.HCl.xH_2O$ MW : 561.93 CAS : 23491-52-3 Assay : ≥98% Store at 2 - 8°C	TC266-25MG TC266-100MG	25mg 100mg
Calcein AM Calcein O,O'-diacetate tetrakis(acetoxymethyl) ester Cell Culture Tested $C_{46}H_{46}N_2O_{23}$ MW : 994.86 CAS : 148504-34-1 Assay : ≥90% Store at -20°C	TC474-1MG TC474-5MG	1mg 5mg
CFDA [5-(and 6)-Carboxyfluorescein diacetate] *Mixed isomers* Cell Culture Tested $C_{25}H_{16}O_9$ MW : 460.39 CAS : 124387-19-5 Assay : ≥90% Store at -20°C	TC725-25MG TC725-100MG	25mg 100mg

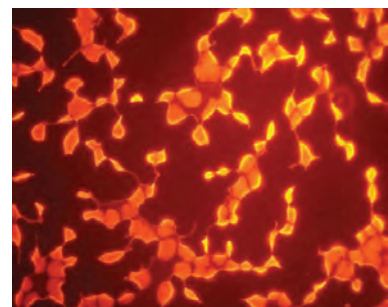
Product	Code	Packing
DAPI dihydrochloride (4',6-Diamidino-2-phenylindole dihydrochloride) Cell Culture Tested $C_{16}H_{15}N_5.2HCl$ MW : 350.25 CAS : 28718-90-3 Assay : ≥98% Store at 2 - 8°C	TC229-5MG TC229-10MG	5mg 10mg
Diacyetyl fluorescein Cell Culture Tested $C_{24}H_{16}O_7$ MW : 416.38 CAS : 596-09-8 Store at 2 - 8°C	TC718-5G TC718-10G TC718-25G	5gm 10gm 25gm
DiD perchlorate *Oil* (1,1'-Diocetyl-3,3,3',3'-tetramethylindodicarbocyanine perchlorate) Cell Culture Tested $C_{67}H_{108}ClN_6O_3S$ MW : 959.00 CAS : 127274-91-3 Store at -20°C	TC726-5MG TC726-10MG	5mg 10mg
Ethidium homodimer EtDi, EthD-1 Cell Culture Tested $C_{46}H_{50}Cl_4N_8$ MW : 856.75 CAS : 61926-22-5 Assay : ≥85% Store at -20°C	TC473-1MG TC473-5MG	1mg 5mg
Fluo-4 AM Cell Culture Tested $C_{51}H_{50}F_2N_2O_{23}$ MW : 1096.95 CAS : 273221-67-3 Store at -20°C	TC724-500µL	500µl
Fluorescein diacetate New Cell Culture Tested $C_{24}H_{16}O_7$ MW : 416.38 CAS : 596-09-8 Store at 2 - 8°C	TC737-5G TC737-10G TC737-25G TC737-100G	5gm 10gm 25gm 100gm
Fluorescein sodium salt Cell Culture Tested C.I.No.: 45350 $C_{20}H_{10}O_5.Na_2$ MW : 376.27 CAS : 518-47-8 Assay : ≥98% Store below 30°C	TC719-100G TC719-500G	100gm 500gm



Cell DNA stained with **acridine orange** (100X)



Nuclei of HEK cells stained with **DAPI** (40X)



CHO cells stained with **propidium iodide** (40X)

Product	Code	Packing
Fluorescein isothiocyanate Cell Culture Tested $C_{21}H_{11}NO_5S$ MW : 389.38 CAS : 3326-32-7 Assay : $\geq 98\%$ Store at 2 - 8°C	TC720-50MG TC720-100MG	50mg 100mg
Propidium iodide Cell Culture Tested $C_{27}H_{34}I_2N_4$ MW : 668.39 CAS:25535-16-4 Assay : $\geq 95\%$ Store below 30°C	TC252-25MG TC252-100MG TC252-250MG TC252-1G	25mg 100mg 250mg 1gm
SRB sulfonyl chloride (Sulforhodamine B sulfonyl chloride) Cell Culture Tested $C_{27}H_{29}ClN_2O_6S_2$ MW : 577.11 CAS: 62796-29-6 Store at -20°C	TC727-25MG	25mg
Non-Fluorescent		
Crystal Violet Cell Culture Tested Store below 30°C	TC510-10G TC510-25G TC510-100G	10gm 25gm 100gm
Neutral Red 3-Amino-7-dimethylamino-2-methylphenazine hydrochloride, Basic Red 5, Toluylene red Cell Culture Tested C.I.No.: 50040 $C_{15}H_{17}ClN_4$ MW : 288.78 CAS : 553-24-2 Store below 30°C	TC448-1G TC448-5G TC448-25G	1gm 5gm 25gm
Sulphorhodamine B sodium salt Cell Culture Tested C.I.No.: 45100 $C_{27}H_{29}Na_2O_6S_2$ MW : 580.65 CAS:3520-42-1 Store below 30°C	TC478-1G TC478-5G TC478-25G	1gm 5gm 25gm

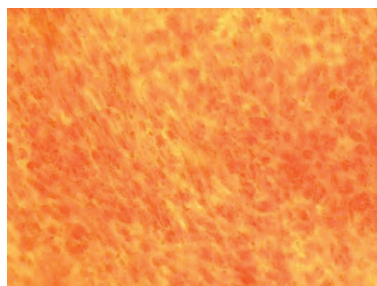
Product	Code	Packing
Trypan blue C.I.No.: 23850 Cell Culture Tested $C_{24}H_{24}N_6O_{14}S_4Na_4$ MW : 960.81 CAS : 72-57-1 Store below 30°C	TC193-5G TC193-25G TC193-100G	5gm 25gm 100gm
Trypan blue 0.4% Solution in Dulbecco's Phosphate Buffered Saline Store below 30°C	TCL046-100ML	100ml 5x100ml
Trypan blue 0.5% Solution in Dulbecco's Phosphate Buffered Saline Store below 30°C	TCL005-100ML	100ml 5x100ml

Stem Cell Differentiation Indicator Dyes

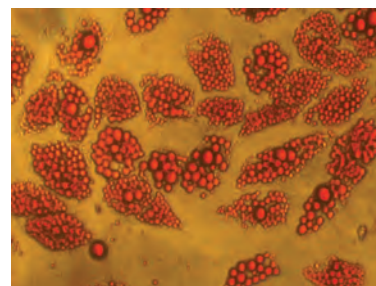
Alcian blue 8GX Cell Culture Tested C.I. No. : 74240 $C_{36}H_{88}Cl_4CuN_{16}S_4$ MW : 1298.86 CAS : 33864-99-2 Assay : $\geq 99.50\%$ Store below 30°C	TC359-10G TC359-25G	10gm 25gm
Alizarin Red S Cell Culture Tested C.I. No. : 58005 $C_{14}H_7NaO_7S$ MW : 342.26 CAS:130-22-3 Store below 30°C	TC255-25G	25gm
Nile Red Cell Culture Tested $C_{26}H_{18}N_2O_2$ MW : 318.37 CAS : 7385-67-3 Store below 30°C	TC707-100MG	100mg
Oil red O Cell Culture Tested $C_{26}H_{24}N_4O$ MW : 408.49 CAS:1320-06-5 Store below 30°C	TC256-25G TC256-100G	25gm 100gm



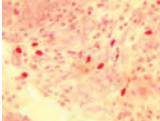
Alcian Blue staining of Chondrocytic Differentiation of HWJ-MSC in HiChondroXL™ Chondrocyte Differentiation Medium (20X)



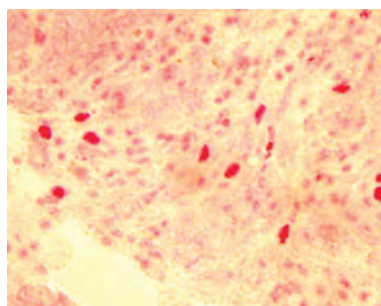
Calcium deposits in mesenchymal stem cells differentiated into osteocytes stained red in colour by **Alizarin Red S** (40X)



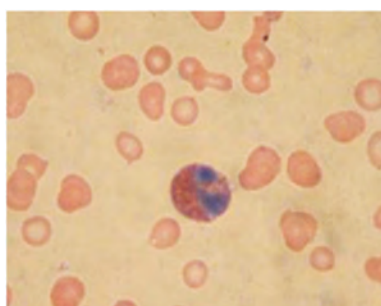
Human adult mesenchymal stem cells differentiated into adipocytes
Lipid droplets stained bright red/orange with **Oil Red O** staining solution (40X)

Product	Code	Packing
Safranin Cell Culture Tested C.I.No.: 50240 $C_{20}H_{19}ClN_3$ MW : 350.84 CAS:477-73-6 Store below 30°C	TC260-10G TC260-25G TC260-100G	10gm 25gm 100gm
Toluidine Blue O Cell Culture Tested C.I.No.: 52040 $C_{19}H_{16}ClN_3S$ MW : 305.83 CAS : 92-31-9 Store below 30°C	TC257-5G TC257-25G	5gm 25gm
Stains for Histology		
Acid fuchsin Cell Culture Tested C.I.No.: 42685 $C_{20}H_{17}N_3Na_2O_5S_3$ MW : 585.54 CAS : 3244-88-0 Store below 30°C	TC714-25G TC714-50G	25gm 50gm
Basic fuchsin Cell Culture Tested C.I.No.: 42510 $C_{20}H_{20}ClN_3$ MW : 337.85 CAS : 632-99-5 Store below 30°C	TC715-25G TC715-100G	25gm 100gm
Carmine Cell Culture Tested C.I.No. : 75470 CAS:1390-65-4 Store below 30°C 	TC264-5G TC264-25G TC264-100G	5gm 25gm 100gm
Cresyl violet acetate Cell Culture Tested $C_{15}H_{15}N_3O_3$ MW : 321.33 CAS: 10510-54-0 Store below 30°C	TC710-5G TC710-25G	5gm 25gm

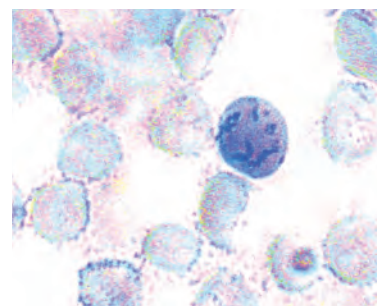
Product	Code	Packing
Eosin blue disodium salt (Eosin B, Eosin bluish) Cell Culture Tested C.I.No.: 45400 $C_{20}H_6N_2O_5Br_2Na_2$ MW : 624.06 CAS : 548-24-3 Store below 30°C	TC258-10G TC258-25G	10gm 25gm
Eosin-methylene blue (Jenner's stain) Cell Culture Tested CAS : 62851-42-7 Store below 30°C	TC263-25G TC263-100G	25gm 100gm
Eosin Yellow disodium salt (Eosin Y, Eosin yellowish) Cell Culture Tested C.I. No. : 45380 $C_{20}H_6Br_2Na_2O_5$ MW : 691.85 CAS : 17372-87-1 Store below 30°C	TC357-10G TC357-25G	10gm 25gm
Hematoxylin stain Cell Culture Tested C.I.No.: 75290 $C_{16}H_{14}O_6 \cdot xH_2O$ MW : 302.28 CAS : 517-28-2 (anhydrous basis) Store below 30°C	TC259-25G TC259-100G	25gm 100gm
Janus green B Cell Culture Tested C.I.No.: 11050 $C_{30}H_{31}ClN_6$ MW : 511.06 CAS: 2869-83-2 Store below 30°C	TC712-5G TC712-25G	5gm 25gm
Sudan Black B Cell Culture Tested $C_{28}H_{24}N_6$ MW : 456.54 CAS: 4197-25-5 Store below 30°C	TC709-5G TC709-25G	5gm 25gm



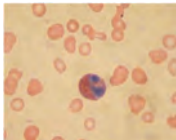
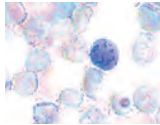
Hepatocytes in liver stained with **Carmine** (40X)



Blood smear stained with **Giemsa** (40X)



Reticulocyte in blood smear stained with **Reticulocyte staining solution** (100 X)

Product	Code	Packing
Blood Cell Stains		
Giemsa stain Cell Culture Tested $C_{14}H_{16}ClN_5S$ MW : 291.8 Store below 30°C 	TC232-5G TC232-25G CAS : 51811-82-6	5gm 25gm
New Methylene Blue N Zinc chloride double salt Cell Culture Tested $C_{18}H_{22}ClN_3S_0.5ZnCl_2$ MW : 416.05 Store below 30°C	TC356-10G CAS : 6586-05-6	10gm
Giemsa Stain Solution Store below 30°C	TCL083-100ML TCL083-500ML	100ml 500ml
Reticulocyte Staining Solution Store below 30°C 	TCL115-100ML	100ml

Product	Code	Packing
Anti-Fade Solutions		
Anti Q™ Antiquencher mounting reagent Store below 30°C	TCL193-1ML TCL193-10ML	1ml 10ml
Anti Q™-PI Anti Q -Antiquencher mounting reagent with PI (Propidium iodide) Store below 30°C	TCL194-1ML TCL194-10ML	1ml 10ml
Anti Q™-DAPI Anti Q -Antiquencher mounting reagent with DAPI (4',6-diamidino-2-phenylindole) Store below 30°C	TCL195-1ML TCL195-10ML	1ml 10ml
pH Indicators		
Phenol red sodium salt Cell Culture Tested $C_{19}H_{13}NaO_5S$ MW : 376.36 Store below 30°C	TC045-5G TC045-25G TC045-50G CAS : 34487-61-1	5gm 25gm 50gm
Phenol red 0.5% Solution in Dulbecco's Phosphate Buffered Saline Store below 30°C	TCL004-100ML	100ml

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Cell based screening assays & Custom assay development services



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 Portfolio offering high throughput screening assays for versatile applications like drug discovery, live monitoring of cell activity, cell proliferation, toxicity testing & basic research.



HiMedia supplies a comprehensive range of chemicals and specialty chemicals that are tested for cell culture applications. Our product portfolio also includes chemicals meeting United States Pharmacopoeia (USP), European Pharmacopoeia, British Pharmacopoeia (EP) Japanese Pharmacopoeia and Indian Pharmacopoeia testing specifications.

CELL CULTURE TESTED CHEMICALS

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FMOC Amino Acids	TC	469-470
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Cell Culture Tested Chemicals

HiMedia is one of the leading supplier of comprehensive range of chemicals and specialty chemicals including amino acids, antibiotics, growth factors, biochemicals, cell dissociation and cryopreservation reagents used in cell culture. These chemicals apart from the analytical testing undergo cell culture test to verify their suitability in cell culture application.

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Product	Code	Packing
Amino Acids		
N-Acetyl-L-cysteine (From non-animal source) Cell Culture Tested C ₆ H ₉ NO ₃ S MW : 163.19 CAS : 616-91-1 Assay : ≥98% Store at 2 - 8°C	TC054-5G TC054-25G TC054-100G	5gm 25gm 100gm
N-Acetyl-L-tyrosine (From non-animal source) Cell Culture Tested C ₁₁ H ₁₃ NO ₄ MW : 223.23 CAS : 537-55-3 Assay : ≥98% Store at 2 - 8°C	TC055-5G TC055-25G TC055-100G	5gm 25gm 100gm
L-Alanine (From non-animal source) Cell Culture Tested C ₃ H ₇ NO ₂ MW : 89.09 CAS : 56-41-7 Assay : ≥99% Store below 30°C	TC056-25G TC056-100G TC056-500G TC056-1KG	25gm 100gm 500gm 1kg
L-Alanyl-L-glutamine (Glutamine-S) Cell Culture Tested C ₈ H ₁₅ N ₃ O ₄ MW : 217.22 CAS : 39537-23-0 Assay : ≥98% Store below 30°C	TC089-5G TC089-25G TC089-100G	5gm 25gm 100gm
L-Arginine (From non-animal source) Cell Culture Tested C ₆ H ₁₄ N ₄ O ₂ MW : 174.2 CAS : 74-79-3 Assay : ≥98% Store below 30°C	TC052-25G TC052-100G TC052-500G TC052-1KG	25gm 100gm 500gm 1kg
L-Arginine monohydrochloride (From non-animal source) Cell Culture Tested C ₆ H ₁₄ N ₄ O ₂ .HCl MW : 210.66 CAS : 1119-34-2 Assay : ≥98.5% Store below 30°C	TC053-25G TC053-100G TC053-500G TC053-1KG	25gm 100gm 500gm 1kg
L-Asparagine monohydrate (From non-animal source) Cell Culture Tested C ₄ H ₈ N ₂ O ₄ .H ₂ O MW : 150.13 CAS : 5794-13-8 Assay : ≥99% Store below 30°C	TC057-25G TC057-100G TC057-500G TC057-1KG	25gm 100gm 500gm 1kg
L-Aspartic acid (From non-animal source) Cell Culture Tested C ₄ H ₇ NO ₄ MW : 133.1 CAS : 56-84-8 Assay : ≥99% Store below 30°C	TC059-25G TC059-100G TC059-500G	25gm 100gm 500gm

Product	Code	Packing
L-Cysteine hydrochloride monohydrate (From non animal source) Cell Culture Tested C ₃ H ₇ NO ₂ S.HCl.H ₂ O MW : 175.63 CAS : 7048-04-6 Assay : ≥98.5% Store below 30°C	TC058-25G TC058-100G TC058-500G TC058-1KG	25gm 100gm 500gm 1kg
L-Cysteine (From non-animal source) Cell Culture Tested C ₃ H ₇ NO ₂ S MW : 121.16 CAS : 52-90-4 Assay : ≥98% Store below 30°C	TC060-25G TC060-100G TC060-500G TC060-1KG	25gm 100gm 500gm 1kg
L-Cystine (From non animal source) Cell Culture Tested C ₆ H ₁₂ N ₂ O ₂ S ₂ MW : 240.3 CAS : 56-89-3 Assay : ≥99% Store below 30°C	TC070-25G TC070-100G TC070-500G TC070-1KG	25gm 100gm 500gm 1kg
L-Cystine dihydrochloride (From non animal source) Cell Culture Tested C ₆ H ₁₂ N ₂ O ₂ S ₂ .2HCl MW : 313.22 CAS : 30925-07-6 Assay : ≥98.5% Store below 30°C	TC062-25G TC062-100G TC062-500G TC062-1KG	25gm 100gm 500gm 1kg
L-Glutamic acid (From non-animal source) Cell Culture Tested C ₅ H ₉ NO ₄ MW : 147.13 CAS : 56-86-0 Assay : ≥98.5% Store below 30°C	TC074-25G TC074-100G TC074-500G TC074-1KG	25gm 100gm 500gm 1kg
L-Glutamic acid monosodium monohydrate (From non-animal source) Cell Culture Tested C ₅ H ₈ NNaO ₄ .H ₂ O MW : 187.13 CAS : 6106-04-3 Assay : ≥99% Store below 30°C	TC064-100G TC064-500G TC064-1KG	100gm 500gm 1kg
L-Glutamine (From non-animal source) Cell Culture Tested C ₅ H ₁₀ N ₂ O ₃ MW : 146.14 CAS : 56-85-9 Assay : ≥99% Store below 30°C	TC243-10G TC243-25G TC243-100G TC243-1KG	10gm 25gm 100gm 1kg
Glycine Cell Culture Tested C ₂ H ₅ NO ₂ MW : 75.07 CAS : 56-40-6 Assay : ≥98% Store below 30°C	TC075-100G TC075-1KG	100gm 1kg
L-Histidine (From non-animal source) Cell Culture Tested C ₆ H ₉ N ₃ O ₂ MW : 155.15 CAS : 71-00-1 Assay : ≥98.5% Store below 30°C	TC076-100G TC076-500G TC076-1KG	100gm 500gm 1kg

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Product	Code	Packing
L-Histidine monohydrochloride monohydrate (From non-animal source) Cell Culture Tested $C_6H_{12}N_2O_2 \cdot HCl \cdot H_2O$ MW : 209.63 CAS : 5934-29-2 Assay : $\geq 99\%$ Store below 30°C	TC077-25G TC077-100G TC077-1KG	25gm 100gm 1kg
L-Isoleucine (From non-animal source) Cell Culture Tested $C_6H_{13}NO_2$ MW : 131.17 CAS : 73-32-5 Assay : $\geq 99\%$ Store below 30°C	TC049-10G TC049-25G TC049-100G TC049-1KG	10gm 25gm 100gm 1kg
L-Leucine (From non-animal source) Cell Culture Tested $C_6H_{13}NO_2$ MW : 131.17 CAS : 61-90-5 Assay : $\geq 99\%$ Store below 30°C	TC078-10G TC078-25G TC078-100G TC078-1KG	10gm 25gm 100gm 1kg
L-Lysine (From non-animal source) Cell Culture Tested $C_6H_{14}N_2O_2$ MW : 146.19 CAS : 56-87-1 Assay : $\geq 98.5\%$ Store below 30°C	TC207-25G TC207-100G TC207-500G TC207-1KG	25gm 100gm 500gm 1kg
L-Lysine monohydrochloride (From non-animal source) Cell Culture Tested $C_6H_{14}N_2O_2 \cdot HCl$ MW : 182.65 CAS : 657-27-2 Assay : $\geq 98.5\%$ Store below 30°C	TC079-25G TC079-100G TC079-1KG	25gm 100gm 1kg
L-Methionine (From non-animal source) Cell Culture Tested $C_5H_{11}NO_2S$ MW : 149.21 CAS : 63-68-3 Assay : $\geq 99\%$ Store below 30°C	TC080-25G TC080-100G TC080-1KG	25gm 100gm 1kg
L-Ornithine monohydrochloride (From non-animal source) Cell Culture Tested $C_5H_{12}N_2O_2 \cdot HCl$ MW : 168.62 CAS : 3184-13-2 Assay : $\geq 99\%$ Store below 30°C	TC093-25G TC093-100G TC093-500G TC093-1KG	25gm 100gm 500gm 1kg
L-Phenylalanine (From non-animal source) Cell Culture Tested $C_9H_9NO_2$ MW : 165.19 CAS : 63-91-2 Assay : $\geq 98.5\%$ Store below 30°C	TC098-10G TC098-25G TC098-100G TC098-1KG	10gm 25gm 100gm 1kg
L-Proline (From non-animal source) Cell Culture Tested $C_5H_9NO_2$ MW : 115.13 CAS : 147-85-3 Assay : $\geq 98.5\%$ Store below 30°C	TC109-25G TC109-100G TC109-500G TC109-1KG	25gm 100gm 500gm 1kg

Product	Code	Packing
DL-Serine (±)-2-Amino-3-hydroxypropionic acid Cell Culture Tested $C_3H_7NO_3$ MW : 105.09 CAS : 302-84-1 Assay : $\geq 98\%$ Store below 30°C	TC377-25G TC377-100G	25gm 100gm
L-Serine (From non-animal source) Cell Culture Tested $C_3H_7NO_3$ MW : 105.09 CAS : 56-45-1 Assay : $\geq 98.5\%$ Store below 30°C	TC113-25G TC113-100G TC113-500G TC113-1KG	25gm 100gm 500gm 1kg
Taurine (From non-animal source) Cell Culture Tested $C_2H_7NO_2S$ MW : 125.15 CAS : 107-35-7 Assay : $\geq 99\%$ Store below 30°C	TC028-25G TC028-100G TC028-500G TC028-1KG	25gm 100gm 500gm 1kg
DL-Threonine (±)-2-Amino-3-hydroxybutyric acid Cell Culture Tested $C_4H_9NO_3$ MW : 119.12 CAS : 80-68-2 Assay : $\geq 99\%$ Store below 30°C	TC378-25G TC378-100G	25gm 100gm
L-Threonine (From non-animal source) Cell Culture Tested $C_4H_9NO_3$ MW : 119.12 CAS : 72-19-5 Assay : $\geq 99\%$ Store below 30°C	TC120-25G TC120-100G TC120-500G TC120-1KG	25gm 100gm 500gm 1kg
L-Tryptophan (From non-animal source) Cell Culture Tested $C_{11}H_{12}N_2O_2$ MW : 204.23 CAS : 73-22-3 Assay : $\geq 99\%$ Store below 30°C	TC121-25G TC121-100G TC121-500G TC121-1KG	25gm 100gm 500gm 1kg
L-Tyrosine (From non-animal source) Cell Culture Tested $C_9H_9NO_3$ MW : 181.19 CAS : 60-18-4 Assay : $\geq 95\%$ Store below 30°C	TC122-25G TC122-100G TC122-500G TC122-1KG	25gm 100gm 500gm 1kg
L-Tyrosine disodium salt hydrate L-3-(4-Hydroxyphenyl)alanine disodium salt (From non-animal source) Cell Culture Tested $C_9H_9NO_3 \cdot 2Na \cdot XH_2O$ MW : 225.15 CAS : 69847-45-6 Assay : $\geq 98\%$ Store below 30°C	TC461-25G TC461-100G TC461-500G	25gm 100gm 500gm

Product	Code	Packing
L-Tyrosine disodium salt, dihydrate	TC477-25G	25gm
L-3-(4-Hydroxyphenyl)alanine disodium salt (From non-animal source)	TC477-100G	100gm
Cell Culture Tested	TC477-500G	500gm
$C_9H_9NO_3 \cdot 2Na \cdot 2H_2O$ MW : 261.19 CAS : 122666-87-9 Assay : $\geq 95\%$ Store below 30°C		
L-Valine	TC132-25G	25gm
(From non-animal source)	TC132-100G	100gm
(L-2-Amino-3-methylbutanoic acid)	TC132-500G	500gm
Cell Culture Tested	TC132-1KG	1kg
$C_6H_{11}NO_2$ MW : 117.15 CAS : 72-18-4 Assay : $\geq 99\%$ Store below 30°C		

FMOC Amino Acids

Fmoc-Aib-OH	TC653-1G	1gm
N- α -Fmoc- α -aminoisobutyric acid	TC653-5G	5gm
$C_{19}H_{19}NO_4$ MW : 325.36 CAS : 94744-50-0 Assay : $\geq 99\%$ Store at 2 - 8°C		
Fmoc-Ala-OH	TC654-5G	5gm
Fmoc-L-alanine; N-(9-Fluorenylmethoxycarbonyl)-L-alanine,	TC654-25G	25gm
$C_{24}H_{27}NO_4$	TC654-100G	100gm
MW : 311.33 CAS : 35661-39-3	TC654-1KG	1kg
Assay : $\geq 99\%$ Store at 2 - 8°C		
Fmoc -L-Arg(Pbf)-OH	TC655-5G	5gm
N $_{\epsilon}$ -Fmoc-N $_{\omega}$ -Pbf-L-arginine	TC655-25G	25gm
$C_{34}H_{40}N_4O_5S$	TC655-100G	100gm
MW : 648.77 CAS : 154445-77-9	TC655-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		
Fmoc -D-Arg(Pbf)-OH New	TC743-1G	1gm
N $_{\epsilon}$ -Fmoc-N $_{\omega}$ -Pbf-D-arginine	TC743-5G	5gm
$C_{34}H_{40}N_4O_5S$ MW : 648.77 CAS : 187618-60-6 Assay : $\geq 99\%$ Store below 30°C		
Fmoc-Asn(trt)-OH	TC656-5G	5gm
N $_{\epsilon}$ -Fmoc-N $_{\gamma}$ -trityl-L-asparagine	TC656-25G	25gm
$C_{38}H_{32}N_2O_5$	TC656-100G	100gm
MW : 596.67 CAS : 132388-59-1	TC656-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		
Fmoc-L-Asp(OtBu)-OH	TC657-5G	5gm
Fmoc-L-aspartic acid 4-tert-butyl ester	TC657-25G	25gm
$C_{23}H_{25}NO_6$	TC657-100G	100gm
MW : 411.45 CAS : 71989-14-5	TC657-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		

Product	Code	Packing
Fmoc-Cys(Acm)-OH	TC658-5G	5gm
N $_{\epsilon}$ -Fmoc-S-acetaminomethyl-L-cysteine	TC658-25G	25gm
$C_{21}H_{22}N_2O_5S$ MW : 414.47 CAS : 86060-81-3 Assay : $\geq 99\%$ Store below 30°C		
Fmoc -L-Cys(SiBu)-OH	TC659-1G	1gm
N $_{\epsilon}$ -Fmoc-S-tert-butylthio-L-cysteine		
$C_{22}H_{25}NO_4S_2$ MW : 431.57 CAS : 73724-43-3 Assay : $\geq 99\%$ Store below 30°C		
Fmoc-Cys(Trt)-OH	TC660-5G	5gm
N $_{\epsilon}$ -Fmoc-S-trityl-L-cysteine	TC660-25G	25gm
$C_{37}H_{31}NO_4S$	TC660-100G	100gm
MW : 585.71 CAS : 103213-32-7	TC660-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		
Fmoc -L-Gln(Trt)-OH	TC661-5G	5gm
N $_{\epsilon}$ -Fmoc-N $^{\alpha}$ -trityl-L-glutamine	TC661-25G	25gm
$C_{39}H_{34}N_2O_5$	TC661-100G	100gm
MW : 610.7 CAS : 132327-80-1	TC661-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		
Fmoc-Glu-OtBu New	TC745-1G	1gm
N- α -Fmoc-L-glutamic acid- α -t-butyl ester	TC745-5G	5gm
$C_{24}H_{27}NO_5$ MW : 425.47 CAS : 84793-07-7 Assay : $\geq 99\%$ Store below 30°C		
Fmoc -L-Glu(otBu)-OH	TC662-5G	5gm
Fmoc-L-glutamic acid 5-tert-butyl ester	TC662-25G	25gm
$C_{24}H_{27}NO_5$	TC662-100G	100gm
MW : 425.47 CAS : 71989-18-9	TC662-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		
Fmoc-Gly-OH	TC663-5G	5gm
Fmoc-glycine	TC663-25G	25gm
$C_{17}H_{15}NO_4$	TC663-100G	100gm
MW : 297.31 CAS : 29022-11-5	TC663-500G	500gm
Assay : $\geq 99\%$ Store below 30°C		
Fmoc-L-His(trt)-OH	TC664-5G	5gm
N $_{\epsilon}$ -Fmoc-N $_{(m)}$ -trityl-L-histidine	TC664-25G	25gm
$C_{40}H_{33}N_3O_4$	TC664-100G	100gm
MW : 619.71 CAS : 109425-51-6	TC664-1KG	1kg
Assay : $\geq 99\%$ Store below 30°C		
Fmoc-Hyp(tBu)-OH New	TC746-1G	1gm
Fmoc-O-tert-butyl-L-hydroxyproline	TC746-5G	5gm
$C_{24}H_{25}NO_5$	TC746-25G	25gm
MW : 409.47 CAS : 122996-47-8 Assay : $\geq 99\%$ Store below 30°C		

Product	Code	Packing
Fmoc-Ile-OH Fmoc-L-isoleucine $C_{21}H_{23}NO_4$ MW : 353.41 CAS : 71989-23-6 Assay : $\geq 99\%$ Store below 30°C	TC665-5G TC665-25G TC665-100G TC665-1KG	5gm 25gm 100gm 1kg
Fmoc -L-Leu-OH Fmoc-L-leucine $C_{21}H_{23}NO_4$ MW : 353.41 CAS : 35661-60-0 Assay : $\geq 99\%$ Store below 30°C	TC666-5G TC666-25G TC666-100G TC666-1KG	5gm 25gm 100gm 1kg
Fmoc-Lys(Ac)-OH New N- α -Fmoc-N- ϵ -acetyl-L-lysine $C_{23}H_{26}N_2O_5$ MW : 410.46 CAS : 159766-56-0 Assay : $\geq 99\%$ Store below 30°C	TC747-1G TC747-5G TC747-25G	1gm 5gm 25gm
Fmoc -L-Lys(Boc)-OH N- α -Fmoc-N(Boc)-L-lysine $C_{26}H_{32}N_2O_6$ MW : 468.54 CAS : 71989-26-9 Assay : $\geq 99\%$ Store below 30°C	TC667-5G TC667-25G TC667-100G TC667-1KG	5gm 25gm 100gm 1kg
Fmoc-Lys(Dde)-OH N- α -Fmoc-N-1-(4,4-dimethyl-2,6-dioxycyclohex-1-ylidene)ethyl-L-lysine $C_{31}H_{36}N_2O_6$ MW : 532.63 CAS : 150629-67-7 Assay : $\geq 99\%$ Store below 30°C	TC668-1G	1gm
Fmoc-Lys(Mtt)-OH New N- α -Fmoc-N- ϵ -4-methyltrityl-L-lysine $C_{41}H_{40}N_2O_6$ MW : 624.77 CAS : 167393-62-6 Assay : $\geq 99\%$ Store below 30°C	TC748-1G TC748-5G TC748-25G	1gm 5gm 25gm
Fmoc-L-Met-OH Fmoc-L-methionine $C_{20}H_{21}NO_3S$ MW : 371.45 CAS : 71989-28-1 Assay : $\geq 99\%$ Store below 30°C	TC669-5G TC669-25G TC669-100G	5gm 25gm 100gm
Fmoc-Orn(Boc)-OH N- α -Fmoc-N(Boc)-L-Ornithin $C_{25}H_{30}N_2O_6$ MW : 454.52 CAS : 109425-55-0 Assay : $\geq 99\%$ Store below 30°C	TC670-5G TC670-25G	5gm 25gm
Fmoc L-Phe-OH Fmoc-L-phenylalanine $C_{24}H_{21}NO_4$ MW : 387.43 CAS : 35661-40-6 Assay : $\geq 99\%$ Store below 30°C	TC671-5G TC671-25G TC671-100G	5gm 25gm 100gm
Fmoc-Pro-OH Fmoc-L-proline $C_{20}H_{19}NO_4$ MW : 337.37 CAS : 71989-31-6 Assay : $\geq 99\%$ Store below 30°C	TC672-5G TC672-50G TC672-250G	5gm 50gm 250gm

Product	Code	Packing
Fmoc -L-Ser(tBu)-OH Fmoc-O-tert-butyl-L-serine $C_{22}H_{25}NO_5$ MW : 383.44 CAS : 71989-33-8 Assay : $\geq 99\%$ Store below 30°C	TC673-5G TC673-25G TC673-100G TC673-1KG	5gm 25gm 100gm 1kg
Fmoc-Thr(tBu)-OH Fmoc-O-tert-butyl-L-threonine $C_{23}H_{27}NO_5$ MW : 397.46 CAS : 71989-35-0 Assay : $\geq 99\%$ Store below 30°C	TC674-5G TC674-25G TC674-100G TC674-1KG	5gm 25gm 100gm 1kg
Fmoc-D-Thr(OtBu)-OH New Fmoc-O-tert-butyl-D-threonine $C_{23}H_{27}NO_5$ MW : 397.46 CAS : 138797-71-4 Assay : $\geq 99\%$ Store below 30°C	TC744-5G TC744-25G	5gm 25gm
Fmoc -L-Trp(Boc)-OH N- α -Fmoc-N(Boc)-L-tryptophan $C_{31}H_{30}N_2O_6$ MW : 526.58 CAS : 143824-78-6 Assay : $\geq 99\%$ Store below 30°C	TC675-5G TC675-25G TC675-100G TC675-1KG	5gm 25gm 100gm 1kg
Fmoc -L-Tyr(tBu)-OH Fmoc-O-tert-butyl-L-tyrosine $C_{28}H_{29}NO_5$ MW : 459.53 CAS : 71989-38-3 Assay : $\geq 99\%$ Store below 30°C	TC676-5G TC676-25G TC676-100G TC676-1KG	5gm 25gm 100gm 1kg
Fmoc-L-Val-OH Fmoc-L-valine $C_{20}H_{21}NO_4$ MW : 339.39 CAS : 68858-20-8 Assay : $\geq 99\%$ Store below 30°C	TC677-50G TC677-250G TC677-500G	50gm 250gm 500gm

Product	Code	Packing
Antibiotics		
Contamination Control Antibiotics		
Actinomycin D Cell Culture Tested Recommended for use in cell culture applications at 1mg/L $C_{62}H_{86}N_{12}O_{16}$ MW : 1255.42 CAS : 50-76-0 Assay : $\geq 97.5\%$ Store at 2 - 8°C	TC018-5MG TC018-2X5MG TC018-5X5MG	5mg 2x5mg 5x5mg
Amphotericin B Cell Culture Tested Recommended for use in cell culture applications at 2.5 mg/L $C_{47}H_{73}NO_{17}$ MW : 924.08 CAS : 1397-89-3 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC019-1G TC019-5G	1gm 5gm
Ampicillin sodium salt Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L $C_{16}H_{18}N_3NaO_5S$ MW : 371.39 CAS : 69-52-3 Assay : $\geq 91\%$ Potency : $\geq 845 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC021-1G TC021-5G TC021-25G	1gm 5gm 25gm
Bacitracin 50,000 units per vial Cell Culture Tested $C_{66}H_{103}N_{17}O_{16}S$ MW : 1422.69 CAS : 1405-87-4 Potency : $\geq 60 \text{ units}/\text{mg}$ Store at 2 - 8°C	TC201-1VL TC201-5VL	1vl 5vl
*Blasticidin S Hydrochloride Blasticidin S Cell Culture Tested $C_{17}H_{26}N_8O_5 \cdot \text{HCl}$ MW : 458.9 CAS : 3513-03-9 Assay : $\geq 99.5\%$ Store at 2 - 8°C	TC421-25MG TC421-100MG TC421-1G	25mg 100mg 1gm
Carbenicillin disodium salt Cell Culture Tested $C_{17}H_{16}N_2O_6 \cdot \text{SNa}_2$ MW : 422.36 CAS : 4800-94-6 Potency : $\geq 770 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC199-250MG TC199-1G TC199-5G TC199-10G	250mg 1gm 5gm 10gm
Cephalothin sodium salt Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L $C_{16}H_{15}N_2NaO_5S_2$ MW : 418.42 CAS : 58-71-9 Assay : $\geq 95\%$ Store at 2 - 8°C	TC022-250MG TC022-1G TC022-5G	250mg 1gm 5gm

Product	Code	Packing
*Cefotaxime Sodium Salt Cell Culture Tested $C_{16}H_{16}N_4O_7S_2Na$ MW : 477.45 CAS : 64485-93-4 Assay : $\geq 98\%$ Potency : 916-964 $\mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC352-1G TC352-5G TC352-25G	1gm 5gm 25gm
Chloramphenicol Cell Culture Tested $C_{11}H_{12}Cl_2N_2O_5$ MW : 323.13 CAS : 56-75-7 Assay : $\geq 98\%$ Store below 30°C	TC204-5G TC204-25G	5gm 25gm
Ciprofloxacin hydrochloride monohydrate Cell Culture Tested $C_{17}H_{18}FN_3O_3 \cdot \text{HCl} \cdot \text{H}_2\text{O}$ MW : 385.82 CAS : 86393-32-0 Assay : $\geq 98\%$ Store below 30°C	TC447-1G TC447-5G TC447-25G	1gm 5gm 25gm
Cycloheximide Cell Culture Tested $C_{15}H_{23}NO_4$ MW : 281.35 CAS : 66-81-9 Assay : $\geq 96\%$ Store at 2 - 8°C	TC196-1G TC196-5G	1gm 5gm
Erythromycin Cell Culture Tested Recommended for use in cell culture applications at 100 mg /L $C_{37}H_{67}NO_{13}$ MW : 733.93 CAS : 114-07-8 Assay : $\geq 98\%$ Potency : $\geq 920 \text{ units}/\text{mg}$ Store below 30°C	TC024-1G TC024-5G	1gm 5gm
Gentamicin sulphate Cell Culture Tested Recommended for use in Cell Culture application at 50 mg/L $C_{21}H_{43}N_7O_6 \cdot \text{S}$ MW : 482.58 CAS : 1405-41-0 Potency : $\geq 590 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC026-1G TC026-5G TC026-25G	1gm 5gm 25gm
Kanamycin sulphate Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L $C_{18}H_{36}N_4O_{11} \cdot \text{H}_2\text{SO}_4$ MW : 582.58 CAS : 25389-94-0 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC136-1G TC136-5G TC136-25G	1gm 5gm 25gm
*Kanamycin acid sulphate New $C_{18}H_{40}N_4O_{19}S_2$ MW : 680.64 CAS : 64013-70-3 Potency : $\geq 670 \text{ Units}/\text{mg}$ Store at 2 - 8°C	TC636-5G TC636-25G	5gm 25gm

*Delivery after 4 - 6 weeks

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Product	Code	Packing
<p>* Kanamycin sulphate Gamma irradiated Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L $C_{18}H_{36}N_4O_{11}H_2SO_4$ MW : 582.58 CAS : 25389-94-0 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC136G-1G TC136G-5G TC136G-25G</p>	<p>1gm 5gm 25gm</p>
<p>Lincomycin hydrochloride (Lincocin hydrochloride) Cell Culture Tested $C_{18}H_{34}N_4O_6S.HCl$ MW : 443.0 CAS : 859-18-7 Assay : $\geq 95\%$ Store at 2 - 8°C</p>	<p>TC203-1X1MU TC203-5X1MU</p>	<p>1x1mu 5x1mu</p>
<p>Minocycline hydrochloride Cell Culture Tested $C_{23}H_{27}N_3O_7.HCl$ MW : 493.94 CAS : 13614-98-7 Assay : $\geq 98\%$ Store at 2 - 8°C</p>	<p>TC274-25MG TC274-100MG TC274-250MG TC274-1G</p>	<p>25mg 100mg 250mg 1gm</p>
<p>* Mitomycin C Cell Culture Tested $C_{15}H_{18}N_4O_5$ MW : 334.33 CAS : 50-07-7 Potency : $\geq 970 \mu\text{g}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC406-10MG</p>	<p>10mg</p>
<p>Mycostatin (see: Nystatin) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L CAS : 1400-61-9 Potency : $\geq 4400 \text{ USP units}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC032-1X1MU TC032-5X1MU TC032-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>
<p>Mycostatin Gamma irradiated (see: Nystatin Gamma irradiated) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L $C_{47}H_{75}NO_{17}$ MW : 926.09 CAS : 1400-61-9 Potency : $\geq 4400 \text{ USP units}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC032G-1X1MU TC032G-5X1MU TC032G-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>
<p>* Natamycin Cell Culture Tested $C_{33}H_{47}NO_{13}$ MW : 665.73 CAS : 7681-93-8 Assay : $\geq 900 \mu\text{g}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC407-100MG TC407-1G</p>	<p>100mg 1gm</p>
<p>Nystatin (see: Mycostatin) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L CAS : 1400-61-9 Potency : $\geq 4400 \text{ USP units}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC032-1X1MU TC032-5X1MU TC032-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>

Product	Code	Packing
<p>Nystatin Gamma irradiated (see: Mycostatin Gamma irradiated) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L $C_{47}H_{75}NO_{17}$ MW : 926.09 CAS : 1400-61-9 Potency : $\geq 4400 \text{ USP units}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC032G-1X1MU TC032G-5X1MU TC032G-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>
<p>Oxytetracycline dihydrate Cell Culture Tested $C_{22}H_{24}N_2O_8.2H_2O$ MW : 496.46 CAS : 6153-64-6 Assay : $\geq 98\%$ Potency : $\geq 832 \mu\text{g}/\text{mg}$ Store below 30°C</p>	<p>TC200-1G TC200-10G</p>	<p>1gm 10gm</p>
<p>Paromomycin sulfate Cell Culture Tested $C_{23}H_{45}N_5O_{14}.H_2SO_4$ MW : 713.71 CAS : 1263-89-4 Assay : $\geq 98\%$ Potency : $\geq 675 \mu\text{g}/\text{mg}$ Store below 30°C</p>	<p>TC353-1G TC353-5G</p>	<p>1gm 5gm</p>
<p>Penicillin G Potassium Salt Cell Culture Tested 1 million units per vial $C_{16}H_{17}KN_2O_6S$ MW : 372.48 CAS : 113-98-4 Assay : $\geq 99\%$ Potency : 1400-1680 U/mg Store at 2 - 8°C</p>	<p>TC187-1MU TC187-10MU TC187-100MU</p>	<p>1mu 10mu 100mu</p>
<p>Penicillin G sodium salt Cell Culture Tested 1 million units/vl Recommended for use in cell culture applications at 100000 U/L $C_{16}H_{17}N_2NaO_6S$ MW : 356.37 CAS : 69-57-8 Potency : 1500-1750 IU/mg Store at 2 - 8°C</p>	<p>TC020-1X1MU TC020-10X1MU TC020-25X1MU TC020-100X1MU</p>	<p>1x1mu 10x1mu 25x1mu 100x1mu</p>
<p>Polymyxin B sulfate Cell Culture Tested (1million units/vial) Recommended for use in cell culture applications at 50mg/L $C_{55}H_{96}N_{16}O_{13}.2H_2SO_4$ MW : 1385.61 CAS : 1405-20-5 Potency : $\geq 6500 \text{ IU}/\text{mg}$ Store at 2 - 8°C</p>	<p>TC033-1X1MU TC033-5X1MU TC033-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>
<p>Rifampicin (Rifampin) Cell Culture Tested $C_{43}H_{58}N_4O_{12}$ MW : 822.94 CAS : 13292-46-1 Assay : $\geq 97\%$ Store at 2 - 8°C</p>	<p>TC354-1G TC354-5G</p>	<p>1gm 5gm</p>
<p>* Sparfloxacin 5-Amino-1-cyclohexyl-7-(cis-3,5-dimethylpiperazino)-6,8-difluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid Cell Culture Tested $C_{19}H_{22}F_2N_4O_3$ MW : 392.4 CAS : 110871-86-8 Assay : $\geq 98\%$ Store at 2 - 8°C</p>	<p>TC408-1G TC408-10G</p>	<p>1gm 10gm</p>

*Delivery after 4 - 6 weeks

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For TC chemical pricing refer Chemical price list

Product	Code	Packing
Spectinomycin dihydrochloride pentahydrate Cell Culture Tested Recommended for use in cell culture application at 7.5-20 mg/L $C_{24}H_{24}N_2O_{17} \cdot 2HCl \cdot 5H_2O$ MW : 495.35 CAS : 22189-32-8 Potency : $\geq 603 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC034-1G TC034-5G TC034-25G	1gm 5gm 25gm
Streptomycin sulphate Cell Culture Tested Recommended for use in cell culture application at 100 mg/L $C_{21}H_{39}N_7O_{17} \cdot 1.5 H_2SO_4$ MW : 728.69 CAS : 3810-74-0 Potency : $\geq 730 \text{ Units}/\text{mg}$ Store at 2 - 8°C	TC035-5G TC035-25G	5gm 25gm
Tetracycline hydrochloride Cell Culture Tested Recommended for use in Cell culture applications at 10 mg/L $C_{22}H_{24}N_2O_8 \cdot HCl$ MW : 480.9 CAS : 64-75-5 Potency : $\geq 720 \text{ IU}/\text{mg}$ Store at 2 - 8°C	TC036-5G TC036-25G	5gm 25gm
Thimerosal Cell Culture Tested Thiomersal; Thiomersalate; Mercurothiolate; Sodium merthiolate; Sodium ethylmercurithiosalicylate $C_9H_9HgNaO_2S$ MW : 404.81 CAS : 54-64-8 Assay : $\geq 97\%$ Store below 30°C	TC470-10G TC470-25G TC470-100G TC470-500G	10gm 25gm 100gm 500gm
Tylosin tartrate Cell Culture Tested Potency : $\geq 900 \text{ U}/\text{mg}$ Store at 2 - 8°C	TC205-1G TC205-5G TC205-10G	1gm 5gm 10gm
Vancomycin hydrochloride Cell Culture Tested $C_{66}H_{75}Cl_2N_9O_{24} \cdot HCl$ MW : 1485.71 CAS : 1404-93-9 Assay : $\geq 80\%$ Potency : $\geq 900 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC202-500MG TC202-1G TC202-5G	500mg 1gm 5gm
Gene Selection Antibiotics		
G418 disulfate salt (Geneticin disulphate) Cell Culture Tested Recommended for use in Cell Culture application at 100-800 mg/L $C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$ MW : 692.71 CAS : 108321-42-2 Potency : $\geq 650 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC025-1G TC025-5G	1gm 5gm
Hygromycin-B Cell Culture Tested Recommended for use in cell culture applications at 200-400 mg/L $C_{20}H_{37}N_3O_{13}$ MW : 527.52 CAS : 31282-04-9 Assay : $\geq 80\%$ Potency : $\geq 1170 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC027-50MG TC027-100MG TC027-250MG TC027-1G	50mg 100mg 250mg 1gm

Product	Code	Packing
* Methotrexate Disodium Salt Cell Culture Tested $C_{20}H_{20}N_8Na_2O_5$ MW : 498.4 CAS : 7413-34-5 Assay : $\geq 98.5\%$ Store at 2 - 8°C	TC404-250MG	250mg
* Mycophenolic acid Cell Culture Tested $C_{20}H_{20}N_2Na_2O_5$ MW : 320.34 CAS : 24280-93-1 Assay : $\geq 99\%$ Store at 2 - 8°C	TC405-25MG TC405-50MG TC405-250MG	25mg 50mg 250mg
Neomycin sulfate salt Cell Culture Tested Recommended for use in cell culture application at 50 mg/L $C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4$ MW : 908.88 CAS : 1405-10-3 Potency : $\geq 680 \text{ IU}/\text{mg}$ Store below 30°C	TC031-5G TC031-25G	5gm 25gm
Puromycin dihydrochloride Cell Culture Tested $C_{22}H_{29}N_7O_5 \cdot 2HCl$ MW : 544.43 CAS : 58-58-2 Assay : $\geq 98\%$ Store at 2 - 8°C	TC198-10MG TC198-25MG	10mg 25mg
Anticancer Antibiotics		
* 17-AAG 17-(Allylamino)-17-demethoxygeldanamycin Cell Culture Tested $C_{31}H_{43}N_3O_8$ MW : 585.69 CAS : 75747-14-7 Assay : $\geq 99\%$ Store at 2 - 8°C	TC409-1MG TC409-5MG	1mg 5mg
* Avermectin B1a, EvoPure® 5-O-Demethylavermectin A1a Cell Culture Tested $C_{48}H_{72}O_{14}$ MW : 873.1 CAS : 65195-55-3 Assay : $\geq 97\%$ Store at -20°C	TC410-5MG	5mg
* Conglobatin (3Z,5R,7S,8S,11Z,13R,15S,16S)-3,5,7,11,13,15-hexamethyl-8,16-bis(1, 3-oxazol-5-ylmethyl)-1,9-dioxacyclohexadeca-3,11-diene-2,10-dione Cell Culture Tested $C_{28}H_{38}N_2O_6$ MW : 498.61 CAS : 72263-05-9 Assay : $\geq 95\%$ Store at -20°C	TC411-1MG	1mg
* Erlotinib Hydrochloride Cell Culture Tested $C_{22}H_{23}N_3O_4$ MW : 492.9 CAS : 183321-74-6 Assay : $\geq 98\%$ Store at 2 - 8°C	TC412-1G TC412-5G	1gm 5gm

* Delivery after 4 - 6 weeks

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Product	Code	Packing
<p>* Gefitinib Cell Culture Tested $C_{22}H_{24}ClFN_4O_3$ MW : 446.9 CAS : 184475-35-2 Assay : $\geq 98\%$ Store at 2 - 8°C</p>	<p>TC414-1G TC414-5G</p>	<p>1gm 5gm</p>
<p>* Geldanamycin 2-azabicyclo[16.3.1]docosa-4, 6, 10, 18, 21-pentaene-3, 20, 22-trione, 9, 13-dihydroxy-8, 14, 19-trimethoxy-4, 10, 12, 16-tetramethyl-9-carbamate Cell Culture Tested $C_{29}H_{30}N_2O_9$ MW : 560.64 CAS : 30562-34-6 Assay : $\geq 99\%$ Store at 2 - 8°C</p>	<p>TC415-25MG TC415-50MG TC415-100MG</p>	<p>25mg 50mg 100mg</p>
<p>* Paclitaxel Taxol Cell Culture Tested $C_{47}H_{51}NO_{14}$ MW : 853.9 CAS : 33069-62-4 Assay : $\geq 95\%$ Store at 2 - 8°C</p>	TC413-10MG	10mg
<p>* Rapamycin 23,27-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentacontine, AY 22989, Sirolimus Cell Culture Tested $C_{51}H_{79}NO_{13}$ MW : 914.17 CAS : 53123-88-9 Assay : $\geq 98\%$ Store at 2 - 8°C</p>	<p>TC416-10MG TC416-50MG</p>	<p>10mg 50mg</p>
<p>* Streptozotocin N-(methyl nitroso carbamoyl)-α-D-glucosamine Cell Culture Tested $C_8H_{15}N_3O_7$ MW : 265.22 CAS : 18883-66-4 Assay : $\geq 98\%$ Store at -20°C</p>	<p>TC418-100MG TC418-1G</p>	<p>100mg 1gm</p>
Cytotoxic Anticancer Antibiotics		
<p>* Aclarubicin Hydrochloride Cell Culture Tested $C_{42}H_{53}NO_{15} \cdot HCl$ MW : 848.33 CAS : 75443-99-1 Assay : $\geq 90\%$ Store at 2 - 8°C</p>	TC419-5MG	5mg
<p>* Daunorubicin Hydrochloride Cell Culture Tested $C_{27}H_{29}NO_{10} \cdot HCl$ MW : 563.98 CAS : 23541-50-6 Assay : $\geq 90\%$ Store at 2 - 8°C</p>	<p>TC417-5MG TC417-25MG</p>	<p>5mg 25mg</p>
<p>* Doxorubicin Hydrochloride DOX, Hydroxydaunorubicin hydrochloride $C_{27}H_{29}NO_{11} \cdot HCl$ MW : 579.98 CAS : 25316-40-9 Assay : $\geq 98\%$ Store at 2 - 8°C</p>	TC420-10MG	10mg

Product	Code	Packing
Attachment Factors		
<p>Chitosan Source: Shrimp shells Cell Culture Tested $(C_6H_{11}NO_4)_n$ MW : 3800 - 20000 Daltons Degree of Deacetylation : $\geq 75\%$ Store below 30°C</p>	<p>TC242-50G TC242-100G TC242-500G</p>	<p>50gm 100gm 500gm</p>
<p>Chitosan Source: Shrimp shells Cell Culture Tested $(C_6H_{11}NO_4)_n$ MW : 3800 - 20000 Daltons Degree of Deacetylation : $\geq 90\%$ Store below 30°C</p>	<p>TC633-50G TC633-100G TC633-500G</p>	<p>50gm 100gm 500gm</p>
<p>Chondroitin sulfate A sodium salt Cell Culture Tested CAS : 39455-18-0 Assay : $\geq 90\%$ Store at 2 - 8°C</p>	<p>TC040-5G TC040-25G</p>	<p>5gm 25gm</p>
<p>Collagen Peptide Hydrolysed form of collagen type I Cell Culture Tested Assay : $\geq 90\%$ Store below 30°C</p>	<p>TC343-5G TC343-10G TC343-25G</p>	<p>5gm 10gm 25gm</p>
<p>Fetuin Cell Culture Tested CAS : 9014-81-7 Assay : $\geq 70\%$ Store at 2 - 8°C</p>	<p>TC278-100MG TC278-1G TC278-5G</p>	<p>100mg 1gm 5gm</p>
<p>Gelatin Bloom Strength : 120g Cell Culture Tested CAS : 9000-70-8 Store below 30°C</p>	<p>TC041-100G TC041-500G</p>	<p>100gm 500gm</p>

Product	Code	Packing
Biological Buffers		
di-Ammonium hydrogen phosphate Ammonium monohydrogen phosphate, Ammonium phosphate dibasic Cell Culture Tested (NH ₄) ₂ HPO ₄ MW : 132.06 CAS : 7783-28-0 Assay : ≥98% Store below 30°C	TC578-100G TC578-500G	100gm 500gm
BES buffer, Free acid (N,N-bis[2-Hydroxyethyl]-2-aminoethanesulphonic acid; 2-[bis(2-Hydroxyethyl)amino]-ethanesulfonic acid) Cell Culture Tested C ₈ H ₁₅ NO ₃ S MW : 213.25 CAS : 10191-18-1 Assay : ≥99% Store at 2 - 8°C	TC042-25G TC042-100G TC042-500G TC042-1KG	25gm 100gm 500gm 1kg
BIS-TRIS (bis[2-Hydroxyethyl]amino-tris(hydroxymethyl) methane; 2-bis[2-Hydroxyethyl]amino-2-[hydroxymethyl]-1,3-propanediol) Cell Culture Tested C ₈ H ₁₉ NO ₅ MW : 209.24 CAS : 6976-37-0 Assay : ≥99% Store below 30°C	TC043-25G TC043-100G TC043-500G TC043-1KG	25gm 100gm 500gm 1kg
BIS-TRIS propane 1,3-Bis[tris(hydroxy methyl) methylamino] propane Cell Culture Tested C ₁₁ H ₂₆ N ₆ O ₆ MW : 282.33 CAS : 64431-96-5 Assay : ≥99% Store below 30°C	TC267-25G TC267-100G TC267-500G	25gm 100gm 500gm
EPPS (see : HEPPS) [N-(2-Hydroxyethyl)piperazine-N'-3-propanesulfonic acid] Cell Culture Tested C ₈ H ₁₇ N ₃ O ₃ S MW : 252.33 CAS : 16052-06-5 Assay : ≥99% Store below 30°C	TC063-25G TC063-100G TC063-500G TC063-1KG	25gm 100gm 500gm 1kg
Ethanolamine hydrochloride (2-Aminoethanol; 2-Amino ethyl alcohol; Monoethanolamine) Cell Culture Tested C ₂ H ₇ NO.HCl MW : 97.54 CAS : 2002-24-6 Assay : ≥99% Store below 30°C	TC044-5G TC044-25G	5gm 25gm
Glycylglycine (Gly-Gly) Cell Culture Tested C ₄ H ₇ N ₂ O ₃ MW : 132.12 CAS : 556-50-3 Assay : ≥99% Store at 2 - 8°C	TC061-25G TC061-100G TC061-500G TC061-1KG	25gm 100gm 500gm 1kg

Product	Code	Packing
Glycyl-L-glutamine monohydrate Cell Culture Tested C ₇ H ₁₃ N ₃ O ₄ .H ₂ O MW : 221.21 CAS : 172669-64-6 Assay : ≥98% Store below 30°C	TC065-1G TC065-5G	1gm 5gm
HEPES free acid [N-(2-Hydroxyethyl)-piperazine-N'-(2-ethane sulphonic acid)] Cell Culture Tested C ₈ H ₁₈ N ₂ O ₃ S MW : 238.30 CAS : 7365-45-9 Assay : ≥99% Store below 30°C	TC050-25G TC050-100G TC050-500G TC050-1KG	25gm 100gm 500gm 1kg
HEPES sodium salt [N-(2-Hydroxyethyl)-piperazine-N'-(2-ethanesulfonic acid) sodium salt] Cell Culture Tested C ₈ H ₁₇ N ₂ NaO ₃ S MW : 260.29 CAS : 75277-39-3 Assay : ≥99% Store below 30°C	TC066-25G TC066-100G TC066-500G TC066-1KG	25gm 100gm 500gm 1kg
HEPPS (see : EPPS) [N-(2-Hydroxyethyl)piperazine-N-3-propanesulfonic acid] Cell Culture Tested C ₈ H ₁₇ N ₃ O ₃ S MW : 252.33 CAS : 16052-06-5 Assay : ≥99% Store below 30°C	TC063-25G TC063-100G TC063-500G TC063-1KG	25gm 100gm 500gm 1kg
MES sodium salt Cell Culture Tested C ₆ H ₁₂ NNaO ₃ S MW : 217.22 CAS : 71119-23-8 Assay : ≥99% Store below 30°C	TC268-25G TC268-100G TC268-500G TC268-1KG	25gm 100gm 500gm 1kg
MOPS Free acid (3-(N-Morpholino)propanesulphonic acid) Cell Culture Tested C ₇ H ₁₃ NO ₃ S MW : 209.26 CAS : 1132-61-2 Assay : ≥99% Store below 30°C	TC067-25G TC067-100G TC067-500G TC067-1KG	25gm 100gm 500gm 1kg
MOPS sodium salt (3-[N-Morpholino]-propanesulfonic acid) Cell Culture Tested C ₇ H ₁₂ NO ₃ Na MW : 231.25 CAS : 71119-22-7 Assay : ≥98% Store below 30°C	TC269-25G TC269-100G TC269-500G TC269-1KG	25gm 100gm 500gm 1kg
PIPES buffer Cell Culture Tested C ₈ H ₁₈ N ₂ O ₆ S ₂ MW : 302.37 CAS : 5625-37-6 Assay : ≥99% Store below 30°C	TC270-50G TC270-100G	50gm 100gm
PIPES buffer Na salt New Cell Culture Tested C ₈ H ₁₇ N ₂ NaO ₆ S ₂ MW : 324.35 CAS : 10010-67-0 Assay : ≥99% Store below 30°C	TC738-25G TC738-100G TC738-500G	25gm 100gm 500gm

Product	Code	Packing
Potassium dihydrogen phosphate anhydrous (Potassium phosphate monobasic; Monopotassium phosphate) Cell Culture Tested KH_2PO_4 MW : 136.09 CAS : 10010-67-0 Assay : $\geq 99\%$ Store below 30°C	TC011-100G	100gm
	TC011-500G	500gm
	TC011-1KG	1kg
	TC011-5KG	5kg
di-Potassium hydrogen phosphate anhydrous di-Potassium phosphate, Potassium Hydrogen Phosphate Cell Culture Tested K_2HPO_4 MW : 174.174 CAS : 7758-11-4 Assay : $\geq 97\%$ Store below 30°C	TC596-100G	100gm
	TC596-500G	500gm
Sodium acetate anhydrous (Acetic acid sodium salt) Cell Culture Tested $C_2H_3O_2Na$ MW : 82.03 CAS : 127-09-3 Assay : $\geq 99\%$ Store below 30°C	TC023-100G	100gm
	TC023-500G	500gm
Sodium bicarbonate (Sodium hydrogen carbonate) Cell culture tested $NaHCO_3$ MW : 84.01 CAS : 144-55-8 Assay : $\geq 99.5\%$ Store below 30°C	TC230-100G	100gm
	TC230-500G	500gm
	TC230-1KG	1kg
	TC230-5KG	5kg
Sodium dihydrogen phosphate monohydrate (Sodium phosphate monobasic; Monosodium phosphate) Cell Culture Tested $NaH_2PO_4 \cdot H_2O$ MW : 137.99 CAS : 10049-21-5 Assay : $\geq 98\%$ Store below 30°C	TC068-100G	100gm
	TC068-500G	500gm
	TC068-1KG	1kg
	TC068-5KG	5kg
di-Sodium hydrogen phosphate anhydrous (Sodium phosphate dibasic; Disodium phosphate) Cell Culture Tested Na_2HPO_4 MW : 141.96 CAS : 7558-79-4 Assay : $\geq 99\%$ Store below 30°C	TC051-100G	100gm
	TC051-500G	500gm
	TC051-1KG	1kg
	TC051-5KG	5kg
di-Sodium hydrogen phosphate dihydrate Sodium phosphate dibasic dihydrate Cell Culture Tested $Na_2HPO_4 \cdot 2H_2O$ MW : 177.99 CAS : 10028-24-7 Assay : $\geq 99\%$ Store below 30°C	TC507-500G	500gm
	TC507-1KG	1kg
	TC507-5KG	5kg
di-Sodium hydrogen phosphate dodecahydrate Sodium phosphate dibasic dodecahydrate Cell Culture Tested $Na_2HPO_4 \cdot 12H_2O$ MW : 358.14 CAS : 10039-32-4 Assay : $\geq 99\%$ Store below 30°C	TC508-500G	500gm
	TC508-5KG	5kg

Product	Code	Packing
Sodium phosphate monobasic anhydrous (Sodium phosphate monobasic) Cell Culture Tested NaH_2PO_4 MW : 119.98 CAS : 7558-80-7 Assay : $\geq 98\%$ Store below 30°C	TC459-100G	100gm
	TC459-500G	500gm
	TC459-1KG	1kg
	TC459-5KG	5kg
TAPS buffer Cell Culture Tested $C_6H_{17}NO_6S$ MW : 243.28 CAS : 29915-38-6 Assay : $\geq 99.5\%$ Store below 30°C	TC271-25G	25gm
	TC271-100G	100gm
	TC271-500G	500gm
	TC271-1KG	1kg
TAPSO buffer Cell Culture Tested $C_6H_{17}NO_6S$ MW : 259.28 CAS : 68399-81-5 Assay : $\geq 99\%$ Store below 30°C	TC272-25G	25gm
	TC272-100G	100gm
	TC272-500G	500gm
TES buffer Cell Culture Tested $C_6H_{15}NO_6S$ MW : 229.25 CAS : 7365-44-8 Assay : $\geq 99\%$ Store below 30°C	TC273-25G	25gm
	TC273-100G	100gm
Tricine (N-Tris[hydroxymethyl]-methyl-glycine); (N-[2-Hydroxy-1,1-bis-(hydroxymethyl)ethylglycine]) Cell Culture Tested $C_8H_{15}NO_5$ MW : 179.17 CAS : 5704-04-1 Assay : $\geq 99\%$ Store below 30°C	TC069-25G	25gm
	TC069-100G	100gm
	TC069-500G	500gm
	TC069-1KG	1kg
Tris base [Tris(hydroxymethyl) aminomethane] Cell Culture Tested $C_4H_{11}NO_3$ MW : 121.14 CAS : 77-86-1 Assay : $\geq 99\%$ Store below 30°C	TC072-100G	100gm
	TC072-500G	500gm
	TC072-1KG	1kg
Tris hydrochloride [Tris (hydroxymethyl) aminomethane hydrochloride] Cell Culture Tested $C_4H_{11}NO_3 \cdot HCl$ MW : 157.60 CAS : 1185-53-1 Assay : $\geq 98\%$ Store below 30°C	TC073-100G	100gm
	TC073-500G	500gm

Product	Code	Packing
Biochemicals and Components		
N-Acetyl-D-glucosamine Cell Culture Tested $C_8H_{15}NO_6$ MW : 221.21 CAS : 7512-17-6 Assay : $\geq 98.5\%$ Store at 2 - 8°C	TC081-10G TC081-25G TC081-100G	10gm 25gm 100gm
Adipic acid dihydrazide New Cell Culture Tested $C_8H_{14}N_2O_2$ MW : 174.20 CAS : 1071-93-8 Assay : $\geq 98.5\%$ Store at 2 - 8°C	TC751-25G TC751-100G	25gm 100gm
Adonitol (Adonite, Ribitol) Cell Culture Tested $C_5H_{12}O_5$ MW : 152.15 CAS : 488-81-3 Assay : $\geq 99\%$ Store below 30°C	TC086-10G TC086-25G TC086-100G	10gm 25gm 100gm
L-α-Amino-n-butyric acid (L-(+)-2-Aminobutyric acid) Cell Culture Tested $C_4H_9NO_2$ MW : 103.12 CAS : 1492-24-6 Assay : $\geq 98\%$ Store below 30°C	TC090-250MG TC090-1G TC090-5G	250mg 1gm 5gm
Aminopterin (4-Aminofolic acid) Cell Culture Tested $C_{10}H_{20}N_8O_5$ MW : 440.41 CAS : 54-62-6 Assay : $\geq 98\%$ Store at 2 - 8°C	TC091-10MG TC091-25MG TC091-100MG	10gm 25gm 100gm
Ammonium chloride Cell Culture Tested NH_4Cl MW : 53.49 CAS : 12125-02-9 Assay : $\geq 99.5\%$ Store below 30°C	TC092-100G TC092-500G	100gm 500gm
Aprotinin Source: Bovine lung Cell Culture Tested $C_{284}H_{432}N_{84}O_{73}S_7$ MW : 6511.44 CAS : 9087-70-1 Store at 2 - 8°C	TC717-25MG TC717-50MG	25mg 50mg
BAPTA AM 1,2-Bis(2-aminophenoxy)ethane- N,N,N',N'-tetraacetic acid tetrakis (acetoxymethyl ester) Cell Culture Tested $C_{34}H_{40}N_2O_{16}$ MW : 764.68 CAS : 126150-97-8 Store below -20°C	TC723-25MG	25mg

Product	Code	Packing
Calcium chloride anhydrous Cell Culture Tested $CaCl_2$ MW : 110.98 CAS : 10043-52-4 Assay : $\geq 93\%$ Store below 30°C	TC097-100G TC097-500G	100gm 500gm
Calcium chloride dihydrate Cell Culture Tested $CaCl_2 \cdot 2H_2O$ MW : 147.01 CAS : 10035-04-8 Assay : $\geq 98\%$ Store below 30°C	TC001-500G TC001-1KG	500gm 1kg
Calcium nitrate tetrahydrate Cell Culture Tested $Ca(NO_3)_2 \cdot 4H_2O$ MW : 236.15 CAS : 13477-34-4 Assay : $\geq 99\%$ Store below 30°C	TC099-500G TC099-1KG	500gm 1kg
Calcium sulfate, anhydrous Cell Culture Tested $CaSO_4$ MW : 136.14 CAS : 7778-18-9 Assay : $\geq 96\%$ Store below 30°C	TC502-500G	500gm
Charcoal, activated HCl-washed Cell Culture Tested C AW : 12.01 CAS : 7440-44-0 Store below 30°C	TC100-500G TC100-5KG	500gm 5kg
Citric acid anhydrous Cell Culture Tested $C_6H_8O_7$ MW : 192.12 CAS : 77-92-9 Assay : $\geq 99\%$ Store below 30°C	TC105-100G TC105-500G	100gm 500gm
Citric acid tripotassium salt (Tripotassium citrate monohydrate) Cell Culture Tested $C_6H_5K_3O_7 \cdot H_2O$ MW : 324.41 CAS : 6100-05-6 Assay : $\geq 99\%$ Store below 30°C	TC106-500G	500gm
Cobalt chloride hexahydrate Cell Culture Tested $CoCl_2 \cdot 6H_2O$ MW : 237.93 CAS : 7791-13-1 Assay : $\geq 98\%$ Store below 30°C	TC107-25G TC107-100G	25gm 100gm
Colcemid® Demecolcine Cell Culture Tested $C_{21}H_{25}NO_5$ MW : 371.43 CAS : 477-30-5 Assay : $\geq 95\%$ Store at 2 - 8°C	TC566-5MG TC566-10MG TC566-50MG	5mg 10mg 50mg
Colchicine Cell Culture Tested $C_{22}H_{25}NO_6$ MW : 399.44 CAS : 64-86-8 Assay : $\geq 95\%$ Store below 30°C	TC030-500MG TC030-1G TC030-10G	500mg 1gm 10gm

Product	Code	Packing
Concanavalin A Cell Culture Tested CAS : 11028-71-0 Assay : ≥90% Store at 2 - 8°C	TC220-25MG TC220-100MG	25mg 100mg
Cupric chloride dihydrate Cell Culture Tested CuCl ₂ ·2H ₂ O MW : 170.48 CAS : 10125-13-0 Assay : ≥99% Store below 30°C	TC108-100G TC108-500G	100gm 500gm
Cupric sulphate pentahydrate Cell Culture Tested CuSO ₄ ·5H ₂ O MW : 249.69 CAS : 7758-99-8 Assay : ≥98.5% Store below 30°C	TC003-500G TC003-1KG	500gm 1kg
1-Cyano-4-dimethylaminopyridinium tetrafluoroborate New CDAP Cell Culture Tested C ₈ H ₁₀ BF ₄ N ₃ MW : 234.99 CAS : 59016-56-7 Store below -20°C	TC749-100MG TC749-500MG	100mg 500mg
Cytochalasin B Cell Culture Tested C ₂₃ H ₃₇ NO ₅ MW : 479.61 CAS : 14930-96-2 Assay : ≥98% Store at -20 °C	TC224-5MG TC224-5X5MG	5mg 5X5mg
DL-Dithiothreitol Threo-1,4-Dimercapto-2,3-butenediol, Cleland's reagent, DTT Cell Culture Tested HSCH ₂ CH(OH)CH(OH)CH ₂ SH MW : 154.25 CAS : 3483-12-3 Assay : ≥99% Store at 2 - 8°C	TC540-1G TC540-5G TC540-25G	1gm 5gm 25gm
N,N-dimethylformamide DMF Cell Culture Tested C ₃ H ₇ NO MW : 73.09 CAS : 68-12-2 Assay : ≥99% Store below 30°C	TC736-500ML	500ml
N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride New EDAC Cell Culture Tested C ₈ H ₁₇ N ₃ ·HCl MW : 191.70 CAS : 25952-53-8 Assay : ≥99% Store below 30°C	TC750-1G TC750-5G TC750-10G TC750-25G	1gm 5gm 10gm 25gm
EDTA free acid anhydrous Cell Culture Tested C ₁₀ H ₁₆ N ₂ O ₈ MW : 292.24 CAS : 60-00-4 Assay : ≥99% Store below 30°C	TC115-100G TC115-500G	100gm 500gm

Product	Code	Packing
EDTA disodium salt dihydrate Cell Culture Tested C ₁₀ H ₁₄ N ₂ O ₈ Na ₂ ·2H ₂ O MW : 372.24 CAS : 6381-92-6 Assay : ≥99% Store below 30°C	TC038-500G TC038-1KG TC038-5KG	500gm 1kg 5kg
EDTA tetrasodium salt dihydrate Cell Culture Tested C ₁₀ H ₁₂ N ₂ Na ₄ O ₈ ·2H ₂ O MW : 416.2 CAS : 10378-23-1 Assay : ≥99% Store below 30°C	TC116-100G TC116-500G	100gm 500gm
EGTA Ethylene glycol-bis(2-aminoethyl ether)-N,N,N',N'-tetraaceticacid Cell Culture Tested C ₁₄ H ₂₄ O ₁₀ N ₂ MW : 380.35 CAS : 67-42-5 Assay : ≥97% Store below 30°C	TC721-10G TC721-25G TC721-100G	10gm 25gm 100gm
EGTA AM Ethylene glycol-bis(β-aminoethyl ether)-N,N,N',N'-tetraacetoxy methyl ester Cell Culture Tested MW : C ₂₈ H ₄₀ N ₂ O ₈ CAS : 99590-86-0 Assay : ≥95% Store at -20°C	TC722-10MG	10mg
Ferric ammonium citrate, Brown Ammonium iron(III) citrate Cell Culture Tested CAS : 1185-57-5 Assay : 16.5-22.5% Fe Store below 30°C	TC453-100G TC453-500G	100gm 500gm
Ferric chloride anhydrous Ferric chloride Cell Culture Tested FeCl ₃ MW : 162.2 CAS : 7705-08-0 Assay : ≥98% Store below 30°C	TC583-5G TC583-25G TC583-100G	5gm 25gm 100gm
Ferric citrate monohydrate Cell Culture Tested C ₇ H ₅ FeO ₇ ·H ₂ O MW : 262.96 CAS : 2338-05-8 Assay : 18-22% Fe Store below 30°C	TC117-250G TC117-500G TC117-1KG	250gm 500gm 1kg
Ferric nitrate nonahydrate Cell Culture Tested Fe(NO ₃) ₃ ·9H ₂ O MW : 404 CAS : 7782-61-8 Assay : ≥98% Store below 30°C	TC118-100G TC118-500G	100gm 500gm
Ferrous sulphate heptahydrate Cell Culture Tested FeSO ₄ ·7H ₂ O MW : 278.01 CAS : 7782-63-0 Assay : ≥99.5% Store below 30°C	TC119-500G TC119-1KG	500gm 1kg

Product	Code	Packing
Fumaric acid Cell Culture Tested $C_4H_4O_4$ MW : 116.07 CAS : 110-17-8 Assay : $\geq 99\%$ Store below 30°C	TC125-100G TC125-500G	100gm 500gm
Glutathione oxidized Aminomethanamide hydrochloride, Guanidinium chloride Cell Culture Tested $C_{20}H_{32}N_6O_3S_2$ MW : 612.63 CAS : 27025-41-8 Assay : $\geq 98\%$ Store at 2 - 8°C	TC282-100MG TC282-250MG TC282-1G TC282-5G	100mg 250mg 1gm 5gm
Glutathione reduced (GSH) Cell Culture Tested $C_{10}H_{17}N_3O_6S$ MW : 307.32 CAS : 70-18-8 Assay : $\geq 98\%$ Store at 2 - 8°C	TC134-5G TC134-10G TC134-25G TC134-100G	5gm 10gm 25gm 100gm
Heparin sodium salt Cell Culture Tested CAS : 9041-08-1 Potency : ≥ 140 USP U/mg Store at 2 - 8°C	TC138-1X100000IU TC138-10X100000IU	1x 100000iu 10X 100000iu
Hypoxanthine (6-Hydroxypurine) Cell Culture Tested $C_9H_7N_5O$ MW : 136.11 CAS : 68-94-0 Assay : $\geq 99\%$ Store below 30°C	TC139-5G TC139-25G	5gm 25gm
Inomycin Calcium salt Cell Culture Tested MW : 747.07 CAS : 56092-82-1 Assay : $\geq 98\%$ Store at 2 - 8°C	TC711-10MG	10mg
4-Isopropylbenzoic acid Cumic acid, Cuminic acid Cell Culture Tested $(CH_3)_2CHC_6H_4CO_2H$ MW : 164.2 CAS : 536-66-3 Assay : $\geq 98\%$ Store below 30°C	TC539-5G TC539-25G	5gm 25gm
myo-Inositol (meso-Inositol; I-Inositol) Cell Culture Tested $C_6H_{12}O_6$ MW : 180.16 CAS : 87-89-8 Assay : $\geq 97\%$ Store below 30°C	TC140-25G TC140-100G TC140-500G TC140-1KG	25gm 100gm 500gm 1kg
α-Ketoglutaric acid Cell Culture Tested $C_5H_8O_5$ MW : 146.1 CAS : 328-50-7 Assay : $\geq 99\%$ Store at 2 - 8°C	TC141-25G TC141-100G TC141-500G	25gm 100gm 500gm

Product	Code	Packing
L-Lactic acid sodium salt (Sodium-L-lactate) Cell Culture Tested $C_3H_5NaO_3$ MW : 112.06 CAS : 867-56-1 Assay : $\geq 99\%$ Store at 2 - 8°C	TC142-5G TC142-25G	5gm 25gm
N-Lauroylsarcosine Sodium Salt N-Dodecanoyl-N-methylglycine sodium salt Cell Culture Tested $CH_3(CH_2)_{10}CON(CH_3)CH_2COONa$ MW : 293.38 CAS : 137-16-6 Assay : $\geq 99\%$ Store below 30°C	TC541-5G TC541-25G	5gm 25gm
Lithium lactate Cell Culture Tested $C_3H_5LiO_3$ MW : 96.01 CAS : 867-55-0 Assay : $\geq 95\%$ Store below 30°C	TC713-100G	100gm
D-Luciferin, free acid Cell Culture Tested $C_{11}H_8N_2O_3S_2$ MW : 280.32 CAS : 2591-17-5 Store at -20°C	TC728-1MG TC728-10MG	1mg 10mg
Magnesium chloride anhydrous Cell Culture Tested $MgCl_2$ MW : 95.21 CAS : 7786-30-3 Assay : $\geq 97\%$ Store below 30°C	TC186-100G TC186-1KG	100gm 1kg
Magnesium chloride hexahydrate Cell Culture Tested $MgCl_2 \cdot 6H_2O$ MW : 203.30 CAS : 7791-18-6 Assay : $\geq 99\%$ Store below 30°C	TC006-100G TC006-500G	100gm 500gm
Magnesium sulfate anhydrous Cell Culture Tested $MgSO_4$ MW : 120.37 CAS : 7487-88-9 Assay : $\geq 99\%$ Store below 30°C	TC146-500G TC146-1KG	500gm 1kg
Manganese (II) sulphate monohydrate Cell Culture Tested $MnSO_4 \cdot H_2O$ MW : 169.02 CAS : 10034-96-5 Assay : $\geq 99\%$ Store below 30°C	TC149-100G TC149-500G	100gm 500gm
2-Mercaptoethanol Cell Culture Tested C_2H_6OS MW : 78.13 CAS : 60-24-2 Assay : $\geq 99\%$ Store below 30°C	TC152-100ML TC152-250ML TC152-500ML	100ml 250ml 500ml
Nickel (II) chloride hexahydrate Cell Culture Tested $NiCl_2 \cdot 6H_2O$ MW : 237.69 CAS : 7791-20-0 Assay : $\geq 98\%$ Store below 30°C	TC155-100G TC155-500G	100gm 500gm

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Cell Culture Tested Chemicals

Product	Code	Packing
β-Nicotinamide adenine dinucleotide, reduced disodium salt hydrate (NADH) Cell Culture Tested $C_{21}H_{27}N_7Na_2O_{14}P_2 \cdot xH_2O$ MW : 709.40 CAS : 606-68-8 (anhydrous basis) Assay : ≥97% Store at -20°C	TC699-100MG	100mg
	TC699-500MG	500mg
	TC699-1G	1gm
	TC699-5G	5gm
Nicotinamide adenine dinucleotide phosphate disodium salt (NADP) Cell Culture Tested $C_{21}H_{26}N_7Na_2O_{17}P_3$ MW : 787.37 CAS : 24292-60-2 Assay : ≥90% Store at 2 - 8°C	TC700-50MG	50mg
	TC700-250MG	250mg
	TC700-1G	1gm
Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt hydrate (NADPH) Cell Culture Tested $C_{21}H_{26}N_7Na_4O_{17}P_3 \cdot xH_2O$ MW : 833.35 CAS : 2646-71-1 Store at 2 - 8°C	TC701-100MG	100mg
	TC701-500MG	500mg
	TC701-1G	1gm
p-Nitrophenol New Cell Culture Tested $C_6H_5NO_3$ MW : 139.11 CAS : 100-02-7 Assay : ≥98% Store below 30°C	TC702-5G	5gm
	TC702-25G	25gm
Orthophosphoric acid Phosphoric acid Cell Culture Tested H_3PO_4 MW : 98 CAS : 7664-38-2 Assay : ≥85% Store below 30°C	TC533-100G	100gm
	TC533-500G	500gm
Oxalacetic acid Cell Culture Tested $C_4O_4H_4$ MW : 132.07 CAS : 328-42-7 Assay : ≥95% Store at 2 - 8°C	TC158-1G	1gm
	TC158-5G	5gm
	TC158-25G	25gm
	TC158-100G	100gm
Paraformaldehyde Cell Culture Tested $HO(CH_2O)_nH$ MW : 30.03 CAS : 30525-89-4 (as monomer) Assay : ≥95% Store below 30°C	TC703-500G	500gm
	TC703-1KG	1kg
PHA-M (Phytohemagglutinin-M) Cell Culture Tested CAS : 9008-97-3 Store at -20°C	TC209-10MG	10mg
	TC209-25MG	25mg
	TC209-4X25MG	4x25mg
PHA-P (Phytohemagglutinin-P) Cell Culture Tested CAS : 9008-97-3 Activity : ≤62.5 mcg/ml Store at -20°C	TC226-5MG	5mg
	TC226-5X5MG	5x5mg

Product	Code	Packing
Phenylmethanesulfonyl fluoride (PMSF) Cell Culture Tested $C_7H_7FO_2S$ CAS : 329-98-6 Assay : ≥99% Store below 30°C	TC706-1G	1gm
	TC706-5G	5gm
	TC706-25G	25gm
Polyethylene glycol (PEG) 6000 New PEG 6000 Cell Culture Tested $(OCH_2CH_2)_nOH$ CAS : 25322-68-3 Assay : ≥99% Store below 30°C	TC740-1KG	1kg
	TC740-5KG	5kg
Potassium chloride Cell Culture Tested KCl MW : 74.55 CAS : 7447-40-7 Assay : ≥98.5% Store below 30°C	TC010-250G	250gm
	TC010-500G	500gm
	TC010-1KG	1kg
Potassium hydroxide pellets Potash caustic Cell Culture Tested KOH MW : 56.11 CAS : 1310-58-3 Assay : ≥85% Store below 30°C	TC505-500G	500gm
	TC505-5KG	5kg
Potassium nitrate Cell Culture Tested KNO ₃ MW : 101.10 CAS : 7757-79-1 Assay : ≥99% Store below 30°C	TC161-500G	500gm
	TC161-1KG	1kg
Putrescine dihydrochloride Cell Culture Tested $C_4H_{12}N_2 \cdot 2HCl$ MW : 161.07 CAS : 333-93-7 Assay : ≥98% Store below 30°C	TC163-5G	5gm
	TC163-25G	25gm
Pyruvic acid sodium salt (See: Sodium pyruvate) Cell Culture Tested $C_3H_3O_3Na$ MW : 110.04 CAS : 113-24-6 Assay : ≥99% Store below 30°C	TC166-25G	25gm
	TC166-100G	100gm
	TC166-250G	250gm
	TC166-1KG	1kg
Sodium acetate trihydrate Acetic acid sodium salt trihydrate Cell Culture Tested $CH_3COONa \cdot 3H_2O$ MW : 136.08 CAS : 6131-90-4 Assay : ≥98% Store below 30°C	TC456-250G	250gm
	TC456-500G	500gm
	TC456-1KG	1kg
	TC456-5KG	5kg
Sodium azide Cell Culture Tested NaN ₃ MW : 65.01 CAS : 26628-22-8 Assay : ≥99% Store below 30°C	TC704-25G	25gm
	TC704-100G	100gm
	TC704-500G	500gm

Product	Code	Packing
Sodium butyrate Butyric acid sodium salt Cell Culture Tested $\text{CH}_3\text{CH}_2\text{CH}_2\text{COONa}$ MW : 110.09 CAS : 156-54-7 Assay : $\geq 99\%$ Store below 30°C	TC471-5G	5gm
	TC471-100G	100gm
	TC471-500G	500gm
Sodium chloride Cell Culture Tested NaCl MW : 58.44 CAS : 7647-14-5 Assay : $\geq 99\%$ Store below 30°C	TC046-500G	500gm
	TC046-1KG	1kg
	TC046-5KG	5kg
	TC046-10KG	10kg
tri-Sodium citrate dihydrate Cell Culture Tested $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$ MW : 294.10 CAS : 6132-04-3 Assay : $\geq 99\%$ Store below 30°C	TC249-500G	500gm
	TC249-1KG	1kg
	TC249-5KG	5kg
Sodium hydroxide pellets Caustic Soda Cell Culture Tested NaOH MW : 40 CAS : 1310-73-2 Assay : $\geq 97\%$ Store below 30°C	TC460-500G	500gm
	TC460-1KG	1kg
	TC460-5KG	5kg
Sodium pyruvate (See: Pyruvic acid sodium salt) Cell Culture Tested $\text{C}_3\text{H}_3\text{O}_2\text{Na}$ MW : 110.04 CAS : 113-24-6 Assay : $\geq 99\%$ Store below 30°C	TC166-25G	25gm
	TC166-100G	100gm
	TC166-250G	250gm
	TC166-1KG	1kg
Sodium selenite Cell Culture Tested Na_2SeO_3 MW : 172.94 CAS : 10102-18-8 Assay : $\geq 99\%$ Store below 30°C	TC169-10G	10gm
	TC169-25G	25gm
	TC169-100G	100gm
Sodium succinate hexahydrate Cell Culture Tested $\text{C}_4\text{H}_4\text{O}_6 \cdot \text{Na}_2 \cdot 6\text{H}_2\text{O}$ MW : 270.14 CAS : 6106-21-4 Assay : $\geq 99\%$ Store below 30°C	TC219-25G	25gm
	TC219-100G	100gm
	TC219-500G	500gm
Sodium taurodeoxycholate hydrate Cell Culture Tested $\text{C}_{26}\text{H}_{44}\text{NO}_6\text{SNa} \cdot \text{XH}_2\text{O}$ MW : 521.69 CAS : 207737-97-1 (anhydrous basis) Assay : $\geq 99\%$ Store below 30°C	TC347-500MG	500mg
	TC347-1G	1gm
	TC347-5G	5gm
Spermine (Free base) Cell Culture Tested $\text{C}_9\text{H}_{26}\text{N}_4$ MW : 202.34 CAS : 71-44-3 Assay : $\geq 96\%$ Store at 2 - 8°C	TC275-1G	1gm
	TC275-5G	5gm

Product	Code	Packing
Spermidine Cell Culture Tested $\text{C}_7\text{H}_{19}\text{N}_3$ MW : 145.25 CAS : 124-20-9 Assay : $\geq 98\%$ Store at 2 - 8°C	TC276-1G	1gm
	TC276-5G	5gm
Succinic acid, Free acid Cell Culture Tested $\text{C}_4\text{H}_6\text{O}_4$ MW : 118.09 CAS : 110-15-6 Assay : $\geq 99\%$ Store below 30°C	TC047-100G	100gm
	TC047-500G	500gm
TMB 3,3',5,5' Tetramethyl benzidine Cell Culture Tested $\text{C}_{16}\text{H}_{20}\text{N}_2$ MW : 240.34 CAS : 54827-17-7 Assay : $\geq 99\%$ Store below 30°C	TC705-100MG	100mg
	TC705-1G	1gm
	TC705-5G	5gm
Trimethyloxonium tetrafluoroborate New Cell Culture Tested $(\text{CH}_3)_3\text{O}(\text{BF}_4)$ MW : 147.91 CAS : 420-37-1 Assay : $\geq 99\%$ Store below 30°C	TC753-1G	1gm
	TC753-10G	10gm
Urea (Carbamide) Cell Culture Tested $\text{CH}_4\text{N}_2\text{O}$ MW : 60.06 CAS : 57-13-6 Assay : $\geq 99.5\%$ Store below 30°C	TC180-500G	500gm
	TC180-1KG	1kg
	TC180-5KG	5kg
Zinc chloride anhydrous Cell Culture Tested ZnCl_2 MW : 136.3 CAS : 7646-85-7 Assay : $\geq 97\%$ Store below 30°C	TC184-100G	100gm
	TC184-500G	500gm
	TC184-1KG	1kg
Zinc sulfate heptahydrate Cell Culture Tested $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ MW : 287.56 CAS : 7446-20-0 Assay : $\geq 99.5\%$ Store below 30°C	TC131-100G	100gm
	TC131-500G	500gm

Carbohydrates

D-(-)-Fructose (Fruit sugar) Cell Culture Tested $\text{C}_6\text{H}_{12}\text{O}_6$ MW : 180.16 CAS : 57-48-7 Assay : $\geq 99.5\%$ Store below 30°C	TC124-100G	100gm
	TC124-500G	500gm
	TC124-5KG	5kg
L-(-)-Fucose Fucose Cell Culture Tested $\text{C}_6\text{H}_{12}\text{O}_6$ MW : 164.16 CAS : 2438-80-4 Assay : $\geq 95\%$ Store below 30°C	TC611-25G	25gm
	TC611-100G	100gm

Product	Code	Packing
D-(+)-Galactosamine hydrochloride Cell Culture Tested $C_6H_{13}NO_5 \cdot HCl$ MW : 215.63 CAS : 1772-03-8 Assay : $\geq 99\%$ Store below 30°C	TC126-500MG TC126-1G TC126-5G	500gm 1gm 5gm
D-(+)-Galactose anhydrous Cell Culture Tested $C_6H_{12}O_6$ MW : 180.16 CAS : 59-23-4 Assay : $\geq 98\%$ Store below 30°C	TC127-100G TC127-500G TC127-1KG	100gm 500gm 1kg
D-(+)-Glucosamine hydrochloride Cell Culture Tested $C_6H_{13}NO_5 \cdot HCl$ MW : 215.63 CAS : 66-84-2 Assay : $\geq 98\%$ Store below 30°C	TC129-100G TC129-500G	100gm 500gm
D-(+)-Glucose anhydrous (Dextrose anhydrous) Cell Culture Tested $C_6H_{12}O_6$ MW : 180.16 CAS : 50-99-7 Assay : $\geq 99\%$ Store below 30°C	TC130-100G TC130-1KG TC130-5KG TC130-10KG	100gm 1kg 5kg 10kg
D-(+)-Glucose monohydrate (Dextrose monohydrate) Cell Culture Tested $C_6H_{12}O_6 \cdot H_2O$ MW : 198.17 CAS : 14431-43-7 Assay : $\geq 99\%$ Store below 30°C	TC208-500G TC208-1KG TC208-5KG TC208-10KG	500gm 1kg 5kg 10kg
D-Glucuronic acid sodium salt monohydrate (Sodium glucuronate) Cell Culture Tested $C_6H_9NaO_7 \cdot H_2O$ MW : 234.14 CAS : 207300-70-7 Assay : $\geq 98\%$ Store below 30°C	TC128-5G TC128-25G	5gm 25gm
Lactose monohydrate (Milk Sugar) Cell Culture Tested $C_{12}H_{22}O_{11} \cdot H_2O$ MW : 360.31 CAS : 64044-51-5 Assay : $\geq 99\%$ Store below 30°C	TC144-500G TC144-5KG	500gm 5kg
Maltose monohydrate Cell Culture Tested $C_{12}H_{22}O_{11} \cdot H_2O$ MW : 360.31 CAS : 6363-53-7 Assay : $\geq 95\%$ Store below 30°C	TC148-100G TC148-500G TC148-1KG	100gm 500gm 1kg
D-Mannitol Mannite Cell Culture Tested $C_6H_{14}O_6$ MW : 182.17 CAS : 69-65-8 Assay : $\geq 99.50\%$ Store below 30°C	TC513-25G TC513-100G	25gm 100gm

Product	Code	Packing
D-(+)-Mannose Cell Culture Tested $C_6H_{12}O_6$ MW : 180.16 CAS : 3458-28-4 Assay : $\geq 99\%$ Store below 30°C	TC150-25G TC150-100G TC150-500G	25gm 100gm 500gm
D-(+)-Raffinose pentahydrate (Melitose; Melitriose) Cell Culture Tested $C_{18}H_{32}O_{16} \cdot 5H_2O$ MW : 594.51 CAS : 17629-30-0 Assay : $\geq 98\%$ Store below 30°C	TC162-25G TC162-100G TC162-500G	25gm 100gm 500gm
D-(-)-Ribose Cell Culture Tested $C_5H_{10}O_5$ MW : 150.13 CAS : 50-69-1 Assay : $\geq 99\%$ Store at 2 - 8°C	TC168-25G TC168-100G	25gm 100gm
D-(-)-Sorbitol Cell Culture Tested $C_6H_{14}O_6$ MW : 182.17 CAS : 50-70-4 Assay : $\geq 98\%$ Store below 30°C	TC170-500G TC170-1KG TC170-5KG	500gm 1kg 5kg
Sucrose Source : Sugarcane Cell Culture Tested $C_{12}H_{22}O_{11}$ MW : 342.30 CAS : 57-50-1 Assay : $\geq 99\%$ Store below 30°C	TC048-500G TC048-1KG TC048-5KG	500gm 1kg 5kg
Sucrose Source : Beet root Cell Culture Tested $C_{12}H_{22}O_{11}$ MW : 342.30 CAS : 57-50-1 Assay : $\geq 99.8\%$ Store below 30°C	TC648-500G TC648-1KG TC648-5KG	500gm 1kg 5kg
D-(+)-Trehalose dihydrate Cell Culture Tested $C_{12}H_{22}O_{11} \cdot 2H_2O$ MW : 378.33 CAS : 6138-23-4 Assay : $\geq 98\%$ Store below 30°C	TC177-10G TC177-25G TC177-100G	10gm 25gm 100gm

Carrier Proteins

AlbuXL™ Cell Culture Tested Assay : $\geq 98\%$ Store at 2 - 8°C	TC265-25G TC265-100G	25gm 100gm
Bovine serum Albumin Cell Culture Tested Ultra-low IgG Assay : $\geq 96\%$ Store at 2 - 8°C	TC545-5G TC545-25G TC545-100G TC545-500G	5gm 25gm 100gm 500gm

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	TC265	TC194	TC348	TC545	TC546	TC548
	AlbuXL	BSA Fraction V	Low fatty acid	Ultra low IgG	Diagnostic grade	Manufacturing grade, AUS/NZ origin
Purity	>=98%	>=98%	>=95%	>=96%	>=98%	>=96%
Protease	NA	NA	NA	NA	Not detected	Not detected
Endotoxin	NA	NA	NA	NA	NA	<=2.0EU/mg
IgG	NA	NA	NA	<=10ug/g	NA	<=50ug/g
Microbial count	<=100CFU/g	NA	<=100CFU/g	<=100CFU/g	<=100CFU/g	<=100CFU/g
Total lipids	NA	NA	<=2.0mg/g	<=2.0mg/g	<=3.5mg/g	<=2.0mg/g
Viruses (BRSV, BVD, IBR, PIV-3)	NA	NA	Negative	Negative	NA	Negative
Mycoplasma	NA	NA	Negative	Negative	Negative	Negative
	TC265	TC194	TC348	TC545	TC546	TC548
Culture media supplement (Animal and insect)	•		•			•
Plasmodium parasite culture	•					
Blocking agent in ELISA		•	•	•	•	•
Binding and transport studies			•		•	•
Protein standard	•				•	•
Stabilizer/ diluent in enzyme systems			•		•	•
Immunocytochemistry						
RIA systems				•	•	•
Serology	•		•			•
Immunohematology			•		•	•
Blood banking reagents			•		•	•
Antibody purification			•	•		•
Carrier for hapten			•		•	•
Protein base / filler		•				•
Vaccine manufacturing						•

Product	Code	Packing
Bovine serum Albumin	TC546-5G	5gm
Cell Culture Tested	TC546-25G	25gm
Protease free, Diagnostic grade	TC546-100G	100gm
Assay : ≥98%	TC546-500G	500gm
Store at 2 - 8° C		
Bovine serum Albumin	TC548-5G	5gm
Cell Culture Tested	TC548-25G	25gm
Manufacturing grade	TC548-100G	100gm
New Zealand/ Australia origin		
Assay : ≥96%		
Store at 2 - 8° C		
Bovine serum Albumin Fraction-V	TC194-5G	5gm
Cell Culture Tested	TC194-25G	25gm
Assay : ≥98%	TC194-100G	100gm
Store at 2 - 8° C	TC194-500G	500gm
Bovine Serum Albumin, pH 7.0	TC348-10G	10gm
Low Fatty acid	TC348-25G	25gm
Cell Culture Tested	TC348-50G	50gm
Assay : ≥95%		
Store at 2 - 8° C		
Human serum albumin	TC613-1G	1gm
Low Fatty acid	TC613-5G	5gm
Cell Culture Tested	TC613-25G	25gm
MW : 66.4 kDa CAS : 70024-90-7		
Assay : ≥96%		
Store at 2 - 8° C		

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Cell Dissociation Products

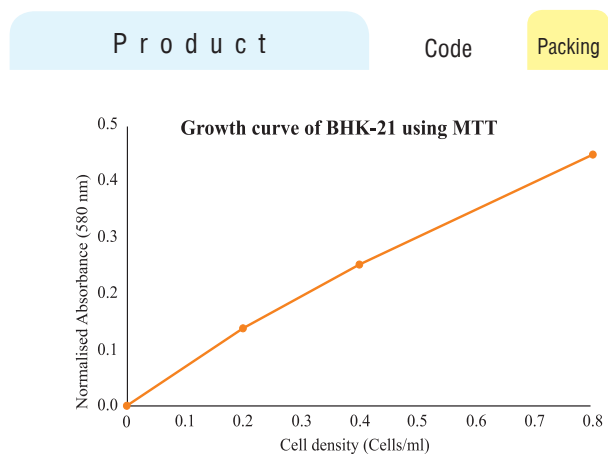
Catalase	TC037-1G	1gm
Source : Bovine Liver	TC037-5G	5gm
Cell Culture Tested	TC037-10G	10gm
CAS : 9001-05-2		
Activity : 2000-5000 U/mg protein		
Store at 2 - 8° C		
Collagenase Type I	TC211-100MG	100mg
Source : <i>Clostridium histolyticum</i>	TC211-500MG	500mg
Suggested for epithelial, liver, lung and adrenal primary cell isolations	TC211-1G	1gm
Cell Culture Tested	TC211-5G	5gm
Activity : ≥ 125 units per mg of dry weight		
MW : 68 - 130 kDa CAS : 9001-12-1		
Store at 2 - 8° C		
Collagenase Type II (Clostridiopeptidase A)	TC212-100MG	100mg
Source : <i>Clostridium histolyticum</i>	TC212-500MG	500mg
Suggested for bone, heart, liver, thyroid and salivary primary cell isolation	TC212-1G	1gm
Cell Culture Tested	TC212-5G	5gm
Activity : ≥ 125 units per mg of dry weight		
CAS : 9001-12-1		
Store at 2 - 8° C		

Product	Code	Packing
Collagenase Type IV	TC214-100MG	100mg
Source : <i>Clostridium histolyticum</i>	TC214-500MG	500mg
Prepared to contain lower tryptic activity levels to limit damage to membrane proteins and receptors but with normal to above normal collagenase activity. Suggested for pancreatic islet primary isolation	TC214-1G	1gm
Cell Culture Tested	TC214-5G	5gm
Activity : ≥ 160 units/mg (dry weight basis)		
CAS : 9001-12-1		
Store at 2 - 8° C		
Collagenase Animal origin free	TC280-100MG	100mg
Cell Culture Tested	TC280-500MG	500mg
CAS : 9001-12-1	TC280-1G	1gm
Activity : ≥ 150 U/mg dry weight		
Store at 2 - 8° C		
Collagenase Purified	TC253-10KU	10000 Units
50 Caseinase units/mg Chromatographically purified collagenase which is specially purified to reduce caseinase activity and provide high specific activity. It is typically used for pancreatic and parotid acini isolations and collagen structural analysis		
Cell Culture Tested		
CAS : 9001-12-1		
Activity : ≥ 500 U/mg dry basis		
Store at 2 - 8° C		
Dispase®	TC303-100MG	100mg
Cell Culture Tested		
Activity : ≥ 0.5 Units/mg dry weight		
CAS : 42613-33-2		
Store at 2 - 8° C		
Elastase	TC311-10MG	10mg
Suitable for the isolation of Type II lung cells	TC311-25MG	25mg
Cell Culture Tested	TC311-100MG	100mg
Activity : ≥ 3 Units/mg Protein		
MW : 282.46 CAS : 39445-21-1		
Store at 2 - 8° C		
Hyaluronidase	TC331-25MG	25mg
Cell Culture Tested		
Activity : 400 - 1000 units/mg solid		
CAS : 37326-33-3		
Store below -20° C		
Protease	TC401-100MG	100mg
Source : <i>Streptomyces griseus</i>	TC401-1G	1gm
Cell Culture Tested		
CAS : 9036-06-0		
Activity : ≥ 3.5 Units/mg		
Store at 2 - 8° C		
Trypsin	TC598-25G	25gm
Source : Bovine Pancreas	TC598-250G	250gm
Cell Culture Tested	TC598-500G	500gm
CAS : 9002-07-7		
Activity : ≥ 2000 units/g		
Store at 2 - 8° C		

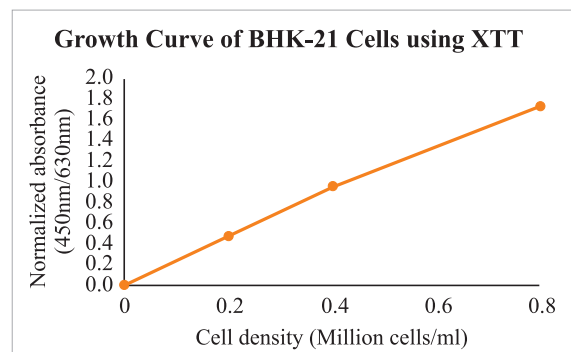
Product	Code	Packing
Trypsin 1:250 powder porcine Source : Porcine Pancreas Cell Culture Tested CAS : 9002-07-7 Activity : 1000-1500 BAEE units/mg Store at 2 - 8°C	TC245-25G	25gm
	TC245-250G	250gm
	TC245-500G	500gm
Trypsin 1:250 powder porcine, Gamma irradiated Source : Porcine Pancreas Cell Culture Tested CAS : 9002-07-7 Activity : 1000-1500 BAEE units/mg Store at 2 - 8°C	TC245G-100G	100gm
Trypsin Recombinant, Porcine Source : <i>E.coli</i> Cell Culture Tested CAS : 9002-07-7 Store at 2 - 8°C	TC485-25MG	25mg
	TC485-100MG	100mg
	TC485-1G	1gm
Trypsin inhibitor, powder Source : Soyabean Cell Culture Tested Activity : ≥7000 BAEE units of inhibition/mg CAS : 9035-81-8 Store at 2 - 8°C	TC251-25MG	25mg
	TC251-100MG	100mg
	TC251-500MG	500mg
	TC251-1G	1gm
Trypsin inhibitor from Lima bean Cell Culture Tested Source : Lima bean CAS : 9035-81-8 Store at 2 - 8°C	TC318-50MG	50mg
	TC318-100MG	100mg

Cell Proliferation and Cytotoxicity Indicators

Alamar Blue® Resazurin Sodium salt Cell Culture Tested $C_{12}H_6NNaO_4$ MW : 251.17 CAS : 62758-13-8 Store at 2 - 8°C	TC235-1G	1gm
	TC235-5G	5gm
5-Bromo-4-chloro 3-indolyl phosphate, disodium salt BCIP®, X-phosphate disodium salt Cell Culture Tested $C_8H_7BrClNO_4P \cdot 2Na$ MW : 370.43 CAS : 102185-33-1 Assay : ≥98% Store at -20°C	TC476-25MG	25mg
	TC476-100MG	100mg
	TC476-1G	1gm
MTT (Thiazolyl blue tetrazolium bromide) Cell Culture Tested $C_8H_{16}BrN_5S$ MW : 414.32 CAS : 298-93-1 Assay : ≥98% Store at 2 - 8°C	TC191-500MG	500mg
	TC191-1G	1gm



Nitroblue tetrazolium chloride Cell Culture Tested $C_{40}H_{30}N_{10}O_6 \cdot 2Cl$ MW : 817.64 CAS : 298-83-9 Assay : ≥98% Store at 2 - 8°C	TC475-100MG	100mg
	TC475-250MG	250mg
	TC475-1G	1gm
	TC475-5G	5gm
Phenazine methosulfate Cell Culture Tested $C_{13}H_{11}N_2 \cdot CH_3SO_4$ MW : 306.34 CAS : 299-11-6 Assay : ≥90% Store at -20°C	TC484-500MG	500mg
	TC484-1G	1gm
	TC484-5G	5gm
	TC484-10G	10gm
	TC484-25G	25gm
XTT sodium salt Cell Culture Tested $C_{22}H_{16}N_4NaO_{13}S_2$ MW : 673.52 CAS : 111072-31-2 Store at -20°C	TC239-100MG	100mg
	TC239-500MG	500mg



Product	Code	Packing
Cryoprotectants		
CryoXL™ DMSO Sterile Filtered Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications C ₂ H ₆ OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC450M-100ML	100ml
Dimethyl sulphoxide (DMSO), Sterile Sterile filtered Cell Culture Tested C ₂ H ₆ OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC349-100ML	100ml
Dimethyl sulphoxide (DMSO) Cell Culture Tested C ₂ H ₆ OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC185-100ML TC185-250ML	100ml 250ml
HybridoXL™ DMSO Cell Culture Tested Hybridoma Tested C ₂ H ₆ OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC429-100ML	100ml
HybridoXL™ DMSO, Sterile Sterile Filtered Cell Culture Tested Hybridoma Tested C ₂ H ₆ OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC433-100ML	100ml
Glycerol 1,2,3-Propanetriol Cell Culture Tested C ₃ H ₈ O ₃ MW : 92.09 CAS : 56-81-5 Assay : ≥98% Store below 30°C	TC503-500ML TC503-1L	500ml 1lt

Product	Code	Packing
Cyclodextrins		
α - Cyclodextrin Cell Culture Tested C ₃₆ H ₆₀ O ₃₀ MW : 972.84 CAS : 10016-20-3 Assay : ≥98% Store below 30°C	TC103-1G TC103-5G	1gm 5gm
β - Cyclodextrin Cell Culture Tested C ₄₂ H ₇₀ O ₃₅ MW : 1134.98 CAS : 7585-39-9 Assay : ≥95% Store below 30°C	TC104-5G TC104-25G TC104-100G	5gm 25gm 100gm
Hydroxypropyl-β-cyclodextrin 2-Hydroxypropylether-β-cyclodextrin Cell Culture Tested C ₅₄ H ₁₀₀ O ₃₉ MW : 1375.36 CAS : 94035-02-6 Assay : ≥98.5% Store at 15-30 °C.	TC446-5G TC446-5X5G	5gm 5x5gm
β-Methyl cyclodextrin Cell Culture Tested CAS : 128446-36-6 Store at 2 - 8°C	TC227-1G TC227-5G TC227-10G	1gm 5gm 10gm
Detergents		
Dextran Sulphate, sodium salt Cell Culture Tested C ₃ H ₈ O ₃ MW : 5,00,000 CAS : 9011-18-1 Assay : ≥98% Store at 2 - 8°C	TC589-10G TC589-50G	10gm 50gm
Dextran sulphate, sodium salt New Mol wt: 40,000 Cell Culture Tested C ₃ H ₈ O ₃ MW : 40000 CAS : 9011-18-1 Assay : ≥98% Store at 2 - 8°C	TC755-5G TC755-25G TC755-100G	5gm 25gm 100gm
Dodecyl sulphate sodium salt (Lauryl sulphate sodium salt) Cell Culture Tested C ₁₂ H ₂₅ NaO ₄ S MW : 288.38 CAS : 151-21-3 Assay : ≥99% Store below 30°C	TC698-25G TC698-100G TC698-250G TC698-500G TC698-1KG	25gm 100gm 250gm 500gm 1kg
Nonidet® P-40 4-Nonylphenyl-polyethylene glycol, NP-40 Cell Culture Tested CAS : 9016-45-9 Store below 30°C	TC708-100ML TC708-500ML	100ml 500ml
Pluronic® F-68 Cell Culture Tested (C ₃ H ₆ O.C ₂ H ₄ O) _x Store below 30°C	TC222-100G TC222-1KG	100gm 1kg

Product	Code	Packing
SDS (See: Dodecyl sulphate sodium salt) Cell Culture Tested C ₁₂ H ₂₅ NaO ₂ S MW : 288.38 Store below 30°C CAS : 151-21-3	TC698-25G	25gm
	TC698-100G	100gm
	TC698-250G	250gm
	TC698-500G	500gm
	TC698-1KG	1kg
Triton® X-100 Cell Culture Tested C ₃₄ H ₆₂ O ₁₁ MW : 646.87 Store below 30°C CAS : 9002-93-1	TC286-100ML	100ml
	TC286-500ML	500ml
Tween®-20 Cell Culture Tested CAS : 9005-64-5 Store below 30°C	TC287-100ML	100ml
	TC287-5X100ML	5X100ml

Differentiation reagents

5-Azacytidine 4-Amino-1-(β-D-ribofuranosyl)-1,3,5-triazin-2(1H)-one, Ladakamycin Cell Culture Tested C ₈ H ₁₂ N ₄ O ₅ MW : 244.2 Assay : ≥98% Store at -20°C CAS : 320-67-2	TC466-100MG	100mg
	TC466-250MG	250mg
	TC466-1G	1gm
Forskolin 7β-Acetoxy-8,13-epoxy-1α,6β,9α-trihydroxy-14-en-11-one, Coleonol, Colforsin Cell Culture Tested C ₂₂ H ₃₄ O ₇ MW : 410.5 Assay : ≥99.5% Store below 30°C CAS : 66575-29-9	TC472-10MG	10mg
	TC472-25MG	25mg
β-Glycerophosphate disodium salt pentahydrate β-GP, Disodium β-glycerol phosphate pentahydrate Cell Culture Tested C ₃ H ₇ Na ₂ O ₆ P · 5H ₂ O MW : 306.11 Assay : ≥96% Store at 2 - 8°C CAS : 13408-09-8	TC463-10G	10gm
	TC463-50G	50gm
	TC463-100G	100gm
Indomethacin 1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-3-indoleacetic acid Cell Culture Tested C ₁₉ H ₁₆ ClNO ₄ MW : 357.79 Assay : ≥99% Store at 2 - 8°C CAS : 53-86-1	TC465-5G	5gm
	TC465-10G	10gm
	TC465-25G	25gm
	TC465-100G	100gm
3-Isobutyl-1-methylxanthine 1-Methyl-3-isobutylxanthine IBMX Cell Culture Tested C ₁₀ H ₁₄ N ₄ O ₂ MW : 222.24 Assay : ≥99% Store at -20°C CAS : 28822-58-4	TC464-100MG	100mg
	TC464-250MG	250mg
	TC464-1G	1gm

Product	Code	Packing
Enzymes		
Acid Phosphatase Cell Culture Tested CAS : 9001-77-8 Store at -20°C	TC678-50U	50units
	TC678-200U	200units
Aldehyde dehydrogenase Cell Culture Tested Activity : ≥ 1U/mg Store at 2 - 8°C CAS : 9028-88-0	TC679-10MG	10mg
	TC488-1000U	1000units
Alkaline phosphatase From Bovine Intestine Cell Culture Tested MW : ~160 kDa Activity : 2000-4000 DAE unit/mg Store at 2 - 8°C CAS : 9001-78-9	TC488-1000U	1000units
	TC680-25G	25gm
Bromelain Source : Pineapple stem Cell Culture Tested MW : ~33 kDa Store at -20°C CAS : 9001-00-7	TC680-100G	100gm
	TC462-1KU	1000 ku
Diaphorase Source : <i>Cl. kluuyveri</i> Cell Culture Tested CAS : 9001-18-7 Activity : ≥ 30 U/mg Store at 2 - 8°C	TC696-10KU	10ku
	TC696-20KU	20ku
Deoxyribonuclease I DNase I Cell Culture Tested Av MW : ~84.5kDa Activity : ≥ 400 U/mg Store at 2 - 8°C CAS : 9003-98-9	TC696-40KU	40ku
	TC681-2500U	2500units
β-Glucosidase Source : Sweet almond Cell Culture Tested CAS : 9001-22-3 Store at 2 - 8°C	TC681-5000U	5000units
	TC486-25MG	25mg
Glucose oxidase Cell Culture Tested CAS : 9001-37-0 Activity : ≥ 100 U/mg Store at -20°C	TC486-50MG	50mg
	TC486-100MG	100mg
	TC682-500U	500units
Glucose-6-Phosphate dehydrogenase Cell Culture Tested CAS : 9001-40-5 Activity : ≥ 400U/mg Store at 2 - 8°C	TC490-25MG	25mg
	TC490-50MG	50mg
Glutamate dehydrogenase From <i>E.coli</i> Cell Culture Tested CAS : 9029-12-3 Activity : ≥ 80 U/mg Store at 2 - 8°C	TC490-100MG	100mg

Cell Culture Tested Chemicals

Product	Code	Packing	\$
Glutaminase L-Glutamine amidohydrolase Cell Culture Tested CAS : 9001-47-2 Activity : ≥ 100 GTU/g Store at 2 - 8°C	TC489-25MG TC489-50MG TC489-100MG	25mg 50mg 100mg	
Glutathione peroxidase Cell Culture Tested MW : 84.5kDa Store at -20°C CAS : 9013-66-5	TC695-100U TC695-200U TC695-500U	100units 200units 500units	
Glutathione-S-Transferase Cell Culture Tested CAS : 50812-37-8 Activity : ≥ 25 U/mg Store at 2 - 8°C	TC492-1MG	1mg	
Hexokinase Cell Culture Tested CAS : 9001-51-8 Store below 2 - 8°C	TC683-1000U TC683-5000U	1000units 5000units	
Horseradish peroxidase Cell Culture Tested CAS : 9003-99-0 Activity : ≥ 250 U/mg Store below 2 - 8°C	TC487-25MG TC487-50MG	25mg 50mg	
D-Lactate dehydrogenase Cell Culture Tested CAS : 9028-36-8 Activity : ≥ 400 U/mg Store below 2 - 8°C	TC491-5KU TC491-10KU	5ku 10ku	
Luciferase Source : <i>Vibrio fischeri</i> Cell Culture Tested CAS : 9014-00-0 Store at -20°C	TC493-25MG	25mg	
Luciferase from firefly Source : <i>Photinus pyralis</i> (firefly) Cell Culture Tested CAS : 61970-00-1 Store at -20°C	TC597-25MG	25mg	
Lysozyme Source : Chicken egg white Cell Culture Tested MW : 14.4 kDa Activity : ≥ 30000 U/mg Store below 2 - 8°C CAS : 12650-88-3	TC684-1G TC684-5G TC684-25G	1gm 5gm 25gm	
Neuraminidase Cell Culture Tested CAS : 9001-67-6 Store below 2 - 8°C	TC694-1U TC694-5U TC694-10U	1units 5units 10units	

Product	Code	Packing
Papain Source : <i>Carica papaya</i> Cell Culture Tested CAS : 9001-73-4 Activity : ≥ 30000 USP units/mg Store at 2 - 8°C	TC685-25G TC685-100G	25gm 100gm
Pepsin (Bovine) Cell Culture Tested CAS : 9001-75-6 Activity : ≥ 10000 NF U/mg Store at 2 - 8°C	TC686-5G	5gm
Proteinase K Cell Culture Tested MW : 28.9 kDa Store at 2 - 8°C CAS : 39450-01-6	TC687-10MG TC687-100MG	10mg 100mg
ProTEVase™ Recombinant TEV Protease Cell Culture Tested Assay : ≥95% Store at -20°C	TC445-1000U TC445-5000U TC445-10000U	1000units 5000units 10000units
Pyruvate kinase Cell Culture Tested MW : 237 kDa Activity : 100-300 units /mg Store at 2 - 8°C CAS : 9001-59-6	TC692-1000U	1000units
RNase A (DNase free) Source : Bovine Pancreas Cell Culture Tested MW : ~13.7 kDa Activity : ≥50 units /mg protein (KUnitz) Store at -20°C CAS : 9001-99-4	TC688-100MG TC688-500MG TC688-1G	100mg 500mg 1gm
Renin Cell Culture Tested CAS : 9001-98-3 Rennet strength : ≥ 800 MCU/g Store at 2 - 8°C	TC689-1G TC689-5G	1gm 5gm
Superoxide dismutase (SOD) Cell Culture Tested MW : 32.5 kDa Activity : ≥3000 U/mg Store at -20°C CAS : 9054-89-1	TC693-15KU	15ku
TUNEL enzyme (Terminal deoxynucleotidyl transferase) Cell Culture Tested MW : 60 kDa Activity : ≥ 5000Units/mg Store at -20°C CAS : 9027-67-2	TC697-1000U	1000units
Urease Cell Culture Tested Av MW : 90.77kDa Store at -20°C CAS : 9002-13-5	TC691-25GM	25gm
Xanthine oxidase Cell Culture Tested CAS : 9002-17-9 Activity : ~ 15U/mg Store at 2 - 8°C	TC690-5U TC690-250U	5units 250units

Product	Code	Packing
Fatty acids		
Arachidonic acid Cell Culture Tested $C_{20}H_{32}O_2$ MW : 304.47 CAS : 506-32-1 Assay : $\geq 90\%$ Store at 2 - 8°C	TC389-10MG TC389-50MG	10mg 50mg
Linoleic acid methyl ester Cell Culture Tested $C_{19}H_{34}O_2$ MW : 294.47 CAS : 112-63-0 Assay : $\geq 99\%$ Store at 2 - 8°C	TC383-1G TC383-5G TC383-10G	1gm 5gm 10gm
Linoleic acid, Free acid Cell Culture Tested $C_{18}H_{32}O_2$ MW : 280.45 CAS : 60-33-3 Assay : $\geq 99\%$ Store at 2 - 8°C	TC381-100MG TC381-1G TC381-5G	100mg 1gm 5gm
α-Lipoic Acid (\pm)- α -Lipoic acid, (\pm)-1,2-Dithiolane-3-pentanoic acid, 6,8-Dithiooctanoic acid, DL- α -Lipoic acid, DL-6,8-Thioctic acid, Lip(S2) Cell Culture Tested $C_8H_{14}O_2S_2$ MW : 206.33 CAS : 1077-28-7 Assay : $\geq 98\%$ Store at 2 - 8°C	TC449-1G TC449-5G TC449-25G	1gm 5gm 25gm
Oleic acid Cell Culture Tested $C_{18}H_{34}O_2$ MW : 282.46 CAS : 112-80-1 Assay : $\geq 97\%$ Store at 2 - 8°C	TC382-1ML TC382-5ML TC382-25ML	1ml 5ml 25ml
Palmitic acid Cell Culture Tested $C_{16}H_{32}O_2$ MW : 256.42 CAS : 57-10-3 Assay : $\geq 98\%$ Store below 30°C	TC386-10G TC386-25G TC386-100G	10gm 25gm 100gm
Palmitic acid methyl ester Cell Culture Tested $C_{17}H_{34}O_2$ MW : 270.45 CAS : 112-39-0 Assay : $\geq 95\%$ Store below 30°C	TC387-1G TC387-5G TC387-25G	1gm 5gm 25gm
Palmitoleic acid Cell Culture Tested $C_{16}H_{30}O_2$ MW : 254.41 CAS : 373-49-9 Assay : $\geq 99\%$ Store at 2 - 8°C	TC388-100MG TC388-1G	100mg 1gm
Stearic acid Cell Culture Tested $C_{18}H_{36}O_2$ MW : 284.48 CAS : 57-11-4 Assay : $\geq 99\%$ Store below 30°C	TC384-1G TC384-5G TC384-10G TC384-25G	1gm 5gm 10gm 25gm

Product	Code	Packing
Hormones and Hormone Alternative		
Dexamethasone Cell Culture Tested $C_{22}H_{26}FO_5$ MW : 392.46 CAS : 50-02-2 Assay : $\geq 97\%$ Store at 2 - 8°C	TC277-25MG TC277-100MG TC277-500MG TC277-1G	25mg 100mg 500mg 1gm
Dopamine hydrochloride Cell Culture Tested $C_8H_{11}NO_2 \cdot HCl$ MW : 189.64 CAS : 62-31-7 Assay : $\geq 98\%$ Store at 2 - 8°C	TC281-1G TC281-5G TC281-25G	1gm 5gm 25gm
1-Eicosanol Cell Culture Tested $C_{20}H_{40}O$ MW : 298.55 CAS : 629-96-9 Assay : $\geq 98\%$ Store below 30°C	TC283-5G TC283-25G	5gm 25gm
Epiandrosterone Cell Culture Tested $C_{19}H_{30}O_2$ MW : 290.44 CAS : 481-29-8 Assay : $\geq 97\%$ Store below 30°C	TC284-1G TC284-5G	1gm 5gm
β-Estradiol Cell Culture Tested $C_{18}H_{24}O_2$ MW : 272.38 CAS : 50-28-2 Assay : $\geq 97\%$ Store below 30°C	TC346-1G	1gm
Human Recombinant Prolactin Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	TC302-10MCG TC302-50MCG	10mcg 50mcg
Hydrocortisone Cell Culture Tested $C_{21}H_{30}O_5$ MW : 362.46 CAS : 50-23-7 Assay : $\leq 98\%$ Store below 30°C	TC344-1G TC344-5G TC344-10G	1gm 5gm 10gm
Murine Recombinant Prolactin Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	TC329-10MCG TC329-50MCG	10mcg 50mcg
Progesterone Cell Culture Tested $C_{21}H_{30}O$ MW : 314.46 CAS : 57-83-0 Assay : $\geq 97\%$ Store below 30°C	TC379-1G TC379-5G TC379-25G	1gm 5gm 25gm

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Product	Code	Packing
Lipids		
Cholesterol (5-cholesten-3β-ol) Cell Culture Tested $C_{27}H_{46}O$ MW : 386.65 CAS : 57-88-5 Assay : ≥98% Store at 2 - 8°C	TC101-5G TC101-25G TC101-100G	5gm 25gm 100gm
Sphingomyelin Cell Culture Tested Source : Bovine brain CAS : 85187-10-6 Assay : ≥98% Store at -20°C	TC279-100MG TC279-500MG	100mg 500mg
Nucleotides and Nucleosides		
Adenine Cell Culture Tested $C_5H_5N_5$ MW : 135.13 CAS : 73-24-5 Assay : ≥99% Store below 30°C	TC082-5G TC082-25G TC082-100G	5gm 25gm 100gm
Adenine sulfate Cell Culture Tested $C_5H_5N_5 \cdot 1/2 H_2SO_4$ MW : 184.17 CAS : 321-30-2 Assay : ≥99% Store below 30°C	TC071-5G TC071-25G TC071-100G TC071-500G	5gm 25gm 100gm 500gm
Adenosine Cell Culture Tested $C_{10}H_{13}N_5O_4$ MW : 267.24 CAS : 58-61-7 Assay : ≥99% Store at 2 - 8°C	TC083-5G TC083-25G	5gm 25gm
Adenosine-5'-monophosphate disodium salt Cell Culture Tested $C_{10}H_{12}N_5Na_2O_7P$ MW : 391.18 CAS : 4578-31-8 Assay : ≥95% Store at 2 - 8°C	TC312-1G TC312-5G TC312-25G	1gm 5gm 25gm
Adenosine 5'-monophosphate sodium salt Cell Culture Tested $C_{10}H_{14}N_5O_7P \cdot Na^+ \cdot yH_2O$ MW : 347.22 CAS : 149022-20-8 (Anhydrous free acid basis) Assay : ≥99% Store at 2 - 8°C	TC084-1G TC084-5G	1gm 5gm
Adenosine 5'-triphosphate disodium salt Cell Culture Tested $C_{10}H_{14}N_5Na_2O_{13}P_3$ MW : 551.14 CAS : 987-65-5 Assay : ≥95% Store at 2 - 8°C	TC085-1G TC085-5G TC085-25G	1gm 5gm 25gm

Product	Code	Packing
5-Bromo-2'-deoxyuridine (BrdU) 5-BrdU Cell Culture Tested $C_9H_{11}BrN_2O_5$ MW : 307.10 CAS : 59-14-3 Assay : ≥96.5% Store at 2 - 8°C	TC372-100MG TC372-250MG TC372-500MG	100mg 250mg 500mg
Cytidine Cell Culture Tested $C_9H_{13}N_3O_5$ MW : 243.22 CAS : 65-46-3 Assay : ≥99% Store below 30°C	TC110-1G TC110-5G TC110-50G	1gm 5gm 50gm
2'-Deoxyadenosine monohydrate Cell Culture Tested $C_{11}H_{13}N_5O_5 \cdot H_2O$ MW : 269.26 CAS : 16373-93-6 Assay : ≥99% Store at 2 - 8°C	TC111-1G TC111-5G	1gm 5gm
2'-Deoxycytidine hydrochloride Cell Culture Tested $C_9H_{13}N_3O_5 \cdot HCl$ MW : 263.68 CAS : 3992-42-5 Assay : ≥99% Store below 30°C	TC112-250MG TC112-1G TC112-10G	250mg 1gm 10gm
2-Deoxy-D-ribose Cell Culture Tested $C_5H_{10}O_4$ MW : 134.13 CAS : 533-67-5 Assay : ≥99% Store at 2 - 8°C	TC114-1G TC114-5G	1gm 5gm
N6-2'-O-Dibutryl adenosine-3',5' cyclic monophosphate sodium salt Bucladesine sodium salt, Dibutryl cAMP sodium salt, Dibutryl cyclic-AMP sodium salt Cell Culture Tested $C_{18}H_{23}N_5O_9PNa$ MW : 491.37 CAS : 16980-89-5 Assay : ≥95% Store at -20°C	TC467-25MG TC467-100MG TC467-250MG TC467-1G	25mg 100mg 250mg 1gm
β-Nicotinamide adenine dinucleotide, From Yeast Cell Culture Tested $C_{21}H_{27}N_7O_{14}P_2$ MW : 663.43 CAS : 53-84-9 Assay : ≥95% Store at 2 - 8°C	TC156-100MG TC156-1G TC156-5G TC156-10G	100mg 1gm 5gm 10gm
Thymidine Cell Culture Tested $C_{10}H_{14}N_2O_5$ MW : 242.23 CAS : 50-89-5 Assay : ≥99% Store below 30°C	TC174-1G TC174-5G TC174-10G TC174-25G	1gm 5gm 10gm 25gm
Thymine Cell Culture Tested $C_8H_{10}N_2O_2$ MW : 126.11 CAS : 65-71-4 Assay : ≥98% Store below 30°C	TC175-5G TC175-25G	5gm 25gm

Product	Code	Packing
Uracil Cell Culture Tested $C_4H_4N_2O_2$ MW : 112.09 CAS : 66-22-8 Assay : $\geq 99\%$ Store below 30°C	TC178-25G TC178-100G TC178-500G	25gm 100gm 500gm
Uridine Cell Culture Tested $C_9H_{12}N_2O_6$ MW : 244.2 CAS : 58-96-8 Assay : $\geq 99\%$ Store at 2 - 8°C	TC181-5G TC181-25G TC181-50G	5gm 25gm 50gm
Chemicals Meeting Pharmacopoeial Testing Specifications		
Acetic acid, Glacial Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CH_3COOH MW : 60.05 CAS : 64-19-7 Store below 30°C	TC574M-1000ML	1000ml
N-Acetyl-L-Cysteine Acetylcysteine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_4H_7NO_3S$ MW : 163.191 CAS : 616-91-1 Store at 2-8°C	TC054M-5G TC054M-25G TC054M-100G	5gm 25gm 100gm
L-Alanine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_3H_7NO_2$ MW : 89.09 CAS : 56-41-7 Store below 30°C	TC056M-25G TC056M-100G TC056M-500G TC056M-1KG	25gm 100gm 500gm 1kg
Ammonium chloride Meets USP 41-NF 36, EP 9.0 and BP 2016 and IP 2018 testing specifications ClH_4N MW : 53.49 CAS : 12125-02-9 Store below 30°C	TC092M-100G TC092M-500G	100gm 500gm
L-Arginine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{14}N_4O_2$ MW : 174.2 CAS : 74-79-3 Store below 30°C	TC052M-25G TC052M-100G TC052M-500G TC052M-1KG	25gm 100gm 500gm 1kg
L-Arginine monohydrochloride (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_{14}N_4O_2 \cdot HCl$ MW : 210.66 CAS : 1119-34-2 Store below 30°C	TC053M-25G TC053M-100G TC053M-500G TC053M-1KG	25gm 100gm 500gm 1kg

Product	Code	Packing
L-Asparagine monohydrate (From non-animal source) Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_4H_8N_2O_5 \cdot H_2O$ MW : 150.13 CAS : 5794-13-8 Store below 30°C	TC057M-25G TC057M-100G TC057M-500G TC057M-1KG	25gm 100gm 500gm 1kg
L-Aspartic acid (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_4H_7NO_4$ MW : 133.11 CAS : 56-84-8 Store below 30°C	TC059M-25G TC059M-100G TC059M-500G	25gm 100gm 500gm
D-Biotin New Meets USP 41-NF 36, EP 9.0, BP 2016 and JP 17 testing specifications $C_{10}H_{16}N_2O_3S$ MW : 244.31 CAS : 58-85-5 Store at 2-8°C	TC096M-5G TC096M-25G	5gm 25gm
Boric acid Hydrogen borate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications H_3BO_3 MW : 61.83 CAS : 10043-35-3 Store below 30°C	TC580M-500G TC580M-1KG	500gm 1kg
Calcium chloride dihydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $CaCl_2 \cdot 2H_2O$ MW : 147.01 CAS : 10035-04-8 Store below 30°C	TC001M-500G TC001M-1KG	500gm 1kg
Calcium sulfate New Meets USP 41-NF 36 testing specifications $CaSO_4$ MW : 136.14 CAS : 7778-18-9 Store below 30°C	TC502U-1KG	1kg
Citric acid anhydrous Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_8O_7$ MW : 192.12 CAS : 77-92-9 Store below 30°C	TC105M-100G TC105M-500G	100gm 500gm
Citric acid monohydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_8O_7 \cdot H_2O$ MW : 210.14 CAS : 5949-29-1 Store below 30°C	TC454M-500G TC454M-1KG	500gm 1kg
CryoXL™ DMSO (See: Dimethyl sulfoxide) Sterile Filtered Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications C_2H_6OS MW : 78.13 CAS : 67-68-5 Assay : $\geq 99.5\%$ Store at 2 - 8°C	TC450M-100ML	100ml

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Product	Code	Packing
Cupric chloride dihydrate Copper dichloride; Copper(II) chloride Meets USP 41-NF 36 testing specifications $CuCl_2 \cdot 2H_2O$ MW : 170.48 CAS : 10125-13-0 Store below 30°C	TC108U-100G	100gm
	TC108U-500G	500gm
Cupric sulphate anhydrous Copper(II) sulfate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $CuSO_4$ MW : 159.61 CAS : 7758-98-7 Store below 30°C	TC609M-100G	100gm
	TC609M-1KG	1kg
Cupric sulphate pentahydrate Copper (II) sulphate pentahydrate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $CuSO_4 \cdot 5H_2O$ MW : 249.69 CAS : 7758-99-8 Store below 30°C	TC003M-500G	500gm
	TC003M-1KG	1kg
Cyanocobalamin (See: Vitamin B12) Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{63}H_{88}CoN_{14}O_{14}P$ MW : 1355.37 CAS : 68-19-9 Store at 2-8°C	TC183M-100MG	100mg
	TC183M-250MG	250mg
	TC183M-1G	1gm
	TC183M-5G	5gm
L-Cysteine hydrochloride monohydrate (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $HSCH_2CH(NH_2)COOH \cdot HCl \cdot H_2O$ MW : 175.63 CAS : 7048-04-6 Store below 30°C	TC058M-25G	25gm
	TC058M-100G	100gm
	TC058M-500G	500gm
	TC058M-1KG	1kg
L-Cystine (From non animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $HSCH_2CH(NH_2)CO_2H$ MW : 240.3 CAS : 56-89-3 Store below 30°C	TC070M-25G	25gm
	TC070M-100G	100gm
	TC070M-500G	500gm
	TC070M-1KG	1kg
Dimethyl sulfoxide (See: CryoXL™ DMSO) Sterile Filtered Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications C_2H_6OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store at 2 - 8°C	TC450M-100ML	100ml
Edetic acid (See: EDTA free acid, anhydrous) Diaminoethane-tetraacetic acid, Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_{10}H_{16}N_2O_8$ MW : 292.24 CAS : 60-00-4 Store below 30°C	TC115M-100G	100gm
	TC115M-500G	500gm

Product	Code	Packing
EDTA free acid anhydrous (See : Edetic acid) Diaminoethane-tetraacetic acid Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_{10}H_{16}N_2O_8$ MW : 292.24 CAS : 60-00-4 Store below 30°C	TC115M-100G	100gm
	TC115M-500G	500gm
EDTA disodium salt dihydrate EDTA disodium salt Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$ MW : 372.24 CAS : 6381-92-6 Store below 30°C	TC038M-100G	100gm
	TC038M-500G	500gm
Ferric ammonium citrate, Brown (Ammonium iron(III) citrate) Meets USP 41-NF 36 and IP 2018 testing specifications $C_6H_8O_7 \cdot xFe_3+ \cdot yNH_3$ CAS : 1185-57-5 Store below 30°C	TC453M-100G	100gm
	TC453M-500G	500gm
Ferric chloride hexahydrate Iron(III) chloride hexahydrate Meets EP 9.0 and BP 2016 testing specifications $FeCl_3 \cdot 6H_2O$ MW : 270.28 CAS : 10025-77-1 Store below 30°C	TC587M-5G	5gm
	TC587M-25G	25gm
	TC587M-100G	100gm
Ferrous sulphate heptahydrate Iron(II) sulfate heptahydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $FeSO_4 \cdot 7H_2O$ MW : 278.01 CAS : 7782-63-0 Store below 30°C	TC119M-500G	500gm
	TC119M-1KG	1kg
Folic acid Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{19}H_{19}N_7O_6$ MW : 441.4 CAS : 59-30-3 Store at 2-8°C	TC123M-5G	5gm
	TC123M-25G	25gm
D-(+)-Galactose anhydrous Meets EP 9.0 and BP 2016 testing specifications $C_6H_{12}O_6$ MW : 180.16 CAS : 59-23-4 Store below 30°C	TC127M-100G	100gm
	TC127M-500G	500gm
	TC127M-1KG	1kg
α-(D)-Galactose anhydrous Meets USP 41-NF 36 testing specifications $C_6H_{12}O_6$ MW : 180.16 CAS : 3646-73-9 Store below 30°C	TC127U-100G	100gm
	TC127U-500G	500gm
	TC127U-1KG	1kg

Product	Code	Packing
D-(+)-Glucose anhydrous Dextrose Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{12}O_6$ MW : 180.16 CAS : 50-99-7 Store below 30°C	TC130M-100G	100gm
	TC130M-1KG	1kg
L-Glutamic acid (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_9NO_4$ MW : 147.13 CAS : 56-86-0 Store below 30°C	TC074M-25G	25gm
	TC074M-100G	100gm
	TC074M-500G	500gm
	TC074M-1KG	1kg
L-Glutamine (From non-animal source) Meets USP 41-NF 36 and JP 17 testing specifications $C_6H_{11}NO_2$ MW : 146.14 CAS : 56-85-9 Store below 30°C	TC243M-10G	10gm
	TC243M-25G	25gm
	TC243M-100G	100gm
	TC243M-1KG	1kg
Glycerol Glycerin Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $HOCH_2CH(OH)CH_2OH$ MW : 92.09 CAS : 56-81-5 Store below 30°C	TC503M-500ML	500ml
	TC503M-1L	1lt
Glycine 2-Aminoacetic acid Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NH_2CH_2COOH MW : 75.07 CAS : 56-40-6 Store below 30°C	TC075M-100G	100gm
	TC075M-1KG	1kg
L-Histidine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_9N_3O_2$ MW : 155.15 CAS : 71-00-1 Store below 30°C	TC076M-100G	100gm
	TC076M-500G	500gm
	TC076M-1KG	1kg
L-Histidine monohydrochloride monohydrate (From non-animal source) Meets EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_{13}N_3O_2 \cdot HCl \cdot H_2O$ MW : 209.63 CAS : 5934-29-2 Store below 30°C	TC077M-25G	25gm
	TC077M-100G	100gm
	TC077M-1KG	1kg
L-Isoleucine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_9H_{17}NO_2$ MW : 131.18 CAS : 73-32-5 Store below 30°C	TC049M-10G	10gm
	TC049M-25G	25gm
	TC049M-100G	100gm
	TC049M-1KG	1kg

Product	Code	Packing
Kanamycin sulphate Meets USP 41- NF 36 and JP 17 testing specifications $C_{18}H_{30}N_2O_{11} \cdot H_2SO_4$ MW : 582.58 CAS : 25389-94-0 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC136M-1G	1gm
	TC136M-5G	5gm
	TC136M-25G	25gm
Kanamycin acid sulphate Meets IP 2018 and BP 2016 testing specifications $C_{18}H_{30}N_2O_{19}S_2$ MW : 680.64 CAS : 64013-70-3 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC636M-1G	1gm
	TC636M-5G	5gm
	TC636M-25G	25gm
Lactose monohydrate New Meets USP 41-NF 36, EP 9.0, JP 17 and IP 2018 testing specifications $C_{12}H_{22}O_{11} \cdot H_2O$ MW : 360.31 CAS : 64044-51-5 Store below 30°C	TC144M-1KG	1kg
N-Lauroylsarcosine sodium Salt N-Dodecanoyl-N-methylglycine sodium salt Meets EP 9.0 testing specification $CH_3(CH_2)_{10}CON(CH_3)CH_2COONa$ MW : 293.38 CAS : 137-16-6 Store below 30°C	TC541E-5G	5gm
	TC541E-25G	25gm
L-Leucine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_9H_{17}NO_2$ MW : 131.17 CAS : 61-90-5 Store below 30°C	TC078M-10G	10gm
	TC078M-25G	25gm
	TC078M-100G	100gm
	TC078M-1KG	1kg
L-Lysine monohydrochloride L-Lysine hydrochloride (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_{14}N_2O_2 \cdot HCl$ MW : 182.65 CAS : 657-27-2 Store below 30°C	TC079M-25G	25gm
	TC079M-100G	100gm
	TC079M-1KG	1kg
Magnesium sulfate heptahydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $H_{12}MgO_{11}S$ MW : 246.466 CAS : 10034-99-8 Store below 30°C	TC577M-100G	100gm
	TC577M-1KG	1kg
Manganese (II) sulphate monohydrate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $MnO_2 \cdot S \cdot H_2O$ MW : 169 CAS : 10034-96-5 Store below 30°C	TC149M-100G	100gm
	TC149M-500G	500gm
D-Mannitol Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_8H_{18}O_6$ MW : 182.172 CAS : 69-65-8 Store below 30°C	TC513M-25G	25gm
	TC513M-100G	100gm

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Product	Code	Packing
L-Methionine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_5H_{11}NO_2S$ MW : 149.21 CAS : 63-68-3 Store below 30°C	TC080M-25G	25gm
	TC080M-100G	100gm
	TC080M-1KG	1kg
Methotrexate New Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{20}H_{22}N_8O_5$ MW : 454.44 CAS : 59-05-2 Store below 30°C	TC762M-1G	1gm
	TC762M-5G	5gm
Nicotinamide Niacinamide Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_6N_2O$ MW : 122.12 CAS : 98-92-0 Store below 30°C	TC154M-100G	100gm
	TC154M-500G	500gm
Orthophosphoric acid Phosphoric acid Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications H_3PO_4 MW : 98 CAS : 7664-38-2 Store below 30°C	TC533M-100G	100gm
	TC533M-500G	500gm
L-Phenylalanine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_9H_9NO_2$ MW : 165.19 CAS : 63-91-2 Store below 30°C	TC098M-10G	10gm
	TC098M-25G	25gm
	TC098M-100G	100gm
	TC098M-1KG	1kg
Pluronic® F-68 (See: Poloxamer 188) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications $(C_3H_5O.C_2H_4O)_x$ MW : 60.09 CAS : 9003-11-6 Store at 2 - 8°C	TC222M-100G	100gm
	TC222M-1KG	1kg
Poloxamer 188 (See: Pluronic® F-68) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications $(C_3H_5O.C_2H_4O)_x$ MW : 60.09 CAS : 9003-11-6 Store at 2 - 8°C	TC222M-100G	100gm
	TC222M-1KG	1kg
Polysorbate 20 (See: Tween® 20) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications CAS : 9005-64-5 Store below 30°C	TC287M-100ML	100ml
	TC287M-5x100ML	5x100ml
Potassium chloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications KCl MW : 74.55 CAS : 7447-40-7 Store below 30°C	TC010M-250G	250gm
	TC010M-500G	500gm
	TC010M-1KG	1kg

Product	Code	Packing
Potassium dihydrogen phosphate anhydrous Monobasic Potassium phosphate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications KH_2PO_4 MW : 136.09 CAS : 7778-77-0 Store below 30°C	TC011M-100G	100gm
	TC011M-500G	500gm
	TC011M-1KG	1kg
	TC011M-5KG	5kg
di-Potassium hydrogen phosphate anhydrous Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications HK_2O_4P MW : 174.2 CAS : 7758-11-4 Store below 30°C	TC596M-500G	500gm
	TC596M-1KG	1kg
Potassium hydroxide pellets New Potash Caustic Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KOH MW : 56.11 CAS : 1310-58-3 Store below 30°C	TC505M-1KG	1kg
	TC505M-5KG	5kg
Potassium iodide New Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications KI MW : 166.00 CAS : 7681-11-0 Store below 30°C	TC766M-250G	250gm
	TC766M-1KG	1kg
	TC766M-5KG	5kg
Potassium sulfate New Meets EP 9.0 and BP 2016 testing specification K_2SO_4 MW : 174.26 CAS : 7778-80-5 Store below 30°C	TC765M-100G	100gm
	TC765M-500G	500gm
	TC765M-1KG	1kg
L-Proline (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_5H_9NO_2$ MW : 115.13 CAS : 147-85-3 Store below 30°C	TC109M-25G	25gm
	TC109M-100G	100gm
	TC109M-500G	500gm
	TC109M-1KG	1kg
1-Propanol N-Propanol Meets EP 9.0 and BP 2016 testing specifications C_3H_8O MW : 60.09 CAS : 71-23-8 Store below 30°C	TC571M-500ML	500ml
	TC571M-1L	1l
Pyridoxine hydrochloride Vitamin B6; Pyridoxol hydrochloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_8H_{11}NO_3.HCl$ MW : 205.64 CAS : 58-56-0 Store at 2 - 8°C	TC039M-10G	10gm
	TC039M-25G	25gm
	TC039M- 100G	100gm
(-)-Riboflavin Vitamin G; Vitamin B2; Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{17}H_{20}N_4O_6$ MW : 376.36 CAS : 83-88-5 Store below 30°C	TC167M-25G	25gm
	TC167M-100G	100gm

Product	Code	Packing
L-Serine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_2H_5NO_2$ MW : 105.09 CAS : 56-45-1 Store below 30°C	TC113M-25G	25gm
	TC113M-100G	100gm
	TC113M-500G	500gm
	TC113M-1KG	1kg
Sodium acetate anhydrous Acetic acid sodium salt, Sodium acetate Meets USP 41-NF 36 testing specifications CH_3COONa MW : 82.03 CAS : 127-09-3 Store below 30°C	TC023U-100G	100gm
	TC023U-500G	500gm
Sodium acetate trihydrate Acetic acid sodium salt trihydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_2H_3NaO_3$ MW : 136.079 CAS : 6131-90-4 Store below 30°C	TC456M-250G	250gm
	TC456M-500G	500gm
	TC456M-1KG	1kg
	TC456M-2KG	2kg
	TC456M-5KG	5kg
Sodium bicarbonate Sodium hydrogen carbonate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $NaHCO_3$ MW : 84.01 CAS : 144-55-8 Store below 30°C	TC230M-100G	100gm
	TC230M-500G	500gm
	TC230M-1KG	1kg
	TC230M-5KG	5kg
Sodium caprylate New Sodium octanoate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_8H_{15}O_2$ MW : 144.21 CAS : 124-07-2 Store below 30°C	TC770M-100G	100gm
	TC770M-500G	500gm
	TC770M-1KG	1kg
Sodium chloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaCl MW : 58.44 CAS : 7647-14-5 Store below 30°C	TC046M-500G	500gm
	TC046M-1KG	1kg
	TC046M-5KG	5kg
	TC046M-10KG	10kg
Sodium citrate anhydrous Meets USP 41-NF 36 testing specifications $Na_3C_6H_5O_7$ MW : 214.11 CAS : 68-04-2 Store below 30°C	TC526U-100G	100gm
	TC526U-500G	500gm
tri-Sodium citrate dihydrate Sodium citrate dihydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $Na_3C_6H_5O_7 \cdot 2H_2O$ MW : 294.1 CAS : 6132-04-3 Store below 30°C	TC249M-500G	500gm
	TC249M-1KG	1kg
	TC249M-5KG	5kg
Sodium hydroxide pellets Caustic Soda Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaOH MW : 40 CAS : 1310-73-2 Store below 30°C	TC460M-500G	500gm
	TC460M-1KG	1kg
	TC460M-5KG	5kg

Product	Code	Packing
di-Sodium hydrogen phosphate anhydrous Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications Na_2HPO_4 MW : 141.96 CAS : 7558-79-4 Store below 30°C	TC051M-100G	100gm
	TC051M-500G	500gm
	TC051M-1KG	1kg
	TC051M-5KG	5kg
di-Sodium hydrogen phosphate dihydrate Disodium phosphate dihydrate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $Na_2HPO_4 \cdot 2H_2O$ MW : 177.99 CAS : 10028-24-7 Store below 30°C	TC507M-500G	500gm
	TC507M-1KG	1kg
	TC507M-5KG	5kg
Sodium molybdate dihydrate Meets EP 9.0 and BP 2016 testing specifications $Na_2MoO_4 \cdot 2H_2O$ MW : 241.95 CAS : 10102-40-6 Store below 30°C	TC581M-25G	25gm
	TC581M-100G	100gm
	TC581M-500G	500gm
	TC581M-1KG	1kg
Sodium phosphate monobasic anhydrous Monosodium dihydrogen orthophosphate, Monosodium phosphate, anhydrous Meets USP 41-NF 36, BP 2016 and IP 2018 testing specifications NaH_2PO_4 MW : 119.98 CAS : 7558-80-7 Store below 30°C	TC459M-100G	100gm
	TC459M-500G	500gm
	TC459M-1KG	1kg
Sodium phosphate dibasic heptahydrate New Disodium phosphate heptahydrate Meets USP specifications $Na_2HPO_4 \cdot 7H_2O$ MW : 268.07 CAS : 7782-85-6 Store below 30°C	TC760U-250G	250gm
	TC760U-500G	500gm
	TC760U-1KG	1kg
Sodium selenite anhydrous Meets EP 9.0 testing specifications Na_2SeO_3 MW : 172.94 CAS : 10102-18-8 Store below 30°C	TC169E-10G	10gm
	TC169E-25G	25gm
	TC169E-100G	100gm
Sodium sulfate anhydrous Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications Na_2SO_4 MW : 142.04 CAS : 7757-82-6 Store below 30°C	TC572M-500G	500gm
	TC572M-1KG	1kg
	TC572M-5KG	5kg
D-(-)-Sorbitol Polyhydric alcohol; D- Glucitol Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{14}O_6$ MW : 182.17 CAS : 50-70-4 Store below 30°C	TC170M-500G	500gm
	TC170M-1KG	1kg
	TC170M-5KG	5kg
Sucrose D-(+)-Saccharose, Sugar Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{12}H_{22}O_{11}$ MW : 342.30 CAS : 57-50-1 Store below 30°C	TC048M-500G	500gm
	TC048M-1KG	1kg
	TC048M-5KG	5kg

Cell Culture Tested Chemicals

Product	Code	Packing
Thiamine hydrochloride Vitamin B1; Thiamine monohydrochloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C ₁₂ H ₁₇ ClN ₄ OS.HCl MW : 337.27 CAS : 67-03-8 Store at 2 - 8°C	TC173M-25G	25gm
	TC173M-100G	100gm
	TC173M-500G	500gm
Thimerosal New Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specification C ₉ H ₉ HgNaO ₂ S MW : 404.81 CAS : 54-64-8 Store below 30°C	TC470M-10G	10gm
	TC470M-25G	25gm
L-Threonine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C ₄ H ₉ NO ₃ MW : 119.12 CAS : 72-19-5 Store below 30°C	TC120M-25G	25gm
	TC120M-100G	100gm
	TC120M-500G	500gm
	TC120M-1KG	1kg
D-(+)-Trehalose dihydrate Mycose, Tremalose Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C ₁₂ H ₂₂ O ₁₁ · 2H ₂ O MW : 378.33 CAS : 6138-23-4 Store below 30°C	TC177M-10G	10gm
	TC177M-25G	25gm
	TC177M-100G	100gm
Tris Base (Trizma®) Tromethamine; Tris(hydroxymethyl)aminomethane, Trometamol Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications NH ₂ C(CH ₂ OH) ₃ MW : 121.14 CAS : 77-86-1 Store below 30°C	TC072M-100G	100gm
	TC072M-500G	500gm
	TC072M-1KG	1kg
L-Tryptophan (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C ₁₁ H ₁₂ N ₂ O ₂ MW : 204.23 CAS : 73-22-3 Store below 30°C	TC121M-25G	25gm
	TC121M-100G	100gm
	TC121M-500G	500gm
	TC121M-1KG	1kg
Tween® 20 (See: Polysorbate 20) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications CAS : 9005-64-5 Store below 30°C	TC287M-100ML	100ml
	TC287M-5x100ML	5x100ml
L-Tyrosine (From animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications 4-(HO)C ₆ H ₄ CH ₂ CH(NH ₂)CO ₂ H MW : 181.19 CAS : 60-18-4 Store below 30°C	TC122M-25G	25gm
	TC122M-100G	100gm
	TC122M-500G	500gm
	TC122M-1KG	1kg
Urea (Carbamide) Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NH ₂ CONH ₂ MW : 60.06 CAS : 57-13-6 Store below 30°C	TC180M-500G	500gm
	TC180M-1KG	1kg
	TC180M-5KG	5kg

Product	Code	Packing
L-Valine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C ₆ H ₁₁ NO ₂ MW : 117.15 CAS : 72-18-4 Store below 30°C	TC132M-25G	25gm
	TC132M-100G	100gm
	TC132M-500G	500gm
	TC132M-1KG	1kg
Vitamin B12 (See : Cyanocobalamin) Cell Culture Tested Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P MW : 1355.37 CAS : 68-19-9 Store at 2-8°C	TC183M-100MG	100mg
	TC183M-250MG	250mg
	TC183M-1G	1gm
	TC183M-5G	5gm
Zinc chloride anhydrous Zinc(II) chloride, Zinc dichloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications ZnCl ₂ MW : 136.29 CAS : 7646-85-7 Store below 30°C	TC184M-100G	100gm
	TC184M-500G	500gm
	TC184M-1KG	1kg
Zinc sulfate heptahydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications ZnSO ₄ ·7H ₂ O MW : 287.56 CAS : 7446-20-0 Store below 30°C	TC131M-100G	100gm
	TC131M-500G	500gm
Aluminium hydroxide, dried gel Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications MW : 78 CAS : 21645-51-2 Store below 30°C	TC550M-500G	500gm
	TC550M-1KG	1kg
	TC550M-5KG	5kg

Product	Code	Packing
Vaccine Stabilizers and Adjuvants		
Aluminium phosphate gel Meets EP 9.0 and BP 2016 testing specifications AlO ₃ P MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551M-100ML TC551M-500ML	100ml 500ml
Aluminium phosphate gel Meets USP 41-NF 36 testing specifications AlO ₃ P MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551U-100ML TC551U-500ML	100ml 500ml
Aluminium potassium sulphate dodecahydrate (See: Potassium alum dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KAl(SO ₄) ₂ ·12H ₂ O MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G TC552M-1KG	500gm 1kg
Ammonium sulphate Diammonium sulphate Meets USP 41-NF 36 testing specifications (NH ₄) ₂ SO ₄ MW : 132.14 CAS : 7783-20-2 Store below 30°C	TC553U-500G TC553U-1KG TC553U-5KG	500gm 1kg 5kg
Benzethonium chloride Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C ₂₇ H ₄₂ ClNO ₂ MW : 448.09 CAS : 121-54-0 Store below 30°C	TC554M-100G TC554M-250G	100gm 250gm
Bromoethyl amine hydrobromide 2-Aminoethyl bromide hydrobromide BrCH ₂ CH ₂ NH ₂ · HBr MW : 204.89 CAS : 2576-47-8 Assay : ≥96% Store below 30°C	TC516-100G TC516-1KG TC516-5KG	100gm 1kg 5kg
Cetyl trimethyl ammonium bromide Cetrimonium bromide; Hexadecyltrimethylammonium bromide Meets USP 41-NF 36 testing specifications MW : 364.45 CAS : 57-09-0 Store below 30°C	TC555U-25G TC555U-100G TC555U-500G	25gm 100gm 500gm
Formaldehyde sol, ≥35% Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CH ₂ O MW : 30.03 CAS : 50-00-0 Store below 30°C	TC557M-500ML	500ml

Product	Code	Packing
Glutaraldehyde, 50% Glutaral Meets USP 41- NF 36, BP 2016 and IP 2018 testing specifications MW : 100.12 CAS : 111-30-8 Store at 2 - 8°C	TC558M-100ML	100ml
Hemin MW : 652 CAS : 16009-13-5 Assay : ≥95% Store at 2 - 8°C	TC559-1G TC559-5G	1gm 5gm
Magnesium stearate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C ₃₆ H ₇₀ MgO ₄ MW : 591.27 CAS : 557-04-0 Store below 30°C	TC560M-500G TC560M-1KG	500gm 1kg
Mineral oil White Mineral oil C ₁₂ H ₂₆ OS MW : 78.13 CAS : 8042-47-5 Store below 30°C	TC600-100ML TC600-500ML	100ml 500ml
Monosodium glutamate Meets USP 41-NF 36 testing specifications MW : 169.11 Store below 30°C	TC561U-100G TC561U-500G	100gm 500gm
2-Phenoxyethanol Phenoxyethanol, 2-Phenoxyethyl alcohol Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications C ₈ H ₁₀ O ₂ MW : 138.16 CAS : 122-99-6 Store below 30°C	TC549M-500ML	500ml
Povidone, K-value ≤15 Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C ₆ H ₉ NO) _n CAS : 9003-39-8 Store below 30°C	TC601M-10G TC601M-50G TC601M-100G TC601M-500G	10gm 50gm 100gm 500gm
Povidone, K-value > 15 Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C ₆ H ₉ NO) _n CAS : 9003-39-8 Store below 30°C	TC562M-10G TC562M-50G TC562M-100G TC562M-500G	10gm 50gm 100gm 500gm
Potassium Alum dodecahydrate (See: Aluminium potassium sulphate, dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KAl(SO ₄) ₂ ·12H ₂ O MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G TC552M-1KG	500gm 1kg

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Product	Code	Packing
Polysorbate 80 (See: Tween® 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML TC543M-500ML	100ml 500ml
β-Propiolactone C ₃ H ₄ O ₂ MW : 72.06 CAS : 57-57-8 Assay : ≥97% Store at -20°C	TC223-100ML	100ml
Protamine sulphate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications MW : 372.42 CAS : 9009-65-8 Store below 30°C	TC563M-10G TC563M-50G	10gm 50gm
Span® 80, Vaccine grade C ₂ H ₄₄ O ₆ MW : 428.6 CAS : 1338-43-8 Store below 30°C	TC599-100ML TC599-500ML	100ml 500ml
Span® 80 New Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specification C ₂₄ H ₄₀ O ₆ MW : 428.60 CAS : 1338-43-8 Store below 30°C	TC599M-100ML TC599M-500ML TC599M-1L	100ml 500ml 1lt
Tween®80 (See: Polysorbate 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML TC543M-500ML	100ml 500ml

Vitamins

L-Ascorbic acid (Vitamin C) Cell Culture Tested C ₆ H ₈ O ₆ MW : 176.12 CAS : 50-81-7 Assay : ≥99% Store below 30°C	TC094-25G TC094-100G TC094-500G	25gm 100gm 500gm
L-Ascorbic acid sodium salt (Vitamin C sodium salt) Cell Culture Tested C ₆ H ₇ NaO ₆ MW : 198.11 CAS : 134-03-2 Assay : ≥99% Store below 30°C	TC095-100G TC095-500G	100gm 500gm
D-Biotin (Vitamin B7, Vitamin H) Cell Culture Tested C ₁₀ H ₁₆ N ₂ O ₃ S MW : 244.31 CAS : 58-85-5 Assay : ≥99% Store at 2 - 8°C	TC096-1G TC096-5G TC096-25G	1gm 5gm 25gm

Product	Code	Packing
Cholecalciferol (Vitamin D3) Cell Culture Tested C ₂₇ H ₄₄ O MW : 384.64 CAS : 67-97-0 Assay : ≥97% Store at 2 - 8°C	TC029-1G TC029-10G TC029-25G	1gm 10gm 25gm
Choline chloride Cell Culture Tested C ₂ H ₁₄ ClNO MW : 139.62 CAS : 67-48-1 Assay : ≥99% Store below 30°C	TC102-100G TC102-500G TC102-1KG	100gm 500gm 1kg
Folic acid (Vitamin M; Vitamin B9) Cell Culture Tested C ₁₉ H ₁₉ N ₇ O ₆ MW : 441.4 CAS : 59-30-3 Assay : ≥95% Store at 2 - 8°C	TC123-5G TC123-25G	5gm 25gm
Menadione sodium bisulfite (Vitamin K3, W.S.) Cell Culture Tested C ₁₁ H ₉ NaO ₃ S MW : 276.24 CAS : 130-37-0 Assay : ≥95% Store at 2 - 8°C	TC151-25G TC151-100G	25gm 100gm
Niacinamide Nicotinamide Cell Culture Tested C ₆ H ₆ N ₂ O MW : 122.12 CAS : 98-92-0 Assay : ≥98.5% Store below 30°C	TC154-100G TC154-500G	100gm 500gm
Nicotinic acid (Vitamin B3, Niacin) Cell Culture Tested C ₆ H ₅ NO ₂ MW : 123.11 CAS : 59-67-6 Assay : ≥99% Store below 30°C	TC157-100G TC157-500G	100gm 500gm
D-Pantothenic acid hemicalcium salt Cell Culture Tested C ₉ H ₁₆ O ₅ N ₂ .1/2Ca MW : 238.27 CAS : 137-08-6 Assay : ≥98% Store at 2 - 8°C	TC159-25G TC159-100G TC159-500G	25gm 100gm 500gm
Pyridoxal hydrochloride Cell Culture Tested C ₈ H ₉ NO ₃ .HCl MW : 203.62 CAS : 65-22-5 Assay : ≥99% Store at 2 - 8°C	TC164-5G TC164-25G	5gm 25gm
Pyridoxamine dihydrochloride Cell Culture Tested C ₈ H ₁₂ N ₂ O ₂ .2HCl MW : 241.11 CAS : 524-36-7 Assay : ≥98% Store at 2 - 8°C	TC165-1G TC165-5G TC165-25G	1gm 5gm 25gm

Product	Code	Packing
Pyridoxine hydrochloride (Vitamin B6 hydrochloride) Cell Culture Tested $C_8H_{11}NO_3 \cdot HCl$ MW : 205.64 CAS : 58-56-0 Assay : $\geq 99\%$ Store at 2 - 8°C	TC039-10G	10gm
	TC039-25G	25gm
	TC039-100G	100gm
Retinol acetate (Vitamin A acetate powder; Retinyl acetate) Cell Culture Tested $C_{27}H_{32}O_2$ MW : 328.49 CAS : 127-47-9 Potency : ≥ 475000 IU/g Store at 2 - 8°C	TC153-1G	1gm
	TC153-5G	5gm
	TC153-25G	25gm
(-)-Riboflavin (Vitamin G; Vitamin B2) Cell Culture Tested $C_{17}H_{20}N_4O_6$ MW : 376.36 CAS : 83-88-5 Assay : $\geq 98\%$ Store below 30°C	TC167-25G	25gm
	TC167-100G	100gm

Product	Code	Packing
Thiamine hydrochloride (Vitamin B1 hydrochloride) Cell Culture Tested $C_{12}H_{17}ClN_4OS \cdot HCl$ MW : 337.27 CAS : 67-03-8 Assay : $\geq 99\%$ Store at 2 - 8°C	TC173-25G	25gm
	TC173-100G	100gm
	TC173-500G	500gm
DL-α-Tocopherol acetate (Vitamin E acetate) Cell Culture Tested $C_{31}H_{52}O_3$ MW : 472.74 CAS : 7695-91-2 Assay : $\geq 96\%$ Store at 2 - 8°C	TC376-5G	5gm
	TC376-25G	25gm
	TC376-100G	100gm
Vitamin B₁₂ (Cyanocobalmin) Cell Culture Tested $C_{63}H_{86}CoN_{14}O_{14}P$ MW : 1355.37 CAS : 68-19-9 Assay : $\geq 96\%$ Store at 2 - 8°C	TC183-100MG	100mg
	TC183-250MG	250mg
	TC183-1G	1gm
	TC183-5G	5gm

For Cytokines and Growth Factors please refer Page 446 - 451

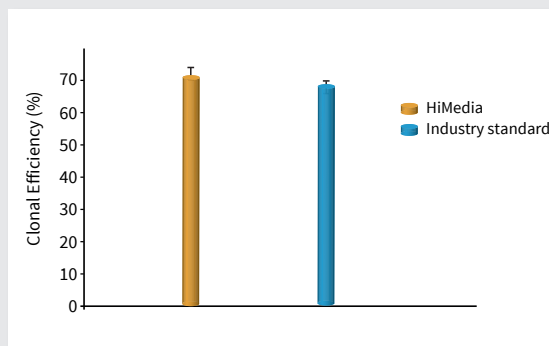
For Stains and Indicators please refer Page 460 - 464

Mesenchymal Stem Cell Tested Sera

- Suitable for culturing Mesenchymal Stem Cells
- Eliminates need to test multiple serum lots
- Save time and money
- Avoids unwanted differentiation of stem cells
- Extensively prescreened for...

Clonal efficiency

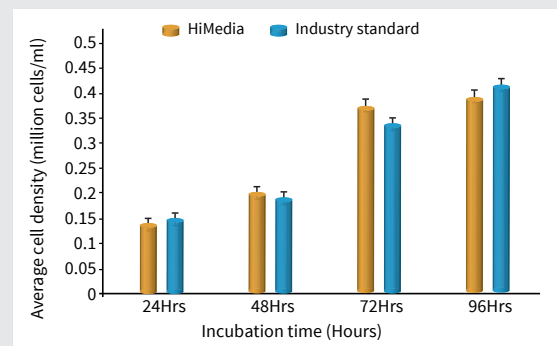
Ability to form colonies in culture



Comparative performance of MSC tested FBS on clonal efficiency of mesenchymal stem cells

Expansion

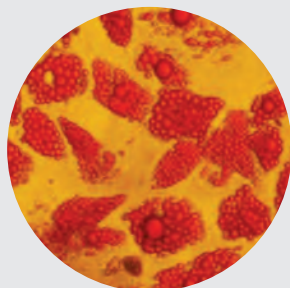
Ability to proliferate and generate high cell densities without getting differentiated



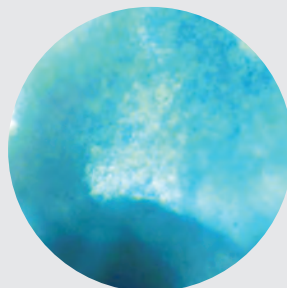
Comparative performance of MSC tested FBS on expansion of Adipose derived MSC's

Differentiation potential

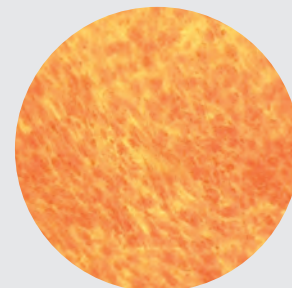
Ability to support adipogenic, osteogenic and chondrogenic differentiation under appropriate culture conditions



Adipogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Chondrogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Osteogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)

ACC



HiMedia leverages its vast experience and knowhow to deliver equipments and consumables that make laboratory procedures in animal cell culture more efficient, productive and reliable.

CELL CULTURE SYSTEMS

Product	Prefix	Page
TPP Labwares		502-505
Sterile Culture Vessels		
Tissue culture flasks	TCG/TCS/ TCP	506-507
HiFactory™	TCP	507
Tissue culture roller bottle	TCS/TCG	507-508
Tissue culture multiwell plates	TPG/TPP/ TPC	508-509
Tissue culture dishes	TCP	509
Cell culture scaffold	TCP	510
Bioreactor tubes	TCP	510
IVF culture dish	TCP	511
Insect breeding dishes	TCP	511
Confocal dish	TCP	511
Tray plate	TCP	511
Cryogenic Storage		
Cryovials	TCP	512
Freezing tubes	TCP	512
Liquid Handling		
Disposable serological pipettes (Individually packed)	PW	513
Disposable serological pipettes (Bulk packed)	TCP	513-514
Disposable serological mini pipettes	TCP	514

Product	Prefix	Page
Auto HiPette™	LA	514
Flip-cap centrifuge tubes	TCP	515
225 ml conical centrifuge tubes	TCP	515
Solution Storage		
Sterile polycarbonate bottles	TCP	516
Sterile solution bottles	TCP	516
Sterile PET bottles	TCP	517
Miscellaneous		
Sterile cell scraper	TCP	518
Coverslips	TCP	518
Sterile cell strainer	TCP	518
Sterile cell culture inserts	TCP	519-521
Microtube rack	TCP	521
HiQ™ Series of Premium Grade Labware		
Tissue culture flasks	TCP	522
Tissue culture dishes	TCP	522-523
Multi-well plates	TCP	523
Erlenmeyer flasks	TCP	523-524
Cryovials	TCP	524-525
Centrifuge tubes	TCP	525
Cell scrapers and lifter	TCP	525
Cell culture inserts	TCP	526
Cell strainers	TCP	526



Tissue culture and laboratory plastic made in Switzerland



HiMedia is now an Authorized Distributor of TPP Labware
High quality plasticware manufactured as per ISO9001:2015 norms

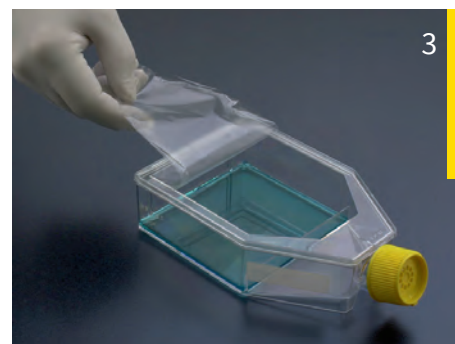
- Culture vessels
- Culture vessels for special applications
- Liquid handling
- 3-B Products (triple bagged products)
- Cryogenic storage
- Filtration
- Miscellaneous



1



2



3

Culture vessels

- 1 Tissue Culture Flasks – Standard
- 2 Tissue Culture Flask with Re-Closable Lid
- 3 Tissue Culture Flask with Peel-Off Foil
- 4 Tissue Culture Test Plates
- 5 Tissue Culture Dishes



4

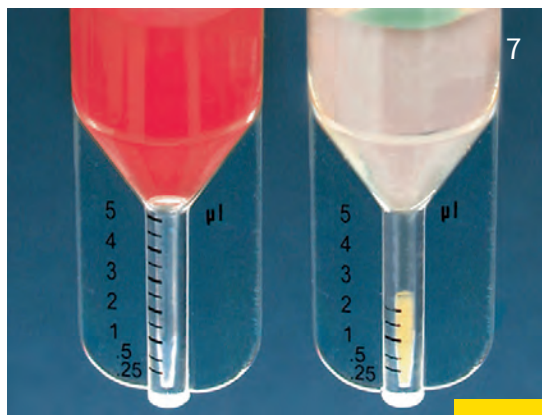
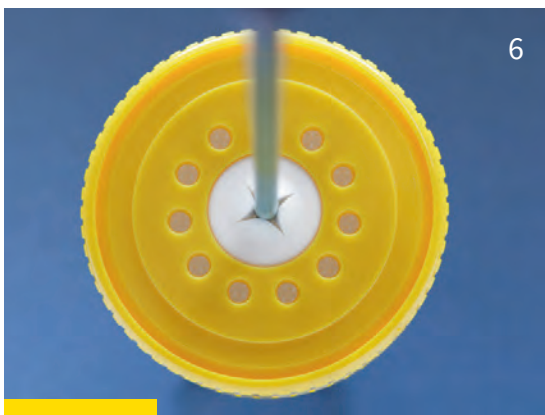


5

ACC

Culture vessels for special applications

- 1 Clipmax
- 2 Tissue Culture Flat Tube 10
- 3 Tissue Culture Tube 20
- 4 TubeSpin Bioreactor
- 5 TubeSpin Bioreactor – Racks
- 6 TubeSpin Bioreactor with Septum
- 7 PCV Packed Cell Volume Tube





Liquid handling

- 1 Centrifuge Tubes
- 2 Serological Pipettes Standard Version
- 3 Serological Pipettes with Reservoir
- 4 Turbo Fix

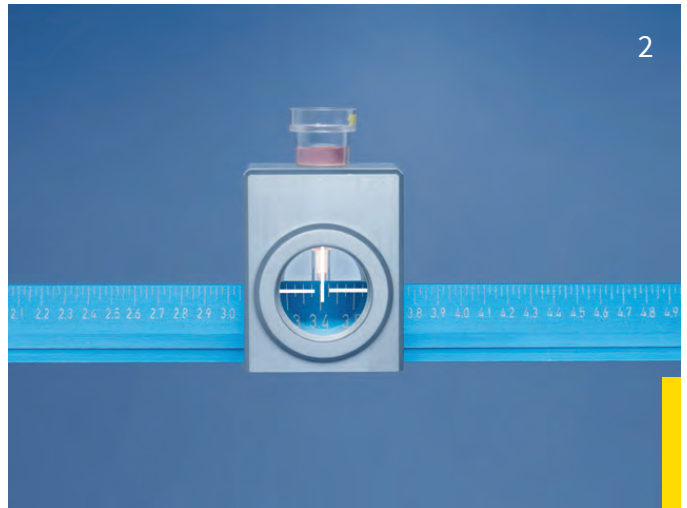
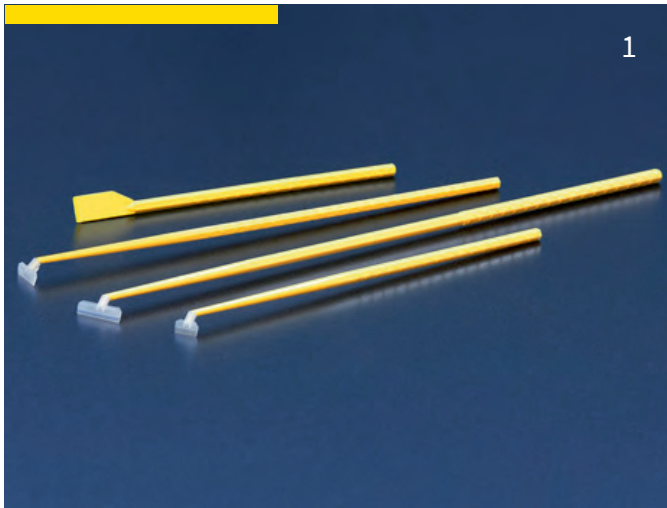


Filtration

- 1 Syringe Filters
- 2 Vacuum Filtration "rapid"-Filtermax

Cryogenic storage Cryo Tubes and Storage



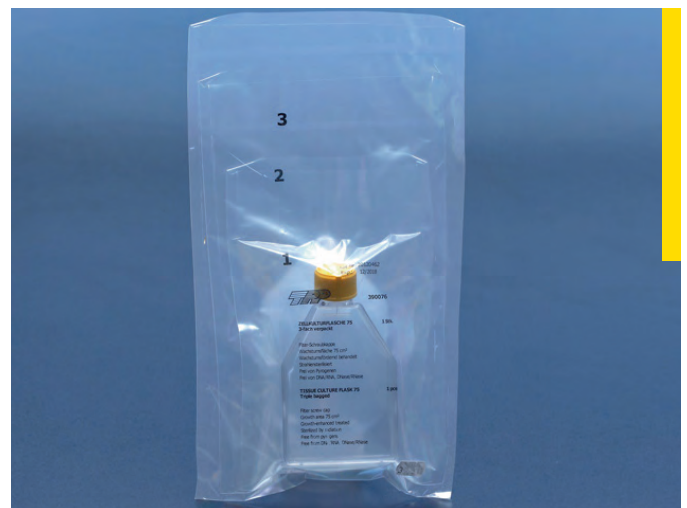


Miscellaneous

- 1** Cell Scraper and Cell Spatula
- 2** “easy read” measuring instrument
- 3** Racks and Boxes for Storage



3-B Products (triple bagged products)



Sterile Culture Vessels

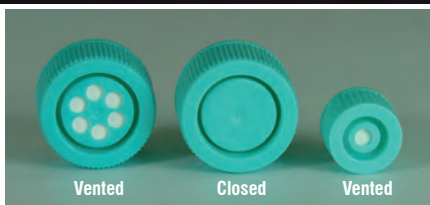
Tissue Culture Flask
Tissue Culture Dishes
Confocal Dish

HiFactory™
Bioreactor Tubes
Tray Plate

Tissue Culture Roller Bottles
Cell Culture Scaffold
Insect Breeding Dishes

Tissue Culture Multiwell Plates
IVF Culture Dish

Sterile Tissue Culture Flasks



- Manufactured from optically clear **virgin polystyrene**
 - Sterilized by gamma irradiation
 - Non-pyrogenic, Non-toxic, DNase-RNase free
 - Available as surface-treated and non-treated flasks for adherent and suspension cells respectively
 - Optically clear and flat polystyrene surface of flasks ensures distortion free viewing of cells
 - Frosted area provided on side of flask for easy labeling
 - Two different cap styles can be used in both open and closed systems
- Closed Cap:** Standard polyethylene caps for use of flasks in closed systems. Can also be used in open systems by keeping one thread loose
- Vented Cap:** Vented polyethylene caps with a 0.22 μm hydrophobic filter to allow gas exchange and minimize risk of cross-contamination

For Suspension Cells Non-treated Flasks

Code	Surface type	Growth area (cm ²)	Cap style	Working volume (ml)
TCS1	Non-treated	12.5	Non vented	3.0 - 5.0
TCS2	Non-treated	12.5	Vented	3.0 - 5.0
TCS3	Non-treated	25	Non vented	5.0 - 7.0
TCS4	Non-treated	25	Vented	5.0 - 7.0
TCS5	Non-treated	75	Non vented	10.0 - 15.0
TCS6	Non-treated	75	Vented	10.0 - 15.0
TCS7	Non-treated	182	Non vented	30.0 - 35.0
TCS8	Non-treated	182	Vented	30.0 - 35.0

Product

Code

Packing

Tissue Culture Flask
Close cap, 25 ml volume,
surface 12.5 cm²

TCS1-4x10NO
TCS1-10x10NO
TCS1-20x10NO

4x10 no
10x10 no
20x10 no

Product

Code

Packing

Tissue Culture Flask
Vented cap, 25 ml volume,
surface 12.5 cm²

TCS2-4x10NO
TCS2-10x10NO
TCS2-20x10NO

4x10 no
10x10 no
20x10 no

Tissue Culture Flask
Close cap, 50 ml volume,
surface 25.0 cm²

TCS3-4x10NO
TCS3-10x10NO
TCS3-20x10NO

4x10 no
10x10 no
20x10 no

Tissue Culture Flask
Vented cap, 50 ml volume,
surface 25.0 cm²

TCS4-4x10NO
TCS4-10x10NO
TCS4-20x10NO

4x10 no
10x10 no
20x10 no

Tissue Culture Flask
Close cap, 250 ml volume,
surface 75.0 cm²

TCS5-5x5NO
TCS5-10x5NO
TCS5-20x5NO

5x5 no
10x5 no
20x5 no

Tissue Culture Flask
Vented cap, 250 ml volume,
surface 75.0 cm²

TCS6-5x5NO
TCS6-10x5NO
TCS6-20x5NO

5x5 no
10x5 no
20x5 no

Tissue Culture Flask
Close cap, 600 ml volume,
surface 182.0 cm²

TCS7-4x5NO
TCS7-8x5NO

4x5 no
8x5 no

Tissue Culture Flask
Vented cap, 600 ml volume,
surface 182.0 cm²

TCS8-4x5NO
TCS8-8x5NO

4x5 no
8x5 no

For Adherent Cells Surface treated Flasks

Code	Surface type	Growth area (cm ²)	Cap style	Working volume (ml)
TCG1	Treated	12.5	Non vented	3.0 - 5.0
TCG2	Treated	12.5	Vented	3.0 - 5.0
TCG3	Treated	25	Non vented	5.0 - 7.0
TCG4	Treated	25	Vented	5.0 - 7.0
TCG5	Treated	75	Non vented	10.0 - 15.0
TCG6	Treated	75	Vented	10.0 - 15.0
TCG7	Treated	182	Non vented	30.0 - 35.0
TCG8	Treated	182	Vented	30.0 - 35.0
TCP218	Treated	300	Non vented	80 - 120
TCP220	Treated	300	Vented	80 - 120
TCP221	Treated	225	Vented	50 - 70

Tissue Culture Flask
Close cap, 25 ml volume,
surface 12.5 cm²

TCG1-4x10NO
TCG1-10x10NO
TCG1-20x10NO

4x10 no
10x10 no
20x10 no

Tissue Culture Flask
Vented cap, 25 ml volume,
surface 12.5 cm²

TCG2-4x10NO
TCG2-10x10NO
TCG2-20x10NO

4x10 no
10x10 no
20x10 no

Tissue Culture Flask
Close cap, 50 ml volume,
surface 25.0 cm²

TCG3-4x10NO
TCG3-10x10NO
TCG3-20x10NO

4x10 no
10x10 no
20x10 no

Tissue Culture Flask
Vented cap, 50 ml volume,
surface 25.0 cm²

TCG4-4x10NO
TCG4-10x10NO
TCG4-20x10NO

4x10 no
10x10 no
20x10 no

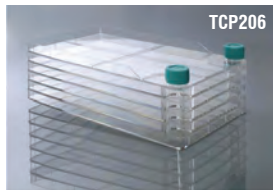
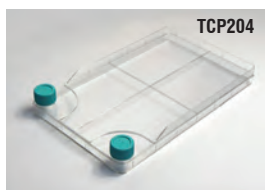
Product	Code	Packing
Tissue Culture Flask Close cap, 250 ml volume, surface 75.0 cm ²	TCG5-5x5NO TCG5-10x5NO TCG5-20x5NO	5x5 no 10x5 no 20x5 no
Tissue Culture Flask Vented cap, 250 ml volume, surface 75.0 cm ²	TCG6-5x5NO TCG6-10x5NO TCG6-20x5NO	5x5 no 10x5 no 20x5 no
Tissue Culture Flask Close cap, 600 ml volume, surface 182.0 cm ²	TCG7-4x5NO TCG7-8x5NO	4x5 no 8x5 no
Tissue Culture Flask Vented cap, 600 ml volume, surface 182.0 cm ²	TCG8-4x5NO TCG8-8x5NO	4x5 no 8x5 no
Tissue Culture Flask Closed cap, 850ml volume, Surface 300cm ²	TCP218-3x3NO TCP218-6x3NO	3x3 no 6x3 no
Tissue Culture Flask Vented cap, 850ml volume, Surface 300cm ²	TCP220-3x3NO TCP220-6x3NO	3x3 no 6x3 no
Tissue Culture Flask Vented cap, 630ml volume, Surface 225 cm ²	TCP221-2x5NO TCP221-5x5NO	2x5 no 5x5 no

Product	Code	Packing			
Code	No. of chambers	Surface type	Cap style	Total culture area (cm²)	Recommended volume (ml)
TCP204	1	Treated	Vented	647	200
TCP205	2	Treated	Vented	1279	400
TCP206	5	Treated	Vented	3175	1000
TCP207	10	Treated	Vented	6335	2000

HiFactory™, 1 chamber Total culture area 647 cm ²	TCP204-4x1wNO TCP204-8x1NO	4x1 no 8x1 no
HiFactory™, 2 chamber Total culture area 1279 cm ²	TCP205-4x1NO TCP205-8x1NO	4x1 no 8x1 no
HiFactory™, 5 chamber Total culture area 3175 cm ²	TCP206-2x1NO TCP206-4x1NO	2x1 no 4x1 no
HiFactory™, 10 chamber Total culture area 6335 cm ²	TCP207-2x1NO TCP207-4x1NO	2x1 no 4x1 no

Sterile Tissue Culture Roller Bottle

HiFactory™



Roller bottles are large culture vessels used in research and manufacturing where large yield of cell growth and multiplication is required.

Packaging information

- Individually packed in easy-to-open bag to assure sterility.
- Every pack is properly labeled with lot number for quality traceability.

General information

- Available as surface-treated for adherent and non-treated for suspension cells with volume capacity 2000ml.
- Available cell growth area for adherent cells is 750cm², 850cm² & 1900cm².
- Specially designed large knurls on the cap for easy grip.
- Two different cap styles available for both open and closed culture systems.
- Smooth and striation free bottle surface to get maximum usable area for growth. Silk-printed graduation on bottle.
- Suitable for all the common instruments and automation.
- Sterilized by gamma irradiation.
- Non-autoclavable & Non-pyrogenic.

HiFactory™ systems are compact, multi-layered single use systems for easy scale up of cell culture. These systems are mostly used in commercial production of vaccines & monoclonal antibodies.

- Made up of **high clarity polystyrene**
- Sterilized by electron beam (E-beam sterilization)
- Thin wall design to reduce edge effect
- Surface treated with vacuum plasma for better cell attachment
- Reduced risk of contamination
- Available in 4 chamber sizes - 1, 2, 5 and 10
- Wide mouth with non-reversible lids to prevent cross-contamination
- Culture area of bottom layer : 647cm²
- Culture area of upper layers : 632cm² per layer
- Height of each layer : 14.5mm
- Non-pyrogenic

Product

Code

Packing

For Suspension Cells Non-treated roller bottles

Code	Surface area(cm ²)	Surface-type	Working volume(ml)	Cap style	Sterile
TCS9	750	Non-treated	250	Close cap	Yes
TCS10	750	Non-treated	250	Vented cap	Yes

Tissue Culture Roller Bottle

Surface area: 750cm²,
Total volume : 2000ml

TCS9-4x1NO
TCS9-12x1NO

4x1 no
12x1 no

Tissue Culture Roller Bottle

Surface area: 750cm²,
Total volume : 2000ml

TCS10-4x1NO
TCS10-12x1NO

4x1 no
12x1 no

For Adherent Cells Surface treated roller bottles

Code	Surface area(cm ²)	Surface-type	Working volume(ml)	Cap style	Sterile
TCG9	750	Surface-treated	250	Close cap	Yes
TCG10	750	Surface-treated	250	Vented cap	Yes
TCG15	850	Surface-treated	170-250	Close cap	Yes
TCG16	1900	Surface-treated	380-570	Close cap	Yes
TCG17	850	Surface-treated	170-250	Vented cap	Yes

Tissue Culture Roller Bottle

Surface area: 750cm²,
Total volume : 2000ml

TCG9-4x1NO
TCG9-12x1NO

4x1 no
12x1 no

Tissue Culture Roller Bottle

Surface area: 750cm²,
Total volume : 2000ml

TCG10-4x1NO
TCG10-12x1NO

4x1 no
12x1 no

Tissue Culture Roller Bottle

Surface area: 850cm²,
Total volume : 2000ml

TCG15-4x1NO
TCG15-12x1NO

4x1 no
12x1 no

Tissue Culture Roller Bottle

Surface area: 850cm²,
Total volume : 2000ml

New **TCG17-4x1NO**
TCG17-12x1NO

4x1 no
12x1 no

Tissue Culture Roller Bottle, Expanded Surface

Surface area: 1900cm²,
Total volume : 2000ml

TCG16-4x1NO
TCG16-12x1NO

4x1 no
12x1 no

Product

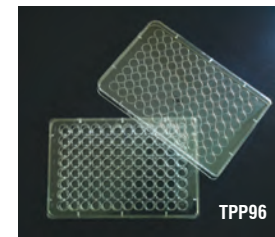
Code

Packing

Sterile Tissue Culture Multiwell Plates



TPP6



TPP96

General information

- Made up of ultra clear 100% virgin polystyrene
- Sterilized by gamma irradiation
- Non-pyrogenic, non-toxic, DNase-RNase free
- Available as surface-treated for adherent and non-treated for suspension cells
- Striation free and flat well bottom to get maximum usable growth area and transparency
- Individual alphanumeric codes for well identification
- Non-reversible lids with condensation rings to prevent contamination
- Suitable for all common instruments and automation

For Suspension Cells Non-treated Plates

Code	No. of wells	Surface type	Surface area (cm ²)	Total well volume (ml)	Working volume/ well (ml)	Packaging
TPG6	6	Non-treated	9.5	17	3	Plastic/paper bag
TPG12	12	Non-treated	3.9	6.8	2	Plastic/paper bag
TPG24	24	Non-treated	1.9	3.5	1	Plastic/paper bag
TPG48	48	Non-treated	0.7	1.55	0.5	Plastic/paper bag
TPG96	96	Non-treated	0.3	0.39	0.2	Plastic/paper bag

Tissue Culture Plates

6 well, 9.5 cm² surface,
Packed in plastic / paper bag.

TPG6-1x10NO
TPG6-1x50NO
TPG6-1x100NO
TPG6-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates

12 well, 3.9 cm² surface,
Packed in plastic / paper bag.

TPG12-1x10NO
TPG12-1x50NO
TPG12-1x100NO
TPG12-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates

24 well, 1.9 cm² surface,
Packed in plastic / paper bag.

TPG24-1x10NO
TPG24-1x50NO
TPG24-1x100NO
TPG24-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates

48 well, 0.7 cm² surface,
Packed in plastic / paper bag.

TPG48-1x10NO
TPG48-1x50NO
TPG48-1x100NO
TPG48-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates

96 well, 0.3 cm² surface,
Packed in plastic / paper bag.

TPG96-1x10NO
TPG96-1x50NO
TPG96-1x100NO
TPG96-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Product

Code

Packing

For Adherent Cells Surface-treated Plates

Code	No. of wells	Surface type	Surface area (cm ²)	Total well volume (ml)	Working volume/well (ml)	Packaging
TPP6	6	Treated	9.5	17	3	Plastic/paper bag
TPP12	12	Treated	3.9	6.8	2	Plastic/paper bag
TPP24	24	Treated	1.9	3.5	1	Plastic/paper bag
TPP48	48	Treated	0.7	1.55	0.5	Plastic/paper bag
TPP96	96	Treated	0.3	0.39	0.2	Plastic/paper bag
TPC12	12	Treated	3.9	6.8	2	Plastic cassette

Tissue Culture Plates
6 well, 9.5 cm² surface,
Packed in plastic / paper bag.

TPP6-1x10NO
TPP6-1x50NO
TPP6-1x100NO
TPP6-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates
12 well, 3.9 cm² surface,
Packed in plastic / paper bag.

TPP12-1x10NO
TPP12-1x50NO
TPP12-1x100NO
TPP12-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates
24 well, 1.9 cm² surface,
Packed in plastic / paper bag.

TPP24-1x10NO
TPP24-1x50NO
TPP24-1x100NO
TPP24-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates
48 well, 0.7 cm² surface,
Packed in plastic / paper bag.

TPP48-1x10NO
TPP48-1x50NO
TPP48-1x100NO
TPP48-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

Tissue Culture Plates
96 well, 0.3 cm² surface,
Packed in plastic / paper bag.

TPP96-1x10NO
TPP96-1x50NO
TPP96-1x100NO
TPP96-1x200NO

1x10 no
1x50 no
1x100 no
1x200 no

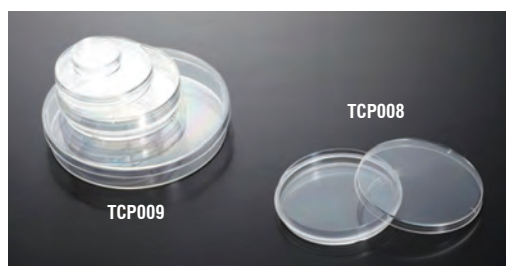
Tissue Culture Plates
12 well, 3.9 cm² surface,
Packed in plastic cassette.



TPC12-1x10NO
TPC12-1x100NO

1x10 no
1x100 no

Sterile Tissue Culture Dishes



- Manufactured from optically clear **virgin polystyrene**
- Sterilized by gamma irradiation
- Non-pyrogenic, non-toxic, DNase-RNase free
- Optically clear for microscopy
- Smooth and striation free dish surface helps to maximize the usable area for growth

Product

Code

Packing

For Adherent Cells Surface treated Dishes

Code	Surface type	Dimensions (mm)	Working well volume (ml)	Surface area (cm ²)
TCP006	Treated	35x10	3	9.4
TCP007	Treated	60x15	5	21.5
TCP008	Treated	90x20	12.5	60.8
TCP009	Treated	150x20	35	148

Cell Culture Dish
35x10mm, working volume 3ml
Growth area 9.4cm²

TCP006-20x10NO
TCP006-50x10NO

20x10 no
50x10 no

Cell Culture Dish
60x15mm, working volume 5ml
Growth area 21.5cm²

TCP007-20x10NO
TCP007-50x10NO

20x10 no
50x10 no

Cell Culture Dish
90x20mm, working volume 12.5ml
Growth area 60.8cm²

TCP008-10x10NO
TCP008-20x10NO

10x10 no
20x10 no

Cell Culture Dish
150x20mm, working volume 35ml
Growth area 148.0cm²

TCP009-6x10NO
TCP009-12x10NO

6x10 no
12x10 no

For Suspension Cells Non-treated Dishes

Code	Surface type	Dimensions (mm)	Working well volume (ml)	Surface area (cm ²)
TCP010	Non-Treated	35x10	3	9.4
TCP011	Non-Treated	60x15	5	21.5
TCP027	Non-Treated	90x15	12.5	57.5
TCP012	Non-Treated	150x20	35	148

Cell Culture Dish
35x10mm, working volume 3ml
Growth area 9.4cm²

TCP010-20x10NO
TCP010-50x10NO

20x10 no
50x10 no

Cell Culture Dish
60x15mm, working volume 5ml
Growth area 21.5cm²

TCP011-20x10NO
TCP011-50x10NO

20x10 no
50x10 no

Cell Culture Dish
90x15mm, working volume 12.5ml
Growth area 57.5cm²

TCP027-20x10NO
TCP027-50x10NO

20x10 no
50x10 no

Cell Culture Dish
150x20mm, working volume 35ml
Growth area 148.0cm²

TCP012-6x10NO
TCP012-12x10NO

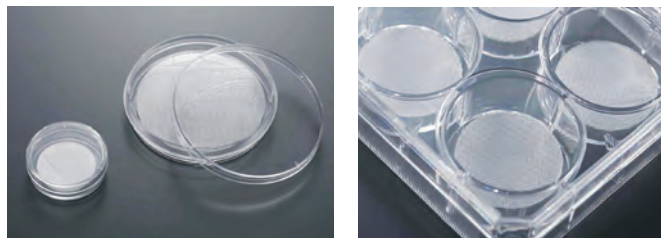
6x10 no
12x10 no

Product

Code

Packing

Cell Culture Scaffold



- 3D scaffold for cell culture enables to simulate the three-dimensional structure of the cells in a laboratory. It provides an ideal environment for the interaction between cells and greatly improves the culture area the cell yield.
- Made of **polystyrene (GPPS)**, a high molecular material, with highly hydrophilic surface for adherent culture
- Pores with high connectivity, facilitating nutrient absorption and metabolism
- Scaffolds available in two culture vessels - Dishes and Multi-well plates
- Sterilized by gamma irradiation
- Non-pyrogenic
- DNase/RNase-free

Code	Dimension of Scaffold	Diameter of fibre (µm)	Aperture (µm)	Surface area (cm ²)
TCP235	32x1.6 mm	500	260	43
TCP236	51x1.6 mm	500	260	109
TCP237	33.5x1.6 mm	500	260	144
TCP238	21x1.6 mm	500	260	114
TCP239	15x1.6 mm	500	260	120

Cell Culture Scaffold, 35mm Dish	TCP235-40x1NO	40x1 no
Cell Culture Scaffold, 60mm Dish	TCP236-30x1NO	30x1 no
Cell Culture Scaffold, 6 well Plate	TCP237-8x1NO	8x1 no
Cell Culture Scaffold, 12 well Plate	TCP238-8x1NO	8x1 no
Cell Culture Scaffold, 24 well Plate	TCP239-8x1NO	8x1 no

Product

Code

Packing

Sterile Bioreactor Tubes

New



- A convenient and economical option for small scale suspension cultures and centrifuge in one tube
- Manufactured from high quality **polypropylene**
- Caps with ultrasonically welded 0.22micron hydrophobic membrane to allow gas exchange
- Frosted area for writing
- Graduations on tube
- Leak proof
- Sterilized by gamma irradiation
- Non-pyrogenic

Code	Volume	Packing	Self standing	Maximum RCF (x g)	Graduation range	Graduation interval	Cap style
TCP227	15	Re-sealable bag	No	12000	1.5 - 14.5ml	0.5ml	Vented
TCP228	15	Rack	No	12000	5.0 - 50.0ml	2.5ml	Vented
TCP229	50	Re-sealable bag	No	16000	1.5 - 14.5ml	0.5ml	Vented
TCP230	50	Rack	No	16000	5.0 - 50.0ml	2.5ml	Vented

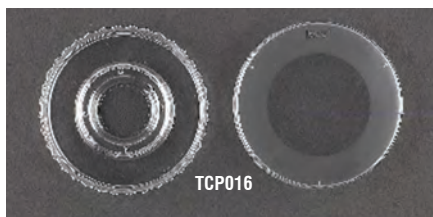
Bioreactor Tubes, 15ml New	TCP227-10x10NO	10x10 no
MOC: Polypropylene, Packed in Re-sealable bag		
Bioreactor Tubes, 15ml New	TCP228-6x50NO	6x50 no
MOC: Polypropylene Packed in Rack		
Bioreactor Tubes, 50ml New	TCP229-10x10NO	10x10 no
MOC: Polypropylene Packed in Re-sealable bag		
Bioreactor Tubes, 50ml New	TCP230-12x25NO	12x25 no
MOC: Polypropylene Packed in Rack		

Product

Code

Packing

Sterile IVF Culture Dish



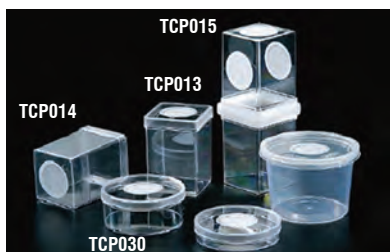
IVF culture dishes are used for *in vitro* fertilization.

- Made of **optical grade polystyrene** for clear microscopic observation
- Sterilized by gamma irradiation
- Non-pyrogenic, Non-toxic, DNase/RNase free
- Easy grip for secure handling
- Embryo-tested

Code	External Dimension (mm)	Centre Well (mm)	Surface type
TCP016	60x15mm	20mm	Treated

IVF Culture Dish	TCP016-20x10NO	20x10 no
60x15mm, Centre well 20mm		

Insect Breeding Dishes



Insect Breeding Dishes are used for breeding and observation of micro insects.

- Made of **polystyrene**
- Available in two forms - square and circular
- Mesh on cap for ventilation and prevention of escape of insects
- Ventilation hole on the cover enables excellent air circulation and easy humidity control

Code	Type	Dimension (mm)	Hole position	Ventilation hole size	Mesh pore
TCP013	Square	72x72x100	Lid	40mm	0.053µm
TCP014	Square	72x72x100	bottom	40mm	0.053µm
TCP015	Square	72x72x100	3 sides	40mm	0.053µm
TCP030	Circular	90x40	Cap	40mm	0.053µm

Insect Breeding Dish, Square	TCP013-5x4NO	5x4 no
	TCP013-30x4NO	30x4 no
Insect Breeding Dish, Square	TCP014-5x4NO	5x4 no
	TCP014-30x4NO	30x4 no
Insect Breeding Dish, Square	TCP015-5x4NO	5x4 no
	TCP015-30x4NO	30x4 no
Insect Breeding Dish, Circular	TCP030-20x10NO	20x10 no

Product

Code

Packing

Sterile Confocal Dish



- Suitable tool for fluorescent, confocal and phase-contrast microscopy experiments and live cell examinations
- **Polystyrene** dish with borosilicate glass bottom
- Available with 2 different glass bottom sizes of 15mm and 20mm
Glass thickness: 0.12-0.16mm
- Smooth and striation free dish surface
- Sterilized by gamma irradiation
- Non-pyrogenic

Confocal Dish, Glass bottom	TCP232-5x10NO	5x10 no
Bottom diameter: 20mm	TCP232-10x10NO	10x10 no
Surface Type: Treated		
Confocal Dish, Glass bottom	TCP234-5x10NO	5x10 no
Bottom diameter: 20mm	TCP234-10x10NO	10x10 no
Surface Type: Non- treated		

Tray Plate



Tray plate is designed to provide a larger surface area for cell culture. The square feature of the tray ensures easy handling for some applications compared to round type dishes.

- Made up of **polystyrene**
- Sterilized by gamma irradiation
- Surface treated
- Optically clear and flat surface for use in microscopy

Code	External Dimension (mm)	Internal Dimension (mm)	Growth Area (cm ²)	Surface Type
TCP066	127.6 x 85.6 x 16.2	109.5 x 73.5 x 11.6	80	Treated

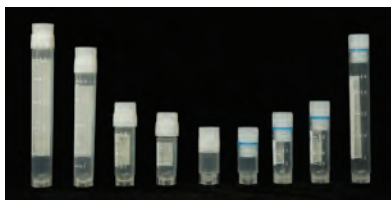
Tray Plate	TCP066-5x1NO	5x1 no
Cell Culture Treated, Growth area: 80 cm ²	TCP066-50x1NO	50x1 no

Cryogenic Storage

Cryovial, Sterile

Freezing Tubes

Cryovials, Sterile



Cryovials are designed for storage of cells, specimens and solutions in liquid nitrogen and ultra low freezers.

- Made up of **polypropylene** (PP) USP grade VI
- Sterilized by electron beam (E-beam sterilization)
- Can withstand temperature up to -196°C
- Available in two types of cap designs - Internally threaded (cap has a silicone ring around) and Externally threaded (cap without silicone ring)
- Self-standing type
- Easy to read graduations
- Frosted area for writing
- Non-pyrogenic
- DNase/RNase free

Code	Material	Threading type	Total Volume	Length(mm)	Diameter(mm)
TCP214	PP	External	0.5ml	32.10	13.91
TCP215	PP	Internal	0.5ml	33.00	12.60
TCP212	PP	External	1.2ml	42.10	13.91
TCP076	PP	External	2.0ml	46.00	13.00
TCP077	PP	Internal	2.0ml	47.00	13.00
TCP216	PP	External	4.0ml	78.88	13.91
TCP217	PP	Internal	4.0ml	78.88	13.91
TCP219	PP	Internal	5.0ml	89.31	12.60

Product

Code

Packing

Cryovials, Externally Threaded Volume : 0.5ml	TCP214-2x50NO	2x50 no
	TCP214-5x50NO	5x50 no
	TCP214-10x50NO	10x50 no
Cryovials, Internally Threaded Volume : 0.5ml	TCP215-2x50NO	2x50 no
	TCP215-5x50NO	5x50 no
	TCP215-10x50NO	10x50 no
Cryovials, Externally Threaded Volume : 1.2ml	TCP212- 2x50NO	2x50 no
	TCP212-5x50NO	5x50 no
	TCP212-10x50NO	10x50 no
Cryovials, Externally Threaded Volume : 2.0ml	TCP076-2x50NO	2x50 no
	TCP076-5x50NO	5x50 no
	TCP076-10x50NO	10x50 no

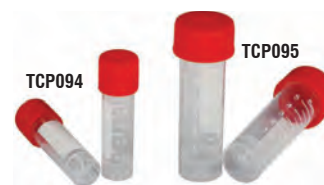
Product

Code

Packing

Cryovials, Internally Threaded Volume : 2.0ml	TCP077-2x50NO	2x50 no
	TCP077-5x50NO	5x50 no
	TCP077-10x50NO	10x50 no
Cryovials, Externally Threaded Volume : 4.0ml	TCP216- 2x50NO	2x50 no
	TCP216-5x50NO	5x50 no
	TCP216-10x50NO	10x50 no
Cryovials, Internally Threaded Volume : 4.0ml	TCP217- 2x50NO	2x50 no
	TCP217-5x50NO	5x50 no
	TCP217-10x50NO	10x50 no
Cryovials, Internally Threaded Volume : 5.0ml	TCP219-2x50NO	2x50 no
	TCP219-5x50NO	5x50 no
	TCP219-10x50NO	10x50 no

Freezing Tubes



- Made from durable **polypropylene** and **polyethylene**
- Sterilized by gamma irradiation
- Available in 4 different volumes - 0.5ml, 1.5ml, 1.8ml and 5.0ml
- Freezable at -80°C
- Not suitable for storage in liquid nitrogen
- Specially designed interlocking cap which fits exactly to ensure sterility
- Easy to read graduations with $\pm 2\%$ accuracy
- Frosted area for writing
- Leak proof
- Non-pyrogenic, non-toxic
- Autoclavable

Freezing Tubes Volume : 0.5ml	TCP092-5x100NO	5x100 no
Freezing Tubes Volume : 1.5ml	TCP093-5x100NO	5x100 no
Freezing Tubes Volume : 1.8ml	TCP094-25x20NO	25x20 no
Freezing Tubes Volume : 5ml	TCP095-25x20NO	25x20 no

Liquid Handling

Disposable Serological Pipettes, Individually Packed
Disposable Serological Pipettes, Bulk Packed
Disposable Serological Mini Pipettes

Auto HiPette™
Flip Cap Centrifuge Tubes, Sterile
225 ml Conical Centrifuge Tubes, Sterile

Disposable Serological Pipettes (Narrow Tip), Individually Packed



Serological Pipettes are ideal for accurate liquid transfer or mixing.

- Made up of **polystyrene**
- Sterilized by gamma irradiation
- Non-pyrogenic, Non-toxic
- 1ml, 2ml and 5ml are stretched while 10ml, 25ml and 50ml are ultrasonically welded at the tip and mouthpiece
- Colour coded ring for easy identification
- Graduations are calibrated for accurate dispensing within $\pm 2\%$
- Bidirectional graduations on the pipette provide added applicability
- Negative graduation allows additional working volume
- All pipettes are supplied with a filter plug
- Leakage tested
- Universal design which makes the pipettes suitable for most brands of pipette aids

Code	Volume	Graduations	Colour code
PW1191	1ml	1/100	Yellow
PW1192	2ml	1/50	Green
PW1193	5ml	1/10	Blue
PW1194	10ml	1/10	Orange
PW1196	25ml	2/10	Red
PW1197	50ml	5/10	Purple

Product	Code	Packing
Disposable Serological Pipettes, 5ml Individually packed in paper plastic bags.	PW1193-100x1NO	100x1 no
Disposable Serological Pipettes, 10ml Individually packed in paper plastic bags.	PW1194-100x1NO	100x1 no
Disposable Serological Pipettes, 25ml Individually packed in paper plastic bags.	PW1196-100x1NO	100x1 no
Disposable Serological Pipettes, 50ml Individually packed in paper plastic bags.	PW1197-100x1NO	100x1 no

Disposable Serological Pipettes, Bulk Packed



Code	Volume	Graduations	Negative Graduations (ml)	Colour code
TCP122	1ml	1/100	0.20	Yellow
TCP123	2ml	1/100	0.20	Green
TCP124	5ml	1/10	2.5	Blue
TCP125	10ml	1/10	3.0	Orange
TCP126	25ml	2/10	10.0	Red

Disposable Serological Pipettes, 1ml Bulk packed in bags	TCP122-1x50NO TCP122-5x50NO TCP122-10x50NO	1x50 no 5x50 no 10x50 no
Disposable Serological Pipettes, 2ml Bulk packed in bags	TCP123-1x50NO TCP123-5x50NO TCP123-10x50NO	1x50 no 5x50 no 10x50 no
Disposable Serological Pipettes, 5ml Bulk packed in bags	TCP124-1x50NO TCP124-5x50NO TCP124-10x50NO	1x50 no 5x50 no 10x50 no

Product

Code

Packing

Disposable Serological Pipettes, 1ml
Individually packed in paper plastic bags.

PW1191-100x1NO

100x1 no

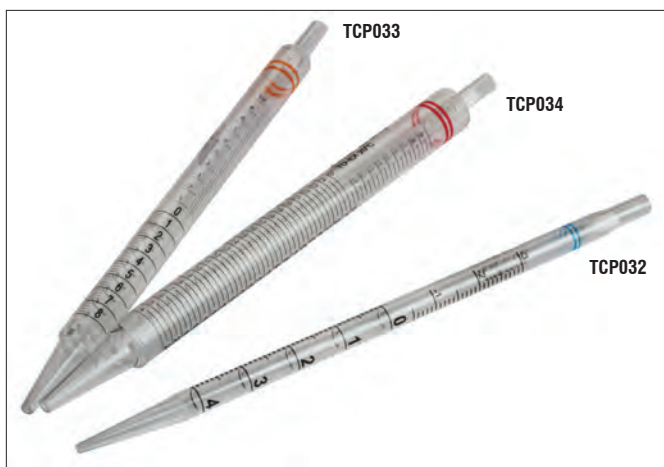
Disposable Serological Pipettes, 2ml
Individually packed in paper plastic bags.

PW1192-100x1NO

100x1 no

Product	Code	Packing
Disposable Serological Pipettes, 10ml Bulk packed in bags	TCP125-1x50NO	1x50 no
	TCP125-5x50NO	5x50 no
	TCP125-10x50NO	10x50 no
Disposable Serological Pipettes, 25ml Bulk packed in bags	TCP126-1x25NO	1x25 no
	TCP126-4x25NO	4x25 no
	TCP126-8x25NO	8x25 no

Disposable Serological Mini Pipettes



Mini pipettes are specially designed for liquid handling operations in limited working space.

- Significantly shorter than the normal pipette
- 9.2 inches long
- Available in three volume capacities - 5ml, 10ml, 25ml
- Colour coded ring for easy identification
- Non-pyrogenic, non-toxic

Code	Volume	Graduations	Colour code
TCP032	5ml	1/10	Yellow
TCP033	10ml	2/10	Green
TCP034	25ml	5/10	Blue

Disposable Serological Mini Pipettes, 5ml Individually packed in paper plastic bags.	TCP032-200x1NO	200x1 no
Disposable Serological Mini Pipettes, 10ml Individually packed in paper plastic bags.	TCP033-150x1NO	150x1 no
Disposable Serological Mini Pipettes, 25ml Individually packed in paper plastic bags.	TCP034-100x1NO	100x1 no

Auto HiPette™



AutoHiPette™ provides a convenient aid for dispensing liquid from glass and serological pipettes.

- Has a safety valve and hydrophobic filters that provide protection against fluid penetration
- Three different speed modes- High, Low and Gravity Drain
- Provide better control of speed (convenience of fine-tuning pump speed)
- Cadmium-free environment-friendly NiMH batteries (extended operational life)
- Ease of changing batteries
- Has a low battery indicator

Product	Code	Packing
Auto HiPette™	LA692-1NO	1 no
Auto HiPette™ Battery	LA692A-2NO	2 no
Accessory for Auto HiPette™ Contains one 0.2 µm and one 0.45 µm PTFE membrane filter.	LA692B-1PK	1 pk

Centrifuge Tubes

Flip Cap Centrifuge Tubes, Sterile

For one handed operation



- Made from high grade gamma resistant **polypropylene**
- Sterilized by gamma irradiation
- Available in two volumes - 15ml & 50ml
- Conical bottom tube with one hand easy flip-to-open cap
- Black printed graduations and white frosted area for easy writing
- Maximum RCF upto 9400g
- Autoclavable upto 121°C
- Freezable upto -80°C
- Leak proof
- Non-pyrogenic
- All tubes are packaged with caps attached

Code	Volume	DNase/RNase free	Sterile
TCP048	15ml	Yes	Yes
TCP049	50ml	No	Yes
TCP050	50ml	Yes	Yes

Product

Code

Packing

Flip Cap Centrifuge Tube [S] Volume : 15ml, DNase/RNase free	TCP048-2x25NO	2x25 no
	TCP048-4x25NO	4x25 no
	TCP048-20x25NO	20x25 no
Flip Cap Centrifuge Tube [S] Volume : 50ml	TCP049-2x25NO	2x25 no
	TCP049-4x25NO	4x25 no
	TCP049-20x25NO	20x25 no
Flip Cap Centrifuge Tube [S] Volume : 50ml, DNase/RNase free	TCP050-2x25NO	2x25 no
	TCP050-4x25NO	4x25 no
	TCP050-20x25NO	20x25 no

225ml Conical Centrifuge Tube, Sterile



- Made from high grade gamma resistant **polypropylene**
- Plug seal cap with **polyethylene**
- Engraved graduations
- Maximum RCF upto 7500g
- Autoclavable upto 121°C & Freezable upto -80°C
- Leak proof
- Sterilized by gamma irradiation
- DNase/RNase free and non-pyrogenic

Code	Volume	Size (mm)
TCP035	225ml	61x137

Product

Code

Packing

Conical Centrifuge Tube [S] Volume : 225ml, DNase/RNase free	TCP035-1x6NO	1x6 no
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Solution Storage

Sterile Polycarbonate Bottles

Sterile PET Bottles

Sterile Solution Bottles

Sterile Polycarbonate Bottles **New**



Features:

- Bottle made up of **Polycarbonate** with **Polypropylene** cap.
- Sterilized by gamma irradiation.
- Gamma indicator sticker available in individual bottle.
- Available in three sizes - 125 ml, 250 ml and 500 ml.
- Graduations on the bottle.
- Autoclavable 1 - 2 times.

Applications:

- Water collection in pharmaceutical, beverages and processed food industry.
- Individually packed and pre-sterilized prevents cross contamination of sample.
- Good choice for short term media storage and containing other aqueous solutions.
- Polycarbonate bottles remain impact resistant down to -135°C and are usable to +135°C, making them suitable for use from the freezer to the autoclave.
- Polycarbonate bottles are chemically compatible with weak acids, alcohols and aliphatic hydrocarbons. They are not suited for exposure to bases, solvents or other aggressive lab chemicals which may cause immediate damage or product failure.

Product	Code	Packing
Polycarbonate Bottle, 250ml Sterile	New TCP280-120NO	120 no
Polycarbonate Bottle, 125ml Sterile	New TCP281-120NO	120 no

Polycarbonate Bottle, Autoclavable



Polycarbonate bottle-
500ml
Autoclavable

TCP031-1X12NO
TCP031-4X12NO
TCP031-8X12NO

1x12 no
4x12 no
8x12 no

Solution Bottles, Sterile



Solution bottles are required for storage of solutions.

- Available in 5 different volumes 150ml, 250ml, 500ml, 1000ml and 2000ml
- Chemical resistant and light weight
- Edge knurls on the cap for easy grip
- Specially designed wide mouth for efficient and stable pouring
- Engraved graduation
- Concave on sides for ease in holding
- Sterilized by gamma irradiation
- Non-pyrogenic, non-toxic & Non-autoclavable

Solution Bottles Volume : 150ml	TCP037-1x12NO	1x12 no
Solution Bottles Volume : 250ml	TCP038-1x12NO	1x12 no
Solution Bottles Volume : 500ml	TCP039-1x12NO	1x12 no
Solution Bottles Volume : 1000ml	TCP040-1x12NO	1x12 no
Solution Bottles Volume : 2000ml	TCP041-1x12NO	1x12 no

Sterile PET Bottles

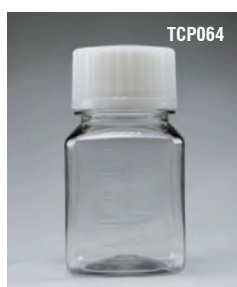


TCP271

- Our bottles are made from durable, break-resistant **polyethylene terephthalate (PET)** with natural high density polyethylene closures.
- Sterilized by gamma irradiation.
- Individually packaged bottles have **Sterility Assurance Level (SAL) of 10⁻⁶**
- Non-pyrogenic and non-cytotoxic
- Light-weight bottles and come in a space-saving square design.
- Molded in graduations and neck ring for use
- Transparency and reduced permeability to CO₂ and O₂
- Provide excellent gas barrier properties for storage
- Available in four sizes: 125ml, 250ml, 500ml, and 1000ml

Code	Product Name	Volume	Overflow Capacity	Sterile	Packing
TCP269-96NO	PET Bottle, Sterile, 125ml	125ml	186 ± 6ml	Yes	6x4 / layer
TCP270-96NO	PET Bottle, Sterile, 250ml	250ml	340 ± 9ml	Yes	6x4 / layer
TCP271-56NO	PET Bottle, Sterile, 500ml	500ml	722 ± 13ml	Yes	7x4 / layer
TCP272-15NO	PET Bottle, Sterile, 1000ml	1000ml	1308 ± 20ml	Yes	5x3 / layer

PET Bottle, Sterile



TCP064

Product

Code

Packing

PET Bottle, Sterile, 125ml Pyrogen-free	[S] TCP064-1x70NO	1x70 no
	TCP064-1x96NO	1x96 no

Miscellaneous

Cell Scraper

Coverslips

Cell Strainer

Cell Culture Insert

Microtube Rack

Sterile Cell Scraper



Cell scrapers are used for mechanical harvesting of cells from flasks.

- Sterilized by gamma irradiation
- Pivoting blades of cell scrapers enable precise scraping of cells from surface of the vessel
- Non-pyrogenic, non-toxic, DNase-RNase free
- Polystyrene handle
- Free rotating blade to twist to the desired direction
- Total access to all corner
- Non-pyrogenic

Code	Type	Total length (cm)	Blade width (cm)	Sterile
TCP223	Scraper	23	1.25	Yes
TCP224	Scraper	30	1.25	Yes

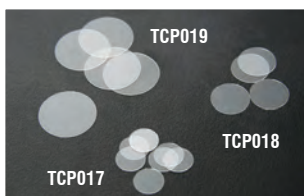
Product

Code

Packing

Cell Scraper w/ Rotatable blade Blade width: 1.25cm Total length: 23cm	TCP223-50x1NO	50x1 no
Cell Scraper w/ Rotatable blade Blade width: 1.25cm Total length: 30cm	TCP224-50x1NO	50x1 no

Coverslips



Coverslips are used to culture cells on an optical surface which facilitates staining and fixation of cultured cells for microscopy.

- Available in 3 sizes - 12mm, 18mm and 25 mm
- Resistant to breakage & Chemically inert
- Surface treated
- Sterilized by irradiation with Ethylene-oxide gas & Non-autoclavable

Code	Dimension (mm)	Thickness (mm)	Suitable Multiwell Plate
TCP017	15	0.16 - 0.19	24
TCP018	20	0.16 - 0.19	12
TCP019	25	0.16 - 0.19	6

Product

Code

Packing

Coverslip Diameter 15mm	TCP017-1x200NO	1x200 no
Coverslip Diameter 20mm	TCP018-1x200NO	1x200 no
Coverslip Diameter 25mm	TCP019-1x200NO	1x200 no

Sterile Cell Strainer



Cell strainers are sterile, easy to use devices for obtaining uniform cell suspension from tissues. It is used as a faster and easier alternative to gauze filtration.

- Strainer made up of nylon mesh with evenly spaced pores and frame made up of polypropylene
- Sterilized by gamma irradiation
- Available in 3 pore sizes - 40 μ m, 70 μ m & 100 μ m
- Designed to fit perfectly into 50ml centrifuge tube
- Extended lip on strainer enables aseptic handling with forceps
- Non-pyrogenic, non-toxic, DNase-RNase free

Applications

- Ideal for preparation of flow cytometry samples such as
 - Single cell suspensions of blood cells from marrow, pancreas, thymus, tonsil and lymph nodes
 - Stem cells and cancer cells
 - Preparation of specimens for primary cell cultures and immunogens
- Filtering agglutinative proteins produced in inactivation of serum

Code	Pore size (μ m)	Sterile
TCP024	40	Yes
TCP025	70	Yes
TCP026	100	Yes

Cell Strainer Pore size 40 μ m	TCP024-1x50NO	1x50 no
Cell Strainer Pore size 70 μ m	TCP025-1x50NO	1x50 no
Cell Strainer Pore size 100 μ m	TCP026-1x50NO	1x50 no

Sterile Cell Culture Insert



Cell culture inserts closely mimic *in vivo* environment enabling cells to uptake medium from their apical as well as basolateral surface.

Polycarbonate membrane (PC) - Thin and semi transparent membrane for microscopic work

Code	Type of Membrane	Membrane Pore Size (μm)	Membrane Diameter (mm)	Growth Area (cm ²)	Working Volume (ml)	Optical Properties
TCP078	PC	0.4	24	4.52	1.5~2.5	White
TCP079	PC	3.0	24	4.52	1.5~2.5	Semi translucent
TCP080	PC	8.0	24	4.52	1.5~2.5	Translucent
TCP081	PC	0.4	6.5	0.33	0.2~0.35	White
TCP082	PC	3.0	6.5	0.33	0.2~0.35	Semi translucent
TCP083	PC	8.0	6.5	0.33	0.2~0.35	Translucent

- Available in two membrane types - **Polycarbonate** membrane (PC) and **Polyester** membrane (PE)
- Frame material is made of **crystal-grade polystyrene**
- Available in three membrane diameters - 6.5mm, 12mm and 24mm
- Available in five pore sizes- 0.1μm, 0.4μm, 3.0μm, 1.0μm and 8.0μm
- Packaged with multiwell plates : 6 well, 12 well and 24 well
- Distance from membrane to the bottom of the well is 0.8 ~ 1mm
- Nominal membrane thickness of 7 ~ 10μm
- Sterilized by gamma irradiation
- Widely used in experiments of invasion, migration, transportation, drug uptake, epithelial polarization, chemotaxis, co-culture experiment, toxicity study and modeling of *in vivo* barrier

Polyester membrane (PE) - Thin, microporous polyester membrane with high degree of chemical resistance and low protein binding

Code	Type of Membrane	Membrane Pore Size (μm)	Membrane Diameter (mm)	Growth Area (cm ²)	Working Volume (ml)	Optical Properties
TCP084	PE	0.4	24	4.52	1.5~2.5	White
TCP085	PE	3.0	24	4.52	1.5~2.5	Semi translucent
TCP086	PE	8.0	24	4.52	1.5~2.5	Semi translucent
TCP087	PE	0.4	6.5	0.33	0.2~0.35	White
TCP088	PE	3.0	6.5	0.33	0.2~0.35	Semi translucent
TCP089	PE	8.0	6.5	0.33	0.2~0.35	Semi translucent

Product

Code

Packing

Cell Culture Insert, White S Membrane : Polycarbonate Pore size : 0.4μm Membrane Diameter : 24mm	TCP078-2x6no TCP078-4x6no	2x6 no 4x6 no
Cell Culture Insert, Semi translucent S Membrane : Polycarbonate Pore size : 3.0μm Membrane Diameter : 24mm	TCP079-2x6no TCP079-4x6no	2x6 no 4x6 no
Cell Culture Insert, Translucent S Membrane : Polycarbonate Pore size : 8.0μm Membrane Diameter : 24mm	TCP080-2x6no TCP080-4x6no	2x6 no 4x6 no
Cell Culture Insert, White S Membrane : Polycarbonate Pore size : 0.4μm Membrane Diameter : 6.5mm	TCP081-2x12no TCP081-4x12no	2x12 no 4x12 no
Cell Culture Insert, Semi translucent S Membrane : Polycarbonate Pore size : 3.0μm Membrane Diameter : 6.5mm	TCP082-2x12no TCP082-4x12no	2x12 no 4x12 no
Cell Culture Insert, Translucent S Membrane : Polycarbonate Pore size : 8.0μm Membrane Diameter : 6.5mm	TCP083-2x12no TCP083-4x12no	2x12 no 4x12 no

Product

Code

Packing

Cell Culture Insert, White S Membrane : Polyester Pore size : 0.4 μm Membrane Diameter : 24mm	TCP084-2x6no TCP084-4x6no	2x6 no 4x6 no
Cell Culture Insert, Semi translucent S Membrane : Polyester Pore size : 3.0μm Membrane Diameter : 24mm	TCP085-2x6no TCP085-4x6no	2x6 no 4x6 no
Cell Culture Insert, Semi translucent S Membrane : Polyester Pore size : 8.0μm Membrane Diameter : 24mm	TCP086-2x6no TCP086-4x6no	2x6 no 4x6 no
Cell Culture Insert, White S Membrane : Polyester Pore size : 0.4μm Membrane Diameter : 6.5mm	TCP087-2x12no TCP087-4x12no	2x12 no 4x12 no
Cell Culture Insert, Semi translucent S Membrane : Polyester Pore size : 3.0μm Membrane Diameter : 6.5mm	TCP088-2x12no TCP088-4x12no	2x12 no 4x12 no
Cell Culture Insert, Semi translucent S Membrane : Polyester Pore size : 8.0μm Membrane Diameter : 6.5mm	TCP089-2x12no TCP089-4x12no	2x12 no 4x12 no

Sterile Polycarbonate Membrane Inserts

Product	Code	Packing		
Code	Well	Membrane Pore Size (µm)	Membrane Diameter (mm)	Growth Area (cm²)
TCP240	6	0.1	24	4.67
TCP241	6	0.4	24	4.67
TCP242	6	1.0	24	4.67
TCP243	6	3.0	24	4.67
TCP244	6	8.0	24	4.67
TCP245	6	12.0	24	4.67
TCP246	12	0.1	12	1.12
TCP247	12	0.4	12	1.12
TCP248	12	1.0	12	1.12
TCP249	12	3.0	12	1.12
TCP250	12	8.0	12	1.12
TCP251	12	12.0	124	1.12
TCP252	24	0.1	6.5	0.33
TCP253	24	0.4	6.5	0.33
TCP254	24	1.0	6.5	0.33
TCP255	24	3.0	6.5	0.33
TCP256	24	5.0	6.5	0.33
TCP257	24	8.0	6.5	0.33
TCP258	24	12.0	6.5	0.33

6 Inserts in a 6 well plate

Cell Culture Insert Semi-transparent	TCP240-2x6NO TCP240-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP241-2x6NO TCP241-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP242-2x6NO TCP242-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP243-2x6NO TCP243-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP244-2x6NO TCP244-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP245-2x6NO TCP245-4x6NO	2x6 no 4x6 no

12 Inserts in a 12 well plate

Cell Culture Insert Semi-transparent	TCP246-2x12NO TCP246-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP247-2x12NO TCP247-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP248-2x12NO TCP248-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP249-2x12NO TCP249-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP250-2x12NO TCP250-4x12NO	2x12 no 4x12 no

Product

Code

Packing

Cell Culture Insert Transparent	TCP251-2x12NO TCP251-4x12NO	2x12 no 4x12 no
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12 Inserts in a 24 well plate

Cell Culture Insert Semi-transparent	TCP252-2x12NO TCP252-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP253-2x12NO TCP253-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP254-2x12NO TCP254-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP255-2x12NO TCP255-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP256-2x12NO TCP256-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP257-2x12NO TCP257-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP258-2x12NO TCP258-4x12NO	2x12 no 4x12 no

Sterile Polyester Membrane Inserts

Code	Well	Membrane Pore Size (µm)	Membrane Diameter (mm)	Growth Area (cm ²)
TCP259	6	0.1	24	4.67
TCP260	6	0.4	24	4.67
TCP261	6	1.0	24	4.67
TCP262	6	3.0	24	4.67
TCP263	6	8.0	24	4.67
TCP264	12	0.1	12	1.12
TCP265	12	0.4	12	1.12
TCP273	12	1.0	12	1.12
TCP274	12	3.0	12	1.12
TCP275	12	8.0	12	1.12
TCP276	24	0.1	6.5	0.33
TCP266	24	0.4	6.5	0.33
TCP277	24	1.0	6.5	0.33
TCP267	24	3.0	6.5	0.33
TCP268	24	8.0	6.5	0.33

6 Inserts in a 6 well plate

Cell Culture Insert Transparent	TCP259-2x6NO TCP259-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP260-2x6NO TCP260-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP261-2x6NO TCP261-4x6NO	2x6 no 4x6 no

Product	Code	Packing
Cell Culture Insert Transparent	TCP262-2x6NO TCP262-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP263-2x6NO TCP263-4x6NO	2x6 no 4x6 no

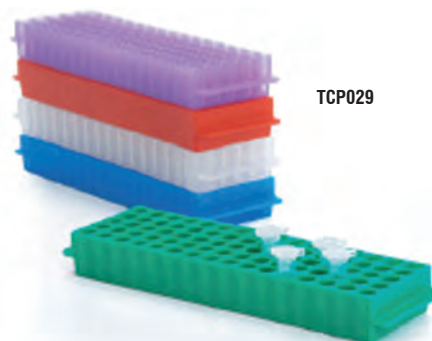
12 Inserts in a 12 well plate

Cell Culture Insert Transparent	TCP264-2x12NO TCP264-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP265-2x12NO TCP265-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP273-2x12NO TCP273-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP274-2x12NO TCP274-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP275-2x12NO TCP275-4x12NO	2x12 no 4x12 no

12 Inserts in a 24 well plate

Cell Culture Insert Transparent	TCP276-2x12NO TCP276-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP266-2x12NO TCP266-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP277-2x12NO TCP277-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP267-2x12NO TCP267-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP268-2x12NO TCP268-4x12NO	2x12 no 4x12 no

Product	Code	Packing
Microtube Rack		



- Made of **Polypropylene**.
- Autoclavable.
- For 1.5ml microtubes.
- 5x16 holes per rack.
- Available in 5 colours - White, Blue, Green, Violet and Red.

Microtube Rack 5x16 holes per rack	TCP029-1x5NO TCP029-3x5NO	1x5 no 3x5 no
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HiQ™ Series of Premium Grade Labware

Product

Code

Packing

Sterile Tissue Culture Flasks, Premium Grade



- Manufactured from optically clear **virgin polystyrene**.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Surface treated for adherent cells.
- Broad base increases stability.
- Available with 2 different cap styles:
 - a) Vented cap - Vented polyethylene caps with 0.22µm hydrophobic filter to allow gas exchange and minimize the risk of contamination.
 - b) Non vented cap - Non-vented polyethylene caps for use of flasks in closed systems. Can also be used in open systems by keeping one thread loose.

Code	Surface Type	Growth area (cm ²)	Cap style	Recommended medium volume (ml)
TCP162	Treated	25	Non vented	5.0 - 7.0
TCP163	Treated	25	Vented	5.0 - 7.0
TCP164	Treated	75	Non vented	15.0 - 22.0
TCP165	Treated	75	Vented	15.0 - 22.0
TCP184	Treated	162	Non vented	32.0 - 48.0
TCP185	Treated	162	Vented	32.0 - 48.0

For Adherent Cells Surface Treated Flasks with Vented Caps

Tissue Culture Flask, Surface Treated Vented Cap, Growth area 25.0cm ² .	TCP163-5x10NO TCP163-10x10NO TCP163-20x10NO	5x10 no 10x10 no 20x10 no
Tissue Culture Flask, Surface Treated Vented Cap, Growth area 75.0cm ² .	TCP165-5x5NO TCP165-10x5NO	5x5 no 10x5 no
Tissue Culture Flask, Surface Treated Vented Cap, Growth area 162.0cm ² .	TCP185-5x5NO TCP185-10x5NO	5x5 no 10x5 no

Product

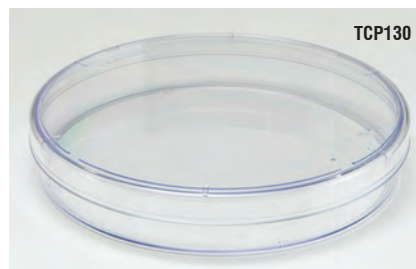
Code

Packing

Surface Treated Flasks with Non vented Caps

Tissue Culture Flask, Surface Treated Non vented cap, Growth area: 25.0cm ² .	TCP162-5x20NO TCP162-10x20NO	5x20 no 10x20 no
Tissue Culture Flask, Surface Treated Non vented cap, Growth area 75.0cm ² .	TCP164-5x5NO TCP164-10x5NO	5x5 no 10x5 no
Tissue Culture Flask, Surface Treated Non vented cap, Growth area 162.0cm ² .	TCP184-5x5NO TCP184-10x5NO	5x5 no 10x5 no

Sterile Tissue Culture Dishes, Premium Grade



- Manufactured from optically clear **virgin polystyrene**.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Available in 4 diameters - 35mm, 60mm, 100mm and 150mm.
- Surface treated for adherent cells.
- Stackable.
- Lid allows gas exchange.

Code	Surface type	Dimensions (OD X H) mm	Actual growth surface diameter (mm)	Surface area (cm ²)	Working volume (ml)	Average cell yield (cells/cm ²)*	Sterile
TCP128	Treated	35 X 10	34.4	9	1.8 - 2.7	9.0 x 10 ⁵	Yes
TCP129	Treated	60 X 15	52.1	21	4.2 - 6.3	2.1 x 10 ⁶	Yes
TCP130	Treated	100 X 20	83.8	55	11.0 - 16.5	5.5 x 10 ⁶	Yes
TCP131	Treated	150 X 25	139.1	152	30.4 - 45.6	1.52 x 10 ⁷	Yes

* Assumes an average yield of 1 x 10⁵ cells/cm² from a 100% confluent culture. Yields may vary depending on cell type.

For Adherent Cells Surface Treated Dishes

Cell Culture Dish, Surface treated 35 x 10mm, Working volume 1.8 - 2.7ml, Growth area 9.0cm ² .	TCP128-10x20NO TCP128-25x20NO	10x20 no 25x20 no
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Product	Code	Packing
Cell Culture Dish, Surface treated 60 x 15mm, Working volume 4.2 - 6.3ml, Growth area 21.0cm ² .	TCP129-10x20NO TCP129-25x20NO	10x20 no 25x20 no
Cell Culture Dish, Surface treated 100 x 20mm, Working volume 11.0 - 16.5ml, Growth area 55.0cm ² .	TCP130-10x20NO TCP130-25x20NO	10x20 no 25x20 no
Cell Culture Dish, Surface treated 150 x 25mm, Working volume 30.4 - 45.6ml, Growth area 150.0cm ² .	TCP131-6x5NO TCP131-12x5NO	6x5 no 12x5 no

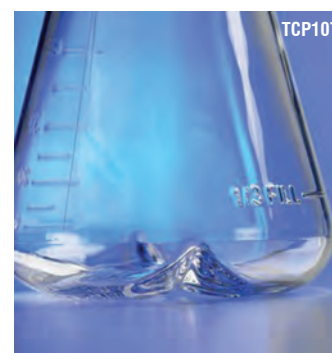
Product	Code	Packing
Tissue Culture Plates, Surface treated 12 wells, Growth area 3.8cm ²	TCP174-10x1NO TCP174-50x1NO TCP174-100x1NO	10x1 no 50x1 no 100x1 no
Tissue Culture Plates, Surface treated 24 wells, Growth area 1.9cm ²	TCP175-10x1NO TCP175-50x1NO TCP175-100x1NO	10x1 no 50x1 no 100x1 no
Tissue Culture Plates, Surface treated 96 wells, Growth area 0.32cm ²	TCP177-10x1NO TCP177-50x1NO TCP177-100x1NO	10x1 no 50x1 no 100x1 no

Sterile Erlenmeyer Flasks, Premium Grade

Sterile Multi Well Plates, Premium Grade



Plain bottom



Baffled bottom

- Made up of ultra clear 100% **virgin polystyrene**.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free
- Individual alphanumeric codes for well identification.
- Non-reversible lids with condensation rings to prevent contamination.
- Surface treated plates for adherent cells.
- Lid allows gas exchange.

- Made from optically clear **polycarbonate**. USP Class VI material provides excellent optical clarity and mechanical strength.
- Sterilized by gamma irradiation.
- Individually packed.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Ideal for shaker culture applications, liquid handling and storage.
- Available in 2 bottom options - Plain bottom and Baffled bottom.
- Bottom baffles interrupt the circular flow to create a turbulent flow. This leads to increase in gas exchange surface of liquid thereby increasing the oxygen intake.
- Unique baffle design with a molded - in "1/3 fill" line for convenience.
- Two cap styles:
 - a) Vented caps - Contain 0.2µm hydrophobic membrane sealed to the cap providing consistent sterile gas exchange while minimizing the risk of contamination.
 - b) Non vented caps - For use in closed systems. Can be used in open systems by keeping one thread loose.
- Unbreakable.
- Molded-in graduations for accuracy.

Multiwell plates - Well dimensions, expected cell yields and recommended medium volumes						
Code	Cell culture plate	Surface type	Approx growth area (cm ²)	Average cell yield*	Total well volume (ml)	Working well volume (ml)
TCP173	6 well	Surface treated	9.5	9.5 x 10 ⁵	16.8	1.9 - 2.9
TCP174	12 well	Surface treated	3.8	3.8 x 10 ⁵	6.9	0.76 - 1.14
TCP175	24 well	Surface treated	1.9	1.9 x 10 ⁵	3.4	0.38 - 0.57
TCP177	96 well	Surface treated	0.32	3.2 x 10 ⁴	0.36	0.1 - 0.2

* Assumes an average yield of 1 x 10⁵ cells/cm² from a 100% confluent culture. Yields may vary depending on cell type.

For Adherent Cells Surface Treated Plates

Tissue Culture Plates, Surface treated 6 wells, Growth area 9.5cm ²	TCP173-10x1NO TCP173-50x1NO TCP173-100x1NO	10x1 no 50x1 no 100x1 no
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Product	Code	Packing
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Erlenmeyer flasks				
Code	Total volume (ml)	Working volume (ml)	Cap style	Bottom type
TCP112	125	21.3 - 50.0ml	Non-vented	Plain
TCP113	125	21.3 - 50.0ml	Vented	Plain
TCP097	125	21.3 - 50.0ml	Vented	Baffled
TCP098	125	21.3 - 50.0ml	Non-vented	Baffled
TCP157	250	62.5 - 100.0ml	Non-vented	Plain
TCP114	250	62.5 - 100.0ml	Vented	Plain
TCP099	250	62.5 - 100.0ml	Vented	Baffled
TCP100	250	62.5 - 100.0ml	Non-vented	Baffled
TCP158	500	125.0 - 200.0ml	Non-vented	Plain
TCP115	500	125.0 - 200.0ml	Vented	Plain
TCP101	500	124.0 - 200.0ml	Vented	Baffled
TCP102	500	124.0 - 200.0ml	Non-vented	Baffled
TCP159	1000	250.0 - 400.0ml	Non-vented	Plain
TCP116	1000	250.0 - 400.0ml	Vented	Plain
TCP107	1000	250.0 - 400.0ml	Vented	Baffled
TCP108	1000	250.0 - 400.0ml	Non-vented	Baffled

Plain Bottom Erlenmeyer Flasks with Vented Caps

Erlenmeyer Flasks, Plain bottom Vented cap, Volume 125ml	TCP113-10x1NO TCP113-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Plain bottom Vented cap, Volume 250ml	TCP114-10x1NO TCP114-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Plain bottom Vented cap, Volume 500ml	TCP115-5x1NO TCP115-25x1NO	5x1 no 25x1 no
Erlenmeyer Flasks, Plain bottom Vented cap, Volume 1000ml	TCP116-5x1NO TCP116-25x1NO	5x1 no 25x1 no

Plain Bottom Erlenmeyer Flasks with Non vented Caps

Erlenmeyer Flasks, Plain bottom Non vented cap, Volume 125ml	TCP112-10x1NO TCP112-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Plain bottom Non vented cap, Volume 250ml	TCP157-10x1NO TCP157-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Plain bottom Non vented cap, Volume 500ml	TCP158-5x1NO TCP158-25x1NO	5x1 no 25x1 no
Erlenmeyer Flasks, Plain bottom Non vented cap, Volume 1000ml	TCP159-5x1NO TCP159-25x1NO	5x1 no 25x1 no

Baffled Bottom Erlenmeyer Flasks with Vented Caps

Erlenmeyer Flasks, Baffled bottom Vented cap, Volume 125ml	TCP097-10x1NO TCP097-50x1NO	10x1 no 50x1 no
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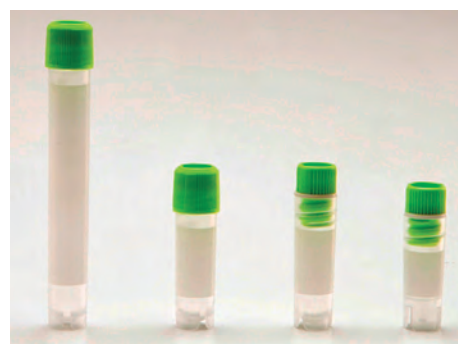
Product	Code	Packing
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Erlenmeyer Flasks, Baffled bottom Vented cap, Volume 250ml	TCP099-10x1NO TCP099-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Baffled bottom Vented cap, Volume 500ml	TCP101-5x1NO TCP101-25x1NO	5x1 no 25x1 no
Erlenmeyer Flasks, Baffled bottom Vented cap, Volume 1000ml	TCP107-5x1NO TCP107-25x1NO	5x1 no 25x1 no

Baffled Bottom Erlenmeyer Flasks with Non vented Caps

Erlenmeyer Flasks, Baffled bottom Non vented cap, Volume 125ml	TCP098-10x1NO TCP098-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Baffled bottom Non vented cap, Volume 250ml	TCP100-10x1NO TCP100-50x1NO	10x1 no 50x1 no
Erlenmeyer Flasks, Baffled bottom Non vented cap, Volume 500ml	TCP102-5x1NO TCP102-25x1NO	5x1 no 25x1 no
Erlenmeyer Flasks, Baffled bottom Non vented cap, Volume 1000ml	TCP108-5x1NO TCP108-25x1NO	5x1 no 25x1 no

Sterile Cryovials, Premium Grade



- Manufactured from high grade **polypropylene** to withstand temperatures down to -196°C.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Available with 2 cap styles.
 - a) Internally threaded.
 - b) Externally threaded.
- Available in 3 volumes - 1.2ml, 2.0ml and 5.0ml.
- Self standing.
- Graduations & large marking spot for writing on every vial.

Warning

Do not store these cryovials in liquid phase of liquid nitrogen. Store only in the vapour phase.

Product Code Packing

Code	Cap style	Total volume (ml)
TCP117	Internal	1.2
TCP118	External	2.0
TCP119	Internal	2.0
TCP120	External	5.0

Cryovials, Internally Threaded Volume: 1.2ml, Self standing	TCP117-1x125NO	1x125 no
Cryovials, Externally Threaded Volume: 2.0ml, Self standing	TCP118-1x125NO	1x125 no
Cryovials, Internally Threaded Volume: 2.0ml, Self standing	TCP119-1x125NO	1x125 no
Cryovials, Externally Threaded Volume: 5.0ml, Self standing	TCP120-1x125NO	1x125 no

Sterile Centrifuge Tubes, Premium Grade



- Tubes made up of **polypropylene** and caps made up of **high density polyethylene**.
- Sterilized by gamma irradiation.
- Black printed graduations and large white marking spot for writing.
- Available in two capacities - 15ml and 50ml.
- Non-pyrogenic, non-toxic, DNase - RNase free.
- Two packing options available:
 - a) In racks.
 - b) In resealable ziplock sleeves.

Code	Volume	Packing	Self standing	Maximum RCF (x g)	Graduation range	Graduation interval	Dimensions (OD x L)mm	Cap diameter (mm)
TCP103	15	Rack	No	8000	1.5 - 14.5ml	0.5ml	17.5 x 118.5	22.9
TCP104	50	Rack	No	10000	5.0 - 50.0ml	2.5ml	29.1 x 114.4	35.2
TCP105	15	Sleeves	No	8000	1.5 - 14.5ml	0.5ml	17.5 x 118.5	22.9
TCP106	50	Sleeves	No	10000	5.0 - 50.0ml	2.5ml	29.1 x 114.4	35.2

Product Code Packing

Centrifuge Tubes, 15ml

Centrifuge Tubes, 15ml Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in rack	TCP103-1x50NO TCP103-5x50NO TCP103-10x50NO	1x50 no 5x50 no 10x50 no
Centrifuge Tubes, 15ml Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in sleeves	TCP105-1x50NO TCP105-5x50NO TCP105-10x50NO	1x50 no 5x50 no 10x50 no

Centrifuge Tubes, 50ml

Centrifuge Tubes, 50ml Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in rack	TCP104-2x25NO TCP104-10x25NO TCP104-20x25NO	2x25 no 10x25 no 20x25 no
Centrifuge Tubes, 50ml Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in sleeves	TCP106-1x50NO TCP106-5x50NO TCP106-10x50NO	1x50 no 5x50 no 10x50 no

Sterile Cell Scrapers and lifter, Premium Grade



- Cell scrapers are useful for mechanical harvesting of cells from flasks.
- Sterilized by gamma irradiation.
- Pivoting blades of cell scrapers make precise scraping of cells from vessel possible.
- Cell lifters are useful for mechanical harvesting of cells especially stem cells from dishes.
- Cell lifters have non-pivoting fixed blade.
- Blade design minimizes cell damage and ensures even contact with growth surface while maintaining high viability upon harvesting.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- **Polystyrene** handle.

Code	Description	Blade length (cm)	Handle length (cm)
TCP110	Scraper	1.8	25.0
TCP111	Scraper	3.0	39.0
TCP096	Lifter	1.9	18.0

Cell Scraper Blade width 1.8cm, Handle length 25cm	TCP110-100x1NO	100x1 no
Cell Scraper Blade width 3.0cm, Handle length 39cm	TCP111-100x1NO	100x1 no
Cell Lifter Blade width 1.9cm, Handle length 18cm	TCP096-50x1NO	50x1 no

Product

Code

Packing

Sterile Cell Culture Inserts, Premium Grade



Packaging information

Diameter	Packing	2x12 no	4x12 no
6.5mm	12 inserts in one 24 well plate	Two 24 well plates containing 12 inserts per plate	Four 24 well plates containing 12 inserts per plate

- Sterilized by gamma irradiation.
- Available in **Polycarbonate** membrane.
- Enables polarized cells to feed basolaterally thereby allowing metabolic activities in a more natural fashion.

Properties	Polycarbonate
Optical properties	Translucent, should be stained for cell visibility
Cell visibility	Poor
Tissue culture treated	Yes
Membrane thickness	10µm
Matrix / ECM coatable	Yes
Collagen treated	No
Chemically compatible with	Histological fixatives such as methanol and formaldehyde, other alcohols, amines, esters, ketones, oils, halogenated hydrocarbons, DMSO
Chemically incompatible with	Strong acids and strong bases
Diameter (mm)	6.5
Pore sizes (µm)	0.4

- Designed to produce a cell culture environment that closely resembles the *in vivo* state.
- Self-centered hanging design prevents medium wicking between the insert and outer well.
- Allows the access to the lower compartment through the windows in the insert wall.
- Suspended design allows for undamaged co-culturing of cells in the lower compartment.
- Sterilized by gamma irradiation.

Applications of inserts

- Chemotaxis assays to study wound repair, cell differentiation, embryonic development and tumor metastasis.
- Co-culture of cells to evaluate secreted soluble factors mediating changes in cell behaviour in the absence of cell-cell contact.
- Drug transport of small molecules evaluated using epithelial or endothelial monolayers cultured on permeable supports.

Product

Code

Packing

Growth areas and recommended medium volumes for membrane inserts

Plate type	Insert diameter (mm)	Insert membrane growth area (cm ²)	Volume per well (ml)	Volume per insert (ml) (Added inside the insert)
6-well	24	4.67	2.6	1.5
24-well	6.5	0.33	0.6	0.1

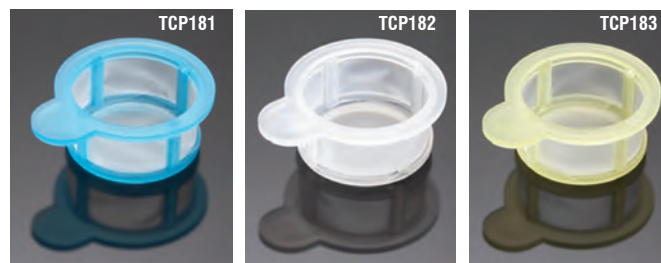
Cell Culture Inserts, Translucent

TCP150-4x12NO
Membrane: Polycarbonate,
Membrane Thickness: 10µm,
Membrane diameter: 6.5mm,
Pore size: 0.4µm,
Growth area: 0.33cm²

TCP150-4x12NO

4x12 no

Sterile Cell Strainers, Premium Grade



Cell strainer is a sterile, easy to use device for obtaining uniform cell suspension from tissues. It can be used as a faster and easier alternative to gauze filtration.

- Strainer made up of **nylon mesh** with evenly spaced pores and frame made up of **polypropylene**.
- Sterilized by gamma irradiation.
- Available in 3 pore sizes - 40µm, 70µm and 100µm.
- Designed to fit perfectly into 50ml conical bottom centrifuge tube.
- Extended lip on strainer enables aseptic handling with forceps.
- Enables polarized cells to feed basolaterally thereby allowing metabolic activities in a more natural fashion.
- Non-pyrogenic, non-toxic, DNase-RNase free.

Applications

- Preparation of flow cytometry samples such as single cell suspensions of blood cells from marrow, pancreas, thymus, tonsil and lymph nodes, stem cells, tissue derived cells and cancer cells.
- Preparation of specimens for primary cell cultures and immunogens.
- Preparation of freezing stocks.
- Filtering agglutinative proteins produced in inactivation of serum.

Cell Strainer Pore size: 40µm	TCP181-50x1NO	50x1 no
Cell Strainer Pore size: 70µm	TCP182-50x1NO	50x1 no
Cell Strainer Pore size: 100µm	TCP183-50x1NO	50x1 no



HiMedia's product offering includes a broad range of filters, membranes and related filtration devices to meet all types of needs of customers for their application related to filtration

FILTRATION SOLUTIONS

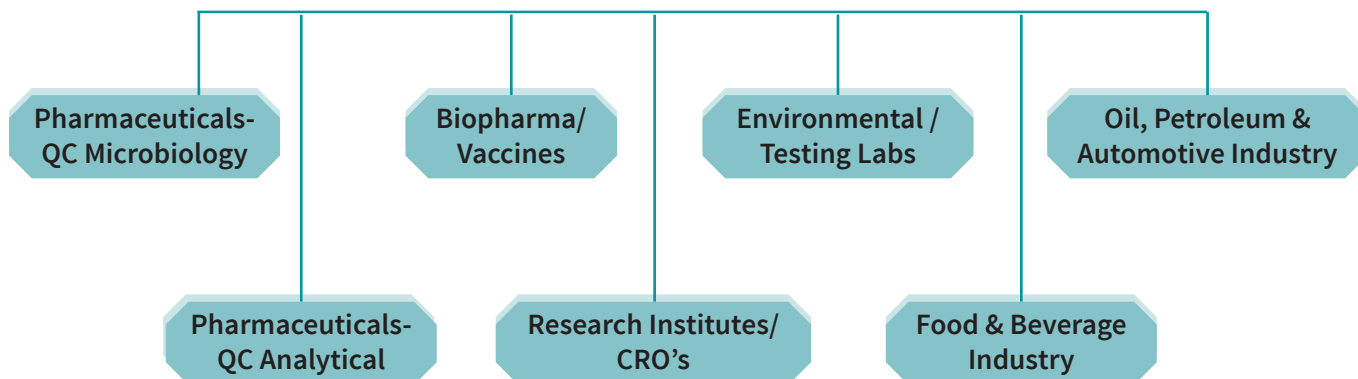
Product	Prefix	Page
Sterile Filtration Aids		
Filtration Membranes	SF	529-533
Syringe Driven Filters	SF	534-537
Vacuum Driven Filters	SF	538-539
Non-Sterile Filtration Aids		
Filtration Membranes	SF	540-548
Blotting Membranes	SF	549-550
Syringe Driven Filters	SF	551-552
Vent Filters	SF	553

Product	Prefix	Page
Filtration Systems		
Filter holders	SF	554-556
SS Sterility Test Manifold System	SF	555
Filtration Funnels	SF	557-558
Filtration Assembly		
Filtration Accessories	SF	560

Filtration Solutions



Filtration Solutions



Filtration Scale

Filter Sterilization		Sample Preparation / Clarification / Particle Removal					Prefiltration
Small Bacteria, Mycoplasma, Colloids >0.1	Particle, Bacteria <3 μ	HPLC Columns >3 μ particles	Particles, Yeast Cells	Particles, Yeast Cells	Particles, Yeast Cells & Platelets	Large Particles, Rubber Grit Cells	Glass Prefilter Highly particulate matter
0.1 m	0.2 m	0.45 m	0.65 m	0.8 m	1.2 m	5 m	Glass Fibre

Industrial Applications

• Analytical Sample Preparation

Clean samples help to get quality result and quality results helps your decision.

Sample Preparation is the first step of analysis (HPLC, GC, etc..)

• Sterility Testing

Sterility testing is an important quality control procedure in pharmaceutical, food and beverage industry. Membrane filtration is the method of choice for testing of pharmaceuticals that contain antimicrobial agents since it permits removal of contaminants from the product for viability testing.

• Cell Culture Laboratories

The nutrient media which supports the growth of cells in culture also provides optimal growth nutrients to contaminants when introduced unknowingly. This can lead to loss of precious cultures of weeks or even months. While following aseptic techniques is the primary solution to contamination, sterilizing liquids can also help in achieving this goal. As autoclaving destroys some of the critical cell culture media components and biomolecules, sterilization by filtration is the preferred choice of method for researchers all over the world.

• Brewing Industry

Membrane filtration is used in brewing industry primarily to increase the keeping qualities of product during storage at room temperature. It eliminates the need for heat pasteurization of the final product.

• Clarification and stabilization of wine

Membrane filtration is used for removal of bacteria, yeasts and potential spoilage organisms from wine. Filtration also increases product clarity.

• Microscopy

Particles from gas or liquids can be trapped on filter surface and used to study and quantify particulates by microscopic techniques.

• Viability counting

If density of organisms in the process fluid is very low, it is not possible to count them by microscopy. In such case,

the material to be tested is passed through the filter and the organisms are retained on the surface of the filter. Filter is then placed upon a culture medium and viable microorganisms retained on filter grow into colonies.

• Cleaning gases by filtration

For a wide variety of purposes in the laboratory and industry it is necessary to have air or gases that have been scrubbed clean of particulates. Membrane filters of appropriate pore size are widely used for gas filtration.

Pollution monitoring

• Microbiological examination of water

The membrane filter technique is legally recognized for checking the quality of drinking water and surface waters that might come in contact with humans.

• Virus detection in water

For detection of viruses from large volumes of water, membrane with extremely small pore sizes are used.

• Air filtration and air pollution analysis

Air sampling is a routinely performed practice to analyze microbial load in air. Personnel air sampler is widely used for personnel monitoring, especially where workers are at high risk of exposure to hazardous particulate materials such as asbestos, cotton, coal, cement, sand etc.

Biomedical and analytical uses

- ▶ Chemotaxis and leukocyte migration
- ▶ Cell growth synchronization
- ▶ Cells size fractionation
- ▶ Harvesting and concentrating microorganisms
- ▶ HPLC sample preparation

Fermentation Technology

Fermentation requires continuous addition of considerable quantities of sterile air, gases, acids, bases, antifoam and nutrient feeds. These additions are performed through the inlet ports fitted with sterile membranes. In addition to the inlet ports, the outlet ports meant for venting exhaust gases and sampling ports meant for removal of analytical samples are also equipped with sterile membrane filters.

Sterile Filtration Aids

Filtration Membranes

Syringe Driven Filters

Vacuum Driven Filters

Filtration Membranes

Membrane Type (sterile)	Diameter	Pore Size	
		0.22 μm	0.45 μm
Cellulose Acetate (CA)	47mm	SF180D	SF180E
Cellulose Nitrate (CN)	47mm	-	SF95H
Gridded Cellulose Nitrate (CN)	47mm	SF97B	SF97D
Cellulose Nitrate (CN) with hydrophobic edge	47mm	-	SF96B
Glass Fibre (GF)	47mm	SF188D (0.3 μm)	SF188E
Mixed Cellulose Esters (MCE)	47mm	SF177D	SF177E
Nylon-66	47mm	SF103I	SF103C
Polyvinylidene Fluoride (PVDF)	47mm	SF182D	SF182E
Polyether Sulfone (PES)	47mm	SF185D	SF185E

Product

Code

Packing

Cellulose-Acetate Membranes: 47mm, Sterile

- Cellulose acetate membrane exhibit low protein binding capacity.
- They are hydrophilic making them suitable for aqueous and alcoholic media.
- Shows improved solvent resistance and high thermal stability with very low adsorption characteristics.
- Ideally suited for general filtration and biological/clinical analysis requiring maximum protein recovery.

Applications

- Filtration of Aqueous Solutions (e.g. media, buffer)
- Air/Gas Filtration.

Cellulose Acetate Membrane	SF180D-100x1NO	100x1 no
Diameter: 47mm, Pore Size: 0.22 μm , *Individually packed		
Cellulose Acetate Membrane	SF180E-100x1NO	100x1 no
Diameter: 47mm, Pore Size: 0.45 μm , *Individually packed		

Product

Code

Packing

Cellulose Nitrate Membranes: 47mm , Sterile

- Cellulose nitrate material assures effective retention with high flow rates
- Fine, uniform pore structure and high, non-specific adsorption

Applications

- Large pore size ($\geq 1.2\mu\text{m}$)- Cell retention, diagnostic kits, particle retention, clear filtration
- Small pore size ($< 1.2\mu\text{m}$) - Sterile filtration of reagents and liquids

Specifications of Standard Cellulose Nitrate Membranes

Pore size (μm)	0.45
Diameter (mm)	47mm
Water Flow Rate (ml/min/cm ²) at $\Delta P=10\text{psi}$, 20°C	46
Maximum operating pressure	3 Kg/cm ²

Cellulose Nitrate Membrane, Sterile

SF95H-100x1NO

100x1 no

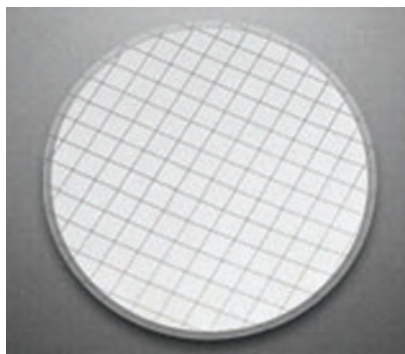
Diameter: 47mm,
Pore size: 0.45 μm
Individually packed

Product

Code

Packing

Gridded Cellulose Nitrate Membranes: 47mm, Sterile



Ensure optimum retention of microorganisms

- Used for microbial testing of water, beverages and food samples
- Grids make counting easier
- Excellent for retention of yeasts and molds
- Microscopic observation of particle/microorganisms
- Enables easy and reliable counting and identification of colonies and particles.
- Defined article retention, consistent recovery rates for microorganisms

Specifications of Gridded cellulose nitrate membranes

Pore size (µm)	0.22	0.45	0.8
Diameter (mm)	47mm		
Water Flow Rate (ml/min/cm ²) at ΔP=10psi, 20°C	20	46	259
Maximum operating pressure	3 Kg/cm ²		

Pore sizes (µm)	Diameters 47mm	
	Individually packed, sterile	
0.22	SF97B	
0.45	SF97D	
0.80	SF97F	

Gridded Cellulose Nitrate Membrane, Sterile Diameter: 47mm, Pore size: 0.22µm, Individually packed	SF97B-100x1NO	100x1 no
Gridded Cellulose Nitrate Membrane, Sterile Diameter: 47mm, Pore size: 0.45µm, Individually packed	SF97D-100x1NO	100x1 no
Gridded Cellulose Nitrate Membrane, Sterile Diameter: 47mm, Pore size: 0.8µm, Individually packed	SF97F-100x1NO	100x1 no

Product

Code

Packing

Cellulose Nitrate Membranes with hydrophobic edge: 47mm, Sterile

- Used for microbial testing of samples that contain inhibitors such as antibiotics, drugs, disinfectants, etc
- 6mm hydrophobic edge prevents diffusion of inhibitor into hydrophilic portion of membrane
- Complete removal of inhibitor can be achieved during flushing
- Improved sensitivity and reliability due to unaffected microbial growth

Specifications of Cellulose nitrate membranes with hydrophobic edge

Pore size (µm)	0.45
Diameter (mm)	47mm
Water Flow Rate (ml/min/cm ²) at ΔP=10psi, 20°C	20
Maximum operating pressure	3 Kg/cm ²

Cellulose Nitrate Membrane with hydrophobic edge, Sterile

Diameter: 47mm,
Pore size: 0.45µm,
Individually packed

SF96B-100X1NO

100x1 no

Glass Fibre Membranes: 47mm, Sterile

- Glass fiber filter membranes exhibit low pressure drop.
- They are an excellent choice as a pre-filter for fluids that have a high viscosity and/or a high level of particulates.
- Target applications include solutions where there is an elevated level of suspended or un-dissolved particles.

Applications

- Analysis of mold, fungi and yeast, stabilization of fermented product.
- Clarification and pre-filtration.
- Filter sterilization.
- Reduction of mycoplasma, ultracleaning.

Glass Fiber Membrane

Diameter: 47mm,
Pore size: 0.3 µm,
*Individually Packed

SF188D-100x1NO

100x1 no

Glass Fiber Membrane

Diameter: 47mm,
Pore size: 0.45 µm,
*Individually Packed

SF188E-100x1NO

100x1 no

Product	Code	Packing
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MCE Membranes: 47mm, Sterile

Wide solvent compatibility

- MCE membranes are naturally low in metal background.
- They are compatible with dilute bases and acids and aromatic and aliphatic hydrocarbons.
- These hydrophilic filters are available in various pore sizes and are autoclavable.
- High recovery rates, but its high porosity provides superior flowrates as well.
- High protein binding, uniform pore structure with consistent thickness.
- Comes pre-sterilized in individual packing.

Applications

- Air monitoring
- Clarification
- Particle analysis
- Bacteriological analysis
- Filter Sterilizing

MCE membrane Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	SF177D-100x1NO	100x1 no
MCE membrane Diameter: 47mm, Pore size: 0.45 μm, *Individually Packed	SF177E-100x1NO	100x1 no

Nylon-66 membranes: 47mm, Sterile

Ensures high reliability & accuracy

- Types:
 - 1) Standard : Double layered, hydrophilic and biologically inert
 - 2) HPLC Grade : Hydrophilic, biologically inert, used for HPLC sample preparation
- Available in 6 different diameters each with 3 pore sizes
- Wide chemical compatibility
- Autoclavable

Specifications of Nylon-66 Membranes				
Pore size (μm)	0.22		0.45	
Diameter (mm)	47mm			
Water Flow Rate (ml/min/cm ²) at ΔP=10psi, 20°C	14.5		38.5	
Bubble point	52psi	3.65 kg/cm ²	33psi	2.32 kg/cm ²
Maximum operating pressure	3 Kg/cm ²			

Nylon-66 Membrane Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	SF103I-100x1NO	100x1 no
Nylon-66 Membrane, Sterile Diameter: 47mm, Pore size: 0.45μm, Individually packed	SF103C-100x1NO	100x1 no

Product	Code	Packing
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PVDF Membranes: 47mm, Sterile

- Polyvinylidene Fluoride (PVDF) Membranes are their extremely low protein binding capacity.
- They are available in multiple pore sizes.
- PVDF membrane filters are mechanically strong, exhibit superior Chemical resistance & high thermal stability.

Applications:

- Sterilizing filtration
- Filtration of protein-containing solutions
- Mycoplasma reduction
- Filtration of gases
- Venting

PVDF Hydrophilic Membrane Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	SF182D-100x1NO	100x1 no
PVDF Hydrophilic Membrane Diameter: 47mm, Pore size: 0.45 μm, *Individually Packed	SF182E-100x1NO	100x1 no

PES Membranes: 47mm, Sterile

- PES filter membranes are hydrophilic having low protein binding.
- These filter membranes have the highest filtration capacity.
- Wide range of pore sizes available.
- They are ideal for tissue culture media sterilization, fluid applications and general filtration.

Applications:

- Sterile filtration
- Pharmaceutical filtration
- Bacterial enumeration

PES Membrane Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	SF185D-100x1NO	100x1 no
PES Membrane Diameter: 47mm, Pore size: 0.45 μm, *Individually Packed	SF185E-100x1NO	100x1 no

Sterile Syringe-driven Filters

- Available with 5 types of membranes: MCE, Nylon-66, PVDF, PES and PTFE
- Faster flow rates
- Low hold-up volume

Syringe-driven Filters (sterile)	Diameter (mm)	Pore Size (µm)				
		with prefilter		without prefilter		
		0.22	0.45	0.1	0.22	0.45
Cellulose Acetate (CA)	25	SF172	SF173	–	–	–
	30	–	–	–	SF150	SF151
Mixed Cellulose Esters (MCE)	13	–	–	–	SF1	SF3
	25	SF174	SF175	–	SF2	SF4
	30	–	–	–	SF137	SF138
Nylon-66	13	–	–	–	–	SF5
	25	SF164	SF165	–	SF127	SF6
	30	–	–	–	SF139	SF140
Polyvinylidene Fluoride (PVDF)	13	–	–	SF7	SF9	SF11
	25	SF166	SF167	SF8	SF10	SF12
	30	–	–	–	SF141	SF142
Polyether Sulfone (PES)	13	–	–	–	SF13	SF151
	25	SF170	SF171	–	SF14	SF16
	30	–	–	–	SF143	SF144
Polytetrafluoroethylene (PTFE)	13	–	–	–	SF17	SF19
	25	SF168	SF169	–	SF18	SF20
	30	–	–	–	SF145	SF146

Product

Code

Packing

Cellulose Acetate Syringe-driven Filters

Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
25	SF172	–	SF173	–
30	–	SF150	–	SF151

Syringe-driven Filters **SF172-50NO** **50 no**
Cellulose Acetate hydrophilic membrane, Pore size 0.22 µm, 25mm diameter **with prefilter**, Sterile
SF172-100NO **100 no**

Syringe-driven Filters **SF173-50NO** **50 no**
Cellulose Acetate hydrophilic membrane, Pore size 0.45 µm, 25mm diameter **with prefilter**, Sterile
SF173-100NO **100 no**

Syringe-driven Filters **SF150-50NO** **50 no**
Cellulose Acetate hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Sterile
SF150-100NO **100 no**

Product

Code

Packing

Syringe-driven Filters **SF151-50NO** **50 no**
Cellulose Acetate hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Sterile
SF151-100NO **100 no**

MCE Syringe-driven Filters



- Filter sterilization of liquids used in tissue culture
- Contamination analysis
- Particle monitoring and particle analysis
- Air monitoring
- Particle monitoring, particle removal, dairy microbiology, retention of yeast, molds and algae
- QC analysis of fluid holding, particle collection and analysis

Product	Code	Packing
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Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF1	–	SF3
25	SF174	SF2	SF175	SF4
30	–	SF137	–	SF138

Syringe-driven Filters MCE hydrophilic membrane, pore size 0.22 µm, 13 mm diameter, without prefilter, Sterile	SF1-50NO SF1-100NO	50 no 100 no
Syringe-driven Filters MCE hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	SF3-50NO SF3-100NO	50 no 100 no
Syringe-driven Filters MCE hydrophilic membrane, pore size 0.22 µm, 25 mm diameter, without prefilter, Sterile	SF2-50NO SF2-100NO	50 no 100 no
Syringe-driven Filters MCE hydrophilic membrane, Pore size 0.22 µm, 25mm diameter with prefilter , Sterile	SF174-50NO SF174-100NO	50 no 100 no
Syringe-driven Filters MCE hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	SF4-50NO SF4-100NO	50 no 100 no
Syringe-driven Filters MCE, Pore size 0.45 µm, 25mm diameter with prefilter , Sterile	SF175-50NO SF175-100NO	50 no 100 no
Syringe-driven Filters MCE hydrophilic membrane, pore size 0.22 µm, 30 mm diameter, without prefilter, Sterile	SF137-50NO SF137-100NO	50 no 100 no
Syringe-driven Filters MCE hydrophilic membrane, pore size 0.45 µm, 30 mm diameter, without prefilter, Sterile	SF138-50NO SF138-100NO	50 no 100 no

Product	Code	Packing
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Nylon Syringe-driven Filters

- Incorporates hydrophilic Nylon-66 membrane
- Wide chemical compatibility

Applications:

- Chemical filtration
- Beverage filtration
- Sample preparation in HPLC and GC

Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	–	–	SF5
25	SF164	SF127	SF165	SF6
30	–	SF139	–	SF140

Syringe-driven Filters Nylon-66 hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	SF5-50NO SF5-100NO	50 no 100 no
Syringe-driven Filters Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, without prefilter, Sterile	SF127-50NO SF127-100NO	50 no 100 no
Syringe-driven Filters Nylon-66 hydrophilic membrane, Pore size 0.22 µm, 25mm diameter with prefilter , Sterile	SF164-50NO SF164-100NO	50 no 100 no
Syringe-driven Filters Nylon-66 hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	SF6-50NO SF6-100NO	50 no 100 no
Syringe-driven Filters Nylon-66 hydrophilic membrane, Pore size 0.45 µm, 25mm diameter with prefilter , Sterile	SF165-50NO SF165-100NO	50 no 100 no
Syringe-driven Filters Nylon-66 hydrophilic membrane, pore size 0.22 µm, 30 mm diameter, without prefilter, Sterile	SF139-50NO SF139-100NO	50 no 100 no
Syringe-driven Filters Nylon-66 hydrophilic membrane, pore size 0.45 µm, 30 mm diameter, without prefilter, Sterile	SF140-50NO SF140-100NO	50 no 100 no

Product	Code	Packing
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PVDF Syringe-driven Filters

- Incorporates hydrophilic PVDF membrane
- Wide chemical compatibility
- Low-protein binding capacity

Applications:

- Sterilization of tissue culture liquids
- Gas filtration
- Vapor filtration

Diameter (mm)	Pore size (µm)					
	0.1		0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF7	–	SF9	–	SF11
25	–	SF8	SF166	SF10	SF167	SF12
30	–	–	–	SF141	–	SF142

Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.10 µm, 13 mm diameter, without prefilter, Sterile	SF7-50NO SF7-100NO	50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.22 µm, 13 mm diameter, without prefilter, Sterile	SF9-50NO SF9-100NO	50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	SF11-50NO SF11-100NO	50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.10 µm, 25 mm diameter, without prefilter, Sterile	SF8-50NO SF8-100NO	50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, Pore size 0.22 µm, 25mm diameter with prefilter , Sterile	SF166-50NO SF166-100NO	1x50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.22 µm, 25 mm diameter, without prefilter, Sterile	SF10-50NO SF10-100NO	50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, Pore size 0.45 µm, 25mm diameter with prefilter , Sterile	SF167-50NO SF167-100NO	1x50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	SF12-50NO SF12-100NO	50 no 100 no

Product	Code	Packing
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Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.22 µm, 30 mm diameter, without prefilter, Sterile	SF141-50NO SF141-100NO	50 no 100 no
Syringe-driven Filters PVDF hydrophilic membrane, pore size 0.45 µm, 30 mm diameter, without prefilter, Sterile	SF142-50NO SF142-100NO	50 no 100 no

PES Syringe-driven Filters

- Incorporates hydrophilic PES membrane
 - Low protein binding
 - High product recovery
- Applications:**
- Sterilization of tissue culture liquids
 - Sterilization and clarification of protein solutions, serum, virus suspensions and other aqueous solutions

Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF13	–	SF15
25	SF170	SF14	SF171	SF16
30	–	SF143	–	SF144

Syringe-driven Filters PES hydrophilic membrane, pore size 0.22 µm, 13 mm diameter, without prefilter, Sterile	SF13-50NO SF13-100NO	50 no 100 no
Syringe-driven Filters PES hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	SF15-50NO SF15-100NO	50 no 100 no
Syringe-driven Filters PES hydrophilic membrane, pore size 0.22 µm, 25 mm diameter, without prefilter, Sterile	SF14-50NO SF14-100NO	50 no 100 no
Syringe-driven Filters PES hydrophilic membrane, Pore size 0.22 µm, 25mm diameter with prefilter , Sterile	SF170-50NO SF170-100NO	50 no 100 no
Syringe-driven Filters PES hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	SF16-50NO SF16-100NO	50 no 100 no
Syringe-driven Filters PES hydrophilic membrane, Pore size 0.45 µm, 25mm diameter with prefilter , Sterile	SF171-50NO SF171-100NO	50 no 100 no

Product	Code	Packing
Syringe-driven Filters PES hydrophilic membrane, pore size 0.22 μm , 30 mm diameter, without prefilter, Sterile	SF143-50NO SF143-2x50NO	50 no 2x50 no
Syringe-driven Filters PES hydrophilic membrane, pore size 0.45 μm , 30 mm diameter, without prefilter, Sterile	SF144-50NO SF144-2x50NO	50 no 2x50 no

PTFE Syringe-driven Filters

- Incorporates hydrophobic PTFE membrane
- High solvent resistance and high protein binding

Applications:

- Alkali solvent filtration
- Strong acid solvent filtration
- Filtration of organic solvent with strong chemical causticity

Diameter (mm)	Pore size (μm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF17	–	SF19
25	SF168	SF18	SF169	SF20
30	–	SF145	–	SF146

Syringe-driven Filters PTFE hydrophobic membrane, pore size 0.22 μm , 13 mm diameter, without prefilter, Sterile	SF17-50NO SF17-100NO	50 no 100 no
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Product	Code	Packing
Syringe-driven Filters PTFE hydrophobic membrane, pore size 0.22 μm , 25 mm diameter, without prefilter, Sterile	SF18-50NO SF18-100NO	50 no 100 no
Syringe-driven Filters PTFE hydrophobic membrane, Pore size 0.22 μm , 25mm diameter with prefilter , Sterile	SF168-50NO SF168-100NO	50 no 100 no
Syringe-driven Filters PTFE hydrophobic membrane, pore size 0.22 μm , 30 mm diameter, without prefilter, Sterile	SF145-50NO SF145-100NO	50 no 100 no
Syringe-driven Filters PTFE hydrophobic membrane, pore size 0.45 μm , 13 mm diameter, without prefilter, Sterile	SF19-50NO SF19-100NO	50 no 100 no
Syringe-driven Filters PTFE hydrophobic membrane, pore size 0.45 μm , 25 mm diameter, without prefilter, Sterile	SF20-50NO SF20-100NO	50 no 100 no
Syringe-driven Filters PTFE, hydrophobic membrane, Pore size 0.45 μm , 25mm diameter with prefilter , Sterile	SF169-50NO SF169-100NO	50 no 100 no
Syringe-driven Filters PTFE hydrophobic membrane, pore size 0.45 μm , 30 mm diameter, without prefilter, Sterile	SF146-50NO SF146-100NO	50 no 100 no

Sterile Vacuum-driven Filter

Designed for single use



- Vacuum Filtration Systems come in three volume capacities 150ml, 250ml and 500ml with three membrane pore sizes 0.10µm, 0.22µm, 0.45µm
- Funnel is manufactured from optically clear polystyrene and graduated
- Receiver bottle has ergonomically designed easy grip sidewalls and graduation marks
- Receiver bottle and filter adaptor are manufactured from 100% virgin polypropylene
- The filter adaptor is preprinted with filter type and pore size
- Hose connector is designed to accept multiple hose diameter and features easy grip collar to simplify tightening/ loosening and adjustments
- Cap for receiver bottle is sterile and individually wrapped
- Each individual unit is lot-numbered for easy identification and tracking
- Individually wrapped sterile, non-pyrogenic
- For single use only. Cannot be autoclaved

Code number	Membrane material	Filter pore size (µm)	Funnel capacity
VD10	PVDF	0.10	150ml
VD13	PVDF	0.22	
VD19	PES		
VD1	MCE	0.45	
VD16	PVDF		
VD22	PES		
VD4	MCE		
VD7	Nylon	250ml	
VD11	PVDF		0.10
VD14	PVDF		0.22
VD20	PES		
VD2	MCE		0.45
VD17	PVDF		
VD23	PES		
VD5	MCE	500ml	
VD8	Nylon		
VD12	PVDF		0.10
VD15	PVDF		0.22
VD21	PES		
VD3	MCE		0.45
VD18	PVDF		
VD24	PES		
VD6	MCE		
VD9	Nylon		

	Funnel Capacity		
	150ml	200ml	500ml
Filter Diameter (mm)	50mm	50mm	50mm
Process volume	150ml	200ml	500ml
Hold-up Volume after purge	=3mL	=3mL	=3mL
Maximum Operating Temperature	45	45	45
Fitting Outlet (Thread)	45mm	45mm	45mm
Full Unit Overall height	156mm	200mm	300mm
Housing Material	ABS	ABS	ABS

Product	Code	Packing
MCE Vacuum-driven Filters		
Vacuum-driven Filters	VD1-1NO	1 no
MCE hydrophilic membrane, pore size 0.22 µm, 150 ml volume.	VD1-4NO	4 no
	VD1-12NO	12 no

Product	Code	Packing
Vacuum-driven Filters	VD2-1NO	1 no
MCE hydrophilic membrane, pore size 0.22 µm, 250 ml volume.	VD2-4NO	4 no
	VD2-12NO	12 no
Vacuum-driven Filters	VD3-1NO	1 no
MCE hydrophilic membrane, pore size 0.22 µm, 500 ml volume.	VD3-4NO	4 no
	VD3-12NO	12 no
Vacuum-driven Filters	VD4-1NO	1 no
MCE hydrophilic membrane, pore size 0.45 µm, 150 ml volume.	VD4-4NO	4 no
	VD4-12NO	12 no
Vacuum-driven Filters	VD5-1NO	1 no
MCE hydrophilic membrane, pore size 0.45 µm, 250 ml volume.	VD5-4NO	4 no
	VD5-12NO	12 no
Vacuum-driven Filters	VD6-1NO	1 no
MCE hydrophilic membrane, pore size 0.45 µm, 500 ml volume.	VD6-4NO	4 no
	VD6-12NO	12 no

Product	Code	Packing
Nylon Vacuum-driven Filters		
Vacuum-driven Filters Nylon hydrophilic membrane, pore size 0.45 μm , 150 ml volume.	VD7-1NO VD7-4NO VD7-12NO	1 no 4 no 12 no
Vacuum-driven Filters Nylon hydrophilic membrane, pore size 0.45 μm , 250 ml volume.	VD8-1NO VD8-4NO VD8-12NO	1 no 4 no 12 no
Vacuum-driven Filters Nylon hydrophilic membrane, pore size 0.45 μm , 500 ml volume.	VD9-1NO VD9-4NO VD9-12NO	1 no 4 no 12 no
PVDF Vacuum-driven Filters		
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.10 μm , 150 ml volume.	VD10-1NO VD10-4NO VD10-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.10 μm , 250 ml volume.	VD11-1NO VD11-4NO VD11-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.10 μm , 500 ml volume.	VD12-1NO VD12-4NO VD12-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.22 μm , 150 ml volume.	VD13-1NO VD13-4NO VD13-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.22 μm , 250 ml volume.	VD14-1NO VD14-4NO VD14-12NO	1 no 4 no 12 no

Product	Code	Packing
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.22 μm , 500 ml volume.	VD15-1NO VD15-4NO VD15-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.45 μm , 150 ml volume.	VD16-1NO VD16-4NO VD16-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.45 μm , 250 ml volume.	VD17-1NO VD17-4NO VD17-12NO	1 no 4 no 12 no
Vacuum-driven Filters PVDF hydrophilic membrane, pore size 0.45 μm , 500 ml volume.	VD18-1NO VD18-4NO VD18-12NO	1 no 4 no 12 no
PES Vacuum-driven Filters		
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.22 μm , 150 ml volume.	VD19-1NO VD19-4NO VD19-12NO	1 no 4 no 12 no
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.22 μm , 250 ml volume.	VD20-1NO VD20-4NO VD20-12NO	1 no 4 no 12 no
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.22 μm , 500 ml volume.	VD21-1NO VD21-4NO VD21-12NO	1 no 4 no 12 no
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.22 μm , 1000 ml volume.	VD25-1NO VD25-4NO VD25-12NO	1 no 4 no 12 no
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.45 μm , 150 ml volume.	VD22-1NO VD22-4NO VD22-12NO	1 no 4 no 12 no
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.45 μm , 250 ml volume.	VD23-1NO VD23-4NO VD23-12NO	1 no 4 no 12 no
Vacuum-driven Filters PES hydrophilic membrane, pore size 0.45 μm , 500 ml volume.	VD24-1NO VD24-4NO VD24-12NO	1 no 4 no 12 no

Non-Sterile Filtration Aids

Filtration Membranes

Syringe Driven Filters

Vent Filters

Filtration Membranes

Membrane Type (non-sterile)	Diameter	Pore Size (µm)						
		0.22	0.45	0.8	1.2	3	5	10
Cellulose Acetate (CA)	25mm	–	SF179A	–	–	–	–	–
	47mm	SF180A	SF180B	–	–	SF180C	–	–
	142mm	SF148A	SF148B	–	SF148C	–	–	SF148D
	293mm	SF149A	SF149B	–	SF149C	–	–	–
Cellulose Nitrate (CN)	13mm	SF93A	SF93B	SF93C	SF93D	SF93E	SF93F	SF93G
	25mm	SF94A	SF94B	SF94C	SF94D	SF94E	SF94F	SF94G
	47mm	SF95A	SF95B	SF95C	SF95D	SF95E	SF95F	SF95G
	90mm	SF98A	SF98B	SF98C	SF98D	SF98E	SF98F	SF98G
	142mm	SF99A	SF99B	SF99C	SF99D	SF99E	SF99F	SF99G
	293mm	SF100A	SF100B	SF100C	SF100D	SF100E	SF100F	SF100G
Gridded Cellulose Nitrate (CN)	47mm	SF97A	SF97C	SF97E	–	–	–	–
Cellulose Nitrate (CN) with hydrophobic edge	47mm	–	SF96A	–	–	–	–	–
Mixed Cellulose Esters (MCE)	25mm	–	SF176A	–	–	–	–	–
	47mm	SF177A	SF177B	–	–	SF177C	–	–
	142mm	SF178A	SF178B	–	–	–	–	SF178C
Nylon-66	13mm	SF101A	SF101B	SF101C	–	–	–	–
	25mm	SF102A	SF102B	SF102C	–	–	–	–
	47mm	SF103A	SF103B	SF103D	–	SF103H	SF103J	–
	90mm	SF104A	SF104B	SF104C	–	–	–	–
	142mm	SF105A	SF105B	SF105C	–	–	–	SF105D
	293mm	SF106A	SF106B	SF106C	–	–	–	–
HPLC Grade Nylon-66	13mm	SF101D	SF101E	SF101F	–	–	–	–
	25mm	SF102D	SF102E	SF102F	–	–	–	–
	47mm	SF103E	SF103F	SF103G	–	–	–	–
Polyvinylidene Fluoride (PVDF)	25mm	–	SF181A	–	–	–	–	–
	47mm	SF182A	SF182B	–	–	SF182C	–	–
	142mm	SF183A	SF183B	–	–	–	–	SF183C
Polyether Sulfone (PES)	25mm	–	SF184A	–	–	–	–	–
	47mm	SF185A	SF185B	–	–	SF185C	–	–
	142mm	SF186A	SF186B	–	–	–	–	SF186C
PTFE	293mm	SF224	SF214	–	–	–	–	–
	142mm	SF225	SF221	–	–	–	–	–
	90mm	SF226	SF222	–	–	–	–	–
	47mm	SF227	SF223	–	–	–	–	–

Cellulose Acetate Membranes

Standard Cellulose Acetate Membranes

- Cellulose acetate membrane exhibit low protein binding capacity.
- They are hydrophilic making them suitable for aqueous and alcoholic media.
- Shows improved solvent resistance and high thermal stability with very low adsorption characteristics.
- Ideally suited for general filtration and biological/clinical analysis requiring maximum protein recovery.

Applications

- Filtration of Aqueous Solutions.
- Air/Gas Filtration
- 3 µm, 5 µm - Particle monitoring (Automotive machines)

Pore sizes (µm)	Diameters			
	25mm	47mm	142mm	293mm
0.22	–	SF180A	SF148A	SF149A
0.45	SF179A	SF180B	SF148B	SF149B
1.20	–	–	SF148C	SF149C
3.00	–	SF180C	–	–
10.00	–	–	SF148D	–

Product	Code	Packing
Cellulose Acetate Membranes: Non-sterile		
Cellulose Acetate Membrane Diameter: 25mm, Pore Size: 0.45 μm	SF179A-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 47mm, Pore Size: 0.22 μm	SF180A-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 47mm, Pore Size: 0.45 μm	SF180B-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 47mm, Pore Size: 3 μm	SF180C-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 142mm, Pore Size: 0.22 μm	SF148A-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 142mm, Pore Size: 0.45 μm	SF148B-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 142mm, Pore Size: 1.2 μm	SF148C-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 142mm, Pore Size: 10 μm	SF148D-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 293mm, Pore Size: 0.2 μm	SF149A-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 293mm, Pore Size: 0.45 μm	SF149B-1x100NO	1x100 no
Cellulose Acetate Membrane Diameter: 293mm, Pore Size: 1.2 μm	SF149C-1x100NO	1x100 no

Product	Code	Packing
Cellulose Nitrate Membranes		

Standard Cellulose Nitrate Membranes



- Available in 6 different diameters with 7 different pore sizes
- Cellulose nitrate material assures effective retention with high flow rates
- Fine, uniform pore structure and high, non-specific adsorption
- Can be sterilized by autoclaving as well as dry heat

Applications

- Large pore size ($\geq 1.2\mu\text{m}$) - Cell retention, diagnostic kits, particle retention, clear filtration
- Small pore size ($< 1.2\mu\text{m}$) - Sterile filtration of reagents and liquids
- Sterility testing (bioburden load)
- Water testing

Specifications of Standard Cellulose Nitrate Membranes					
Pore size (μm)	0.22	0.45	0.8	1.2	5
Diameter (mm)	13mm, 25mm, 47mm, 90mm, 142mm, 293mm				
Water Flow Rate (ml/min/cm ²) at $\Delta P=10\text{psi}$, 20°C	20	46	259	364	780
Maximum operating pressure	3 Kg/cm ²				

Pore sizes (μm)	Diameters					
	13mm	25mm	47mm	90mm	142mm	293mm
0.22	SF93A	SF94A	SF95A	SF98A	SF99A	SF100A
0.45	SF93B	SF94B	SF95B	SF98B	SF99B	SF100B
0.80	SF93C	SF94C	SF95C	SF98C	SF99C	SF100C
1.20	SF93D	SF94D	SF95D	SF98D	SF99D	SF100D
3.00	SF93E	SF94E	SF95E	SF98E	SF99E	SF100E
5.00	SF93F	SF94F	SF95F	SF98F	SF99F	SF100F
8.00	SF93G	SF94G	SF95G	SF98G	SF99G	SF100G

Cellulose Nitrate Membranes: Diameter 13mm, Non-sterile

Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 0.22 μm	SF93A-1x100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 0.45 μm	SF93B-1x100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 0.8 μm	SF93C-1x100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 1.2 μm	SF93D-1x100NO	1x100 no

Product	Code	Packing
Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 3.0µm	SF93E-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 5.0µm	SF93F-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 13mm, Pore size: 8.0µm	SF93G-1X100NO	1x100 no
Cellulose Nitrate Membranes: Diameter 25mm, Non-sterile		
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 0.22µm	SF94A-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 0.45µm	SF94B-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 0.8µm	SF94C-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 1.2µm	SF94D-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 3.0µm	SF94E-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 5.0µm	SF94F-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 25mm, Pore size: 8.0µm	SF94G-1X100NO	1x100 no
Cellulose Nitrate Membranes: Diameter 47mm , Non-sterile		
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 0.22µm	SF95A-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 0.45µm	SF95B-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 0.8µm	SF95C-1x100NO	1x100 no

Product	Code	Packing
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 1.2µm	SF95D-1x100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 3.0µm	SF95E-1x100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 5.0µ	SF95F-1x100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 8.0µ	SF95G-1x100NO	1x100 no
Cellulose Nitrate Membranes: Diameter 90mm , Non-sterile		
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 0.22µm	SF98A-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 0.45µm	SF98B-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 0.8µm	SF98C-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 1.2µm	SF98D-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 3.0µm	SF98E-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 5.0µm	SF98F-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 90mm, Pore size: 8.0µm	SF98G-1X100NO	1x100 no
Cellulose Nitrate Membranes: Diameter 142mm , Non-sterile		
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 0.22µm	SF99A-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 0.45µm	SF99B-1X100NO	1x100 no

ACC

Product	Code	Packing
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 0.8µm	SF99C-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 1.2µm	SF99D-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 3.0µm	SF99E-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 5.0µm	SF99F-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 142mm, Pore size: 8.0µm	SF99G-1X100NO	1x100 no

Cellulose Nitrate Membranes: Diameter 293mm, Non-sterile

Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 0.22µm	SF100A-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 0.45µm	SF100B-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 0.8µm	SF100C-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 1.2µm	SF100D-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 3.0µm	SF100E-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 5.0µm	SF100F-1X100NO	1x100 no
Cellulose Nitrate Membrane Diameter: 293mm, Pore size: 8.0µm	SF100G-1X100NO	1x100 no

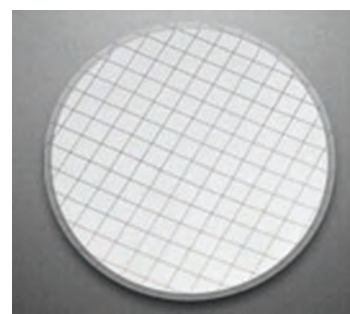
Gridded Cellulose Nitrate Membranes: 47mm, Non-sterile

- Used for microbial testing of water, beverages and food samples
- Grids make counting easier
- Excellent for retention of yeasts and molds

Specifications of Gridded cellulose nitrate membranes			
Pore size (µm)	0.22	0.45	0.8
Diameter (mm)	47mm		
Water Flow Rate (ml/min/cm ²) at ΔP= 10psi, 20°C	20	46	259
Maximum operating pressure	3 Kg/cm ²		
Pore sizes (µm)	Diameters 47mm		
	Bulk packed		
0.22	SF97A		
0.45	SF97C		
0.80	SF97E		

Gridded Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 0.22µm	SF97A-1x100NO	1x100 no
Gridded Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 0.45µm	SF97C-1x100NO	1x100 no
Gridded Cellulose Nitrate Membrane Diameter: 47mm, Pore size: 0.8µm	SF97E-1x100NO	1x100 no

Cellulose Nitrate Membranes with hydrophobic edge: 47mm, Non-sterile



- Used for microbial testing of samples that contain inhibitors such as antibiotics, drugs, disinfectants, etc
- 6mm hydrophobic edge prevents diffusion of inhibitor into hydrophilic portion of membrane
- Complete removal of inhibitor can be achieved during flushing
- Improved sensitivity and reliability due to unaffected microbial growth

Product	Code	Packing
Specifications of Cellulose nitrate membranes with hydrophobic edge		
Pore size (µm)	0.45	
Diameter (mm)	47mm	
Water Flow Rate (ml/min/cm ²) at ΔP=10psi, 20°C	20	
Maximum operating pressure	3 Kg/cm ²	
Cellulose Nitrate Membrane with hydrophobic edge	SF96A-1X100NO	1x100 no
Diameter: 47mm, Pore size: 0.45µm		

MCE membranes

- MCE membranes are naturally low in metal background.
- They are compatible with dilute bases and acids and aromatic and aliphatic hydrocarbons.
- These hydrophilic filters are available in various pore sizes and are autoclavable.

Applications

- Air monitoring
- Clarification
- Particle analysis
- Bacteriological analysis
- Filter Sterilizing

MCE membrane Diameter: 25mm, Pore size: 0.45 µm,	SF176A-1x100NO	1x100 no
MCE membrane Diameter: 47mm, Pore size: 0.22 µm,	SF177A-1x100NO	1x100 no
MCE membrane Diameter: 47mm, Pore size: 0.45 µm,	SF177B-1x100NO	1x100 no
MCE membrane Diameter: 47mm, Pore size: 3.00 µm,	SF177C-1x100NO	1x100 no
MCE membrane Diameter: 142mm, Pore size: 0.22 µm,	SF178A-1x100NO	1x100 no
MCE membrane Diameter: 142mm, Pore size: 0.45 µm,	SF178B-1x100NO	1x100 no
MCE membrane Diameter: 142mm, Pore size: 10 µm,	SF178C-1x100NO	1x100 no

Product	Code	Packing
Nylon-66 membranes		

- Types:
 - 1) Standard : Double layered, hydrophilic and biologically inert
 - 2) HPLC Grade : Hydrophilic, biologically inert, used for HPLC sample preparation
- Available in 6 different diameters each with 3 pore sizes
- Wide chemical compatibility
- Autoclavable
- Non-shedding in nature and free of leachable wetting agents

Applications

- Filtration
- Sterilization
- Filtration of mobile phase in HPLC processes with aqueous, alkaline & organic samples

Specifications of Nylon-66 Membranes						
Pore size (µm)	0.22		0.45		0.8	
Diameter (mm)	13mm, 25mm, 47mm, 90mm, 142mm, 293mm					
Water Flow Rate (ml/min/cm ²) at ΔP=10psi, 20°C	14.5		38.5		125	
Bubble point	52psi	3.65 kg/cm ²	33psi	2.32 kg/cm ²	14psi	0.98 kg/cm ²
Maximum operating pressure	3 Kg/cm ²					

Standard Nylon-66 Membranes

Pore sizes (µm)	Diameters					
	13mm	25mm	47mm	90mm	142mm	293mm
0.22	SF101A	SF102A	SF103A	SF104A	SF105A	SF106A
0.45	SF101B	SF102B	SF103B	SF104B	SF105B	SF106B
0.80	SF101C	SF102C	SF103D	SF104C	SF105C	SF106C
3.00	-	-	SF103H	-	-	-
5.00	-	-	SF103J	-	-	-
10.00	-	-	-	-	SF105D	-

Nylon-66 Membranes, Non-sterile

Nylon-66 Membrane Diameter: 13mm, Pore size: 0.22µm	SF101A-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 13mm, Pore size: 0.45µm	SF101B-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 13mm, Pore size: 0.8µm	SF101C-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 25mm, Pore size: 0.22µm	SF102A-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 25mm, Pore size: 0.45µm	SF102B-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 25mm, Pore size: 0.8µm	SF102C-1x100NO	1x100 no

Product	Code	Packing
Nylon-66 Membrane Diameter: 47mm, Pore size: 0.22µm	SF103A-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 47mm, Pore size: 0.45µm	SF103B-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 47mm, Pore size: 0.8µm	SF103D-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 47mm, Pore size: 3 µm	SF103H-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 47mm, Pore size: 5 µm	SF103J-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 90mm, Pore size: 0.22µm	SF104A-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 90mm, Pore size: 0.45µm	SF104B-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 90mm, Pore size: 0.8µm	SF104C-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 142mm, Pore size: 0.22µm	SF105A-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 142mm, Pore size: 0.45µm	SF105B-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 142mm, Pore size: 0.8µm	SF105C-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 142mm, Pore size: 10 µm	SF105D-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 293mm, Pore size: 0.22µm	SF106A-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 293mm, Pore size: 0.45µm	SF106B-1x100NO	1x100 no
Nylon-66 Membrane Diameter: 293mm, Pore size: 0.8µm	SF106C-1x100NO	1x100 no

HPLC Grade Nylon-66 Membranes

Pore sizes (µm)	Diameters		
	13mm	25mm	47mm
0.22	SF101D	SF102D	SF103E
0.45	SF101E	SF102E	SF103F
0.80	SF101F	SF102F	SF103G

Product	Code	Packing
Nylon-66 Membrane, For HPLC Diameter: 13mm, Pore size: 0.22µm	SF101D-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 13mm, Pore size: 0.45µm	SF101E-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 13mm, Pore size: 0.8µm	SF101F-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 25mm, Pore size: 0.22µm	SF102D-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 25mm, Pore size: 0.45µm	SF102E-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 25mm, Pore size: 0.8µm	SF102F-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 47mm, Pore size: 0.22µm	SF103E-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 47mm, Pore size: 0.45µm	SF103F-1x100NO	1x100 no
Nylon-66 Membrane, For HPLC Diameter: 47mm, Pore size: 0.8µm	SF103G-1x100NO	1x100 no

PVDF Hydrophilic Membranes, Non-sterile

- Polyvinylidene Fluoride (PVDF) Membranes are their extremely low protein binding capacity.
- They are available in multiple pore sizes.
- PVDF membrane filters are mechanically strong, exhibit superior chemical resistance, and high thermal stability.

Applications:

- HPLC - sample & mobile phase filtration
- Filtration of protein-containing solutions
- Mycoplasma reduction
- Filtration of gases
- Venting (hydrophobic PVDF membranes)

PVDF Hydrophilic Membrane Diameter: 25mm, Pore size: 0.45 µm	SF181A-1x100NO	1x100 no
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Product	Code	Packing
PVDF Hydrophilic Membrane Diameter: 47mm, Pore size: 0.22 µm	SF182A-1x100NO	1x100 no
PVDF Hydrophilic Membrane Diameter: 47mm, Pore size: 0.45 µm	SF182B-1x100NO	1x100 no
PVDF Hydrophilic Membrane Diameter: 47mm, Pore size: 3 µm	SF182C-1x100NO	1x100 no
PVDF Hydrophilic Membrane Diameter: 142mm, Pore size: 0.22 µm	SF183A-1x100NO	1x100 no
PVDF Hydrophilic Membrane Diameter: 142mm, Pore size: 0.45 µm	SF183B-1x100NO	1x100 no
PVDF Hydrophilic Membrane Diameter: 142mm, Pore size: 10 µm	SF183C-1x100NO	1x100 no

PES Hydrophilic Membranes, Non-sterile

- PES filter membranes are hydrophilic having low protein binding.
- These filter membranes have the highest filtration capacity.
- Wide range of pore sizes available.
- They are ideal for tissue culture media sterilization, fluid applications and general filtration.

Applications:

- Sterile filtration
- Pharmaceutical filtration
- Bacterial enumeration

PES Membrane Diameter: 25mm, Pore size: 0.45 µm	SF184A-1x100NO	1x100 no
PES Membrane Diameter: 47mm, Pore size: 0.22 µm	SF185A-1x100NO	1x100 no
PES Membrane Diameter: 47mm, Pore size: 0.45 µm	SF185B-1x100NO	1x100 no
PES Membrane Diameter: 47mm, Pore size: 3 µm	SF185C-1x100NO	1x100 no
PES Membrane Diameter: 142mm, Pore size: 0.22 µm	SF186A-1x100NO	1x100 no

Product	Code	Packing
PES Membrane Diameter: 142mm, Pore size: 0.45 µm	SF186B-1x100NO	1x100 no
PES Membrane Diameter: 142mm, Pore size: 10 µm	SF186C-1x100NO	1x100 no

PTFE Polytetrafluoro Ethylene, Hydrophobic Non-sterile

- Hydrophobic in nature
- Compatible with acids and aggressive solutions
- Highly inert
- Available in 0.45 and 0.2 micron pore sizes

Applications

- Filtration of organic solvents and acids
- Venting applications
- Phase separations
- Aerosol sampling
- Oil filtration

PTFE Hydrophobic Membrane Diameter: 293 mm Pore size: 0.45 µm	New SF214-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 142 mm Pore size: 0.45 µm	New SF221-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 90 mm Pore size: 0.45 µm	New SF222-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 47 mm Pore size: 0.45 µm	New SF223-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 293 mm Pore size: 0.22 µm	New SF224-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 142 mm Pore size: 0.22 µm	New SF225-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 90 mm Pore size: 0.22 µm	New SF226-25NO	25 no
PTFE Hydrophobic Membrane Diameter: 47 mm Pore size: 0.22 µm	New SF227-25NO	25 no

Product	Code	Packing
Glass Fibre Prefilters		

- Available in 6 diameters with 2 different pore sizes
- Low hygroscopicity
- Biologically inert with high chemical and thermal resistance
- Unaffected by humidity and can be stored indefinitely
- Effective removal of large volumes of suspended solids from a process and protection of downstream filter membranes from fouling and clogging
- Reduction in cleaning cost

Applications:

- 1.5µm - Clinical specimen filtration
- 2.0µm - Air pollution monitoring
 - Biochemical biological filtration of cells and precipitated proteins
- Scintillation counting
- Radioimmunoassays

Pore sizes (µm)	Diameters						
	25mm	47mm	90mm	127mm	142mm	279mm	293mm
0.22	-	SF188A	-	-	SF189A	-	-
0.45	SF187A	SF188B	-	-	SF189B	-	-
1.50	-	SF115A	SF116A	SF117A	SF118A	SF119A	SF120A
2.00	-	SF115B	SF116B	SF117B	SF118B	SF119B	SF120B
3.00	-	SF188C	-	-	-	-	-
10.00	-	-	-	-	SF189C	-	-

Glass Fiber Prefilter Membrane Diameter: 25mm, Pore size: 0.45 µm	SF187A-1x100NO	1x100 no
Glass Fiber Prefilter Membrane Diameter: 47mm, Pore size: 0.3 µm	SF188A-1x100NO	1x100 no
Glass Fiber Prefilter Membrane Diameter: 47mm, Pore size: 0.45 µm	SF188B-1x100NO	1x100 no
Glass Fibre Prefilter Diameter: 47mm, Pore size: 1.5µm	SF115A-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 47mm, Pore size: 2.0µm	SF115B-1x50NO	1x50 no
Glass Fiber Prefilter Membrane Diameter: 47mm, Pore size: 3 µm	SF188C-1x100NO	1x100 no

Product	Code	Packing
Glass Fibre Prefilter Diameter: 90mm, Pore size: 1.5µm	SF116A-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 90mm, Pore size: 2.0µm	SF116B-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 127mm, Pore size: 1.5µm	SF117A-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 127mm, Pore size: 2.0µm	SF117B-1x50NO	1x50 no
Glass Fiber Membrane Diameter: 142mm, Pore size: 0.22 µm	SF189A-1x100NO	1x100 no
Glass Fiber Membrane Diameter: 142mm, Pore size: 0.45 µm	SF189B-1x100NO	1x100 no
Glass Fibre Prefilter Diameter: 142mm, Pore size: 1.5µm	SF118A-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 142mm, Pore size: 2.0µm	SF118B-1x50NO	1x50 no
Glass Fiber Membrane Diameter: 142mm, Pore size: 10 µm	SF189C-1x100NO	1x100 no
Glass Fibre Prefilter Diameter: 279mm, Pore size: 1.5µm	SF119A-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 279mm, Pore size: 2.0µm	SF119B-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 293mm, Pore size: 1.5µm	SF120A-1x50NO	1x50 no
Glass Fibre Prefilter Diameter: 293mm, Pore size: 2.0µm	SF120B-1x50NO	1x50 no

Product	Code	Packing
Glass Fibre Filter Papers		

- Available as circular discs as well as pre-cut sheets
- Circular membranes available in 4 different diameters
- Biologically inert with high chemical and thermal resistance

Type	Basic Weight (gms/m ²)	Thickness (mm)	Partical Retention Size (Liquid) μm	Pressure Drop @32 LPM/100cm ²
1	53	0.3	1.6	40
2	70	0.44	1.2	40
3	54	0.3	1.2	40

Applications of different types of Glass Fiber Filter papers:

Type 1	Type 2	Type 3
<ul style="list-style-type: none"> • Routine monitoring of air pollution • Chemical analysis of trace pollutants • Liquid scintillation counting 	<ul style="list-style-type: none"> • Specialized monitoring of solid pollutants, micro organisms, oil and smoke air • Air sampling • Binding assays 	<ul style="list-style-type: none"> • Gravimetric determination of air borne particulate matter

Product	Code	Packing
Glass Fibre Filter Papers, Type 1		

- High flow rate
- Efficient collection of fine particles
- High dirt holding capacity
- High stability at varying humidity

Glass Fibre Filter Paper, Type 1 Diameter: 37mm, Thickness: 0.3mm	SF121A-1x100NO	1x100 no
Glass Fibre Filter Paper, Type 1 Diameter: 47mm, Thickness: 0.3mm	SF121B-1x100NO	1x100 no
Glass Fibre Filter Paper, Type 1 Diameter: 110mm, Thickness: 0.3mm	SF121C-1x100NO	1x100 no
Glass Fibre Filter Paper, Type 1 Diameter: 125mm, Thickness: 0.3mm	SF121D-1x100NO	1x100 no
Glass Fibre Filter Paper, Type 1 Dimensions: 8" x 10", Thickness: 0.3mm	SF121E-1x100NO	1x100 no

Product	Code	Packing
Glass Fibre Filter Papers, Type 2		

- Manufactured from 100% pure borosilicate glass of special purity
- High retention efficiency
- High dirt holding capacity

Glass Fibre Filter Paper, Type 2 Dimensions: 8" x 10"	SF122-1x100NO	1x100 no
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Product	Code	Packing
Glass Fibre Filter Papers, Type 3		

- High flow rate
- Biologically inert
- High dirt holding capacity

Diameter / Dimensions	Type 1 Code	Type 2 Code	Type 3 Code
37mm	SF121A	-	SF123A
47mm	SF121B	-	SF123B
110mm	SF121C	-	SF123C
125mm	SF121D	-	SF123D
8" x 10"	SF121E	SF122	SF123E

Glass Fibre Filter Paper, Type 3 Diameter: 37mm	SF123A-1x100NO	1x100 no
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Glass Fibre Filter Paper, Type 3 Diameter: 47mm	SF123B-1x100NO	1x100 no
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Glass Fibre Filter Paper, Type 3 Diameter: 110mm	SF123C-1x100NO	1x100 no
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Glass Fibre Filter Paper, Type 3 Diameter: 125mm	SF123D-1x100NO	1x100 no
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Glass Fibre Filter Paper, Type 3 Dimensions: 8" x 10"	SF123E-1x100NO	1x100 no
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Blotting Membranes

Nitrocellulose Blotting Membranes

- Available in pre-cut sheets and rolls with two different pore sizes
- Uniform pore structure
- Compatible with colorimetric and radiolabeling detection methods
- Molecular fixation by baking, drying, alkali treatment and UV crosslinking is possible
- High strength and durability, preventing distortion or contamination in multiple reprobings
- Capable of binding wide range of fragment sizes
- Inherently charged

Applications

- Northern and Southern blotting
- Electrotransfer
- Capillary blot

Specifications of Nitrocellulose blotting membranes

Pore size (μm)	0.22	0.45
Dimensions (cm x cm)	15x15, 20x20, 30x30, 30x300	

Pore sizes (μm)	Pre-cut Sheets Dimensions (cm x cm)			Rolls Dimensions (cm x m)
	15 x 15	20 x 20	30 x 30	30cm x 3m
0.22	SF107A	SF108A	SF109A	SF110A
0.45	SF107B	SF108B	SF109B	SF110B

Product

Code

Packing

Nitrocellulose Blotting Membrane pre-cut sheets

Nitrocellulose Blotting Membrane	Code	Packing
Nitrocellulose Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.22μm	SF107A-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.45μm	SF107B-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 20cm x 20cm, Pore size: 0.22μm	SF108A-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 20cm x 20cm, Pore size: 0.45μm	SF108B-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 30cm x 30cm, Pore size: 0.22μm	SF109A-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 30cm x 30cm, Pore size: 0.45μm	SF109B-1x25NO	1x25 no

Product

Code

Packing

Nitrocellulose Blotting Membrane Rolls

Nitrocellulose Blotting Membrane Roll	Code	Packing
Nitrocellulose Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.22μm	SF110A-1 ROLL	1 roll
Nitrocellulose Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.45μm	SF110B-1 ROLL	1 roll

Nylon-66 Blotting Membranes



- Available in pre-cut sheets and rolls with two different pore sizes
- Uniform pore structure
- Compatible with colorimetric, radiolabeled, chemiluminescent, fluorescent and staining detection methods
- Molecular fixation by baking and drying is possible
- Can be easily blocked by normal blocking methods
- High signal to noise ratio
- High strength offers ease of handling

Applications

- Protein binding
- Nucleic acid blotting
- Dot-Blot screening
- Colony/ Plaque screening

Specifications of Nylon-66 blotting membranes

Pore size (μm)	0.22	0.45
Dimensions (cm x cm)	15x15, 20x20, 30x30, 30x3m	

Pore sizes (μm)	Pre-cut Sheets Dimensions (cm x cm)			Rolls Dimensions (cm x m)
	15 x 15	20 x 20	30 x 30	30cm x 3m
0.22	SF111A	SF112A	SF113A	SF114A
0.45	SF111B	SF112B	SF113B	SF114B

Nylon-66 Blotting Membrane pre-cut sheets

Nylon-66 Blotting Membrane	Code	Packing
Nylon-66 Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.22μm	SF111A-1x25NO	1x25 no
Nylon-66 Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.45μm	SF111B-1x25NO	1x25 no

Product	Code	Packing
Nylon-66 Blotting Membrane Dimensions: 20cm x 20cm, Pore size: 0.22µm	SF112A-1x25NO	1x25 no
Nylon-66 Blotting Membrane Dimensions: 20cm x 20cm, Pore size: 0.45µm	SF112B-1x25NO	1x25 no
Nylon-66 Blotting Membrane Dimensions: 30cm x 30cm, Pore size: 0.22µm	SF113A-1x25NO	1x25 no
Nylon-66 Blotting Membrane Dimensions: 30cm x 30cm, Pore size: 0.45µm	SF113B-1x25NO	1x25 no

Nylon-66 Blotting Membrane Rolls

Nylon-66 Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.22µm	SF114A-1ROLL	1 roll
Nylon-66 Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.45µm	SF114B-1ROLL	1 roll

Selection Chart for Blotting Membranes		
Membrane Type	Cellulose nitrate	Nylon-66
Biomolecules		
Nucleic Acids	R	HR
Proteins	R	R
Transfer Method		
Dot Blot	R	R
Colony or Plaque Lift	HR	R
Electrotransfer	R*	HR
Capillary Blot	R	R
Vaccum Blot	R	R
Alkaline Transfer	NR	R
Molecule Fixation		
Baking	R	R
Drying	R	R
UV Crosslinking	P	HR
Alkali Fixation	NR	R
Molecule Removal	NR	NR
Detection Method		
Colorimetric	HR	R
Radiolabeled	R	R
Luminescent	R	P
Fluorescent	R	P
Staining	R	P
Reprobing		
Once	NR	R
Multiple	NR	R

Key: HR = Highly Recommended R = Recommended P = Possible
R* = Recommended for Proteins only NR = Not Recommended

Filtration Membranes

Applications as per membrane chemistry

Membrane types	Pore size	Application
Nylon-66	0.22 µm	Sterile filtration, HPLC sample preparation, solvent filtration
	0.22 to 1.2 µm	Particle removal and clarification, solvent filtration, particle analysis, paint monitoring & automotive cleanliness analysis
	0.45 µm	Clarification of aqueous solutions, particle removal & analysis, preparation of aqueous & organic solutions prior to chromatography
PVDF	0.22 µm	Preparation of protein-containing solutions prior to chromatography, particle removal from aqueous & mild organic solutions, sterile filtration of tissue culture media, protein & DNA solutions
	0.1 µm	General filtration, particle separation, protein clarification and sterile filtration, Ultra-low protein binding assays, sterile filtration of tissue culture media, protein solutions or aqueous solutions.
PTFE	0.45 µm	HPLC solvents, solid-phase synthesis, sample recovery & peptide synthesis.
	0.22 µm	Analytical sample preparation, clarification of aqueous & organic solutions with high particulate levels.
PES	0.22 µm	Preparation of aqueous solutions prior to chromatography, vacuum filtration of tissue culture media, serum, buffers, or other biological solutions.
	0.45 µm	Receptor binding assays on whole cells and cell fragments, protein kinase/phosphatase precipitation assays & bead/resin based assays
MCE	0.45 µm	Analytical & research applications
CA	0.22 µm	Sterilization, sterility testing, final filtration of protein samples for HPLC, GC & others.
	0.45 µm	Analysis of bacteria, sterility testing, clarification & pre-filtration.

Syringe-Driven Filters, Non-Sterile

Syringe-driven Filters (non-sterile)	Diameter (mm)	Pore Size (µm)			
		with prefilter		without prefilter	
		0.22	0.45	0.22	0.45
Cellulose Acetate (CA)	30	–	–	SF160	SF161
Mixed Cellulose Esters (MCE)	30	–	–	SF162	SF163
Nylon-66	13	–	–	SF216	–
	25	SF128	SF129	SF126	–
	30	–	–	SF152	SF153
Polyvinylidene Fluoride (PVDF)	13	–	SF212	–	SF213
	25	SF130	SF131	–	–
	30	–	–	SF154	SF155
Polytetrafluoroethylene (PTFE)	25	SF132	SF133	–	–
	30	–	–	SF156	SF157
Polyether Sulfone (PES)	25	SF134	SF135	–	–
	30	–	–	SF158	SF159

Product

Code

Packing

Ideal for sample preparation

Application:

- Aqueous samples (hydrophilic molecules)
- QC analysis of fluid holding, article collection and analysis
- Sample preparation in HPLC and GC
- Reliable removal of particles and microorganisms from liquids and gases
- Available with prefilter for high particulate sample filtration

Cellulose Acetate Syringe-driven Filters

- Sterilize by autoclaving

Syringe-driven Filters	SF160-1x250NO	1x250 no
Cellulose Acetate, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	SF160-4x250NO	4x250 no
Syringe-driven Filters	SF161-1x250NO	1x250 no
Cellulose Acetate, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	SF161-4x250NO	4x250 no

Mixed Cellulose Esters Syringe-driven Filters

- Sterilize by autoclaving

Syringe-driven Filters	SF162-1x250NO	1x250 no
MCE, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	SF162-4x250NO	4x250 no
Syringe-driven Filters	SF163-1x250NO	1x250 no
MCE, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	SF163-4x250NO	4x250 no

Product

Code

Packing

Nylon Syringe-driven Filters

- Sterilize by autoclaving

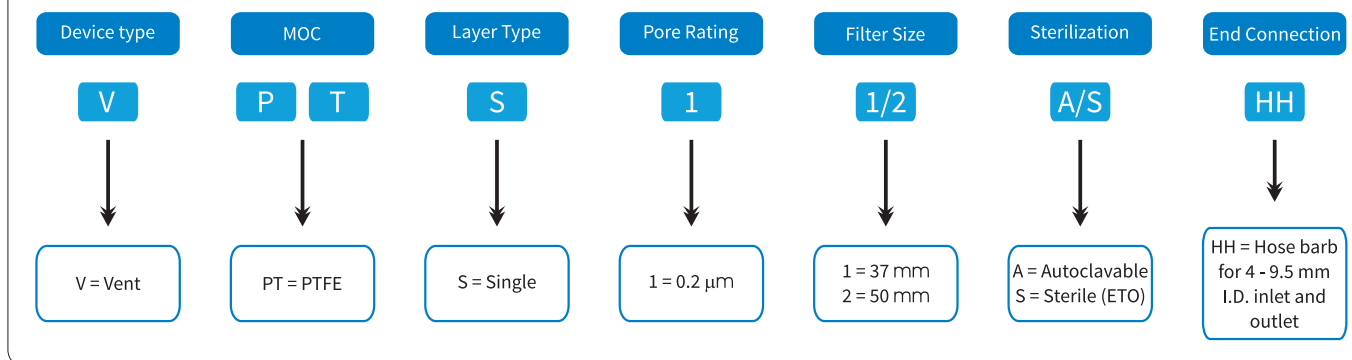
Syringe-driven Filters New	SF216-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 13 mm diameter, without prefilter, Non-sterile	SF216-4x250NO	4x250 no
Syringe-driven Filters	SF126-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, without prefilter, Non-sterile	SF126-4x250NO	4x250 no
Syringe-driven Filters	SF128-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, with prefilter , Non-sterile	SF128-4x250NO	4x250 no
Syringe-driven Filters	SF129-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, with prefilter , Non-sterile	SF129-4x250NO	4x250 no
Syringe-driven Filters	SF152-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	SF152-4x250NO	4x250 no
Syringe-driven Filters	SF1002-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size 0.45 µm, 25mm diameter without prefilter, Non-Sterile	SF1002-4x250NO	4x250 no
Syringe-driven Filters	SF153-1x250NO	1x250 no
Nylon-66, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	SF153-4x250NO	4x250 no

Product	Code	Packing
PVDF Syringe-driven Filters		
<ul style="list-style-type: none"> Sterilize by autoclaving 		
Syringe-driven Filters PVDF hydrophilic membrane, Pore size: 0.45µm, 13 mm diameter, with prefilter , Non-sterile	New SF212-1x50NO SF212-1x100NO	1x50 no 1x100 no
Syringe-driven Filters PVDF hydrophilic membrane, Pore size: 0.45µm, 13 mm diameter, without prefilter, Non-sterile	New SF213-1x50NO SF213-1x100NO	1x50 no 1x100 no
Syringe-driven Filters PVDF hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, with prefilter , Non-sterile	SF130-1x250NO SF130-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PVDF hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, with prefilter , Non-sterile	SF131-1x250NO SF131-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PVDF, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	SF154-1x250 SF154-4x250	1x250 no 4x250 no
Syringe-driven Filters PVDF, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	SF155-1x250NO SF155-4x250NO	1x250 no 4x250 no
PTFE Syringe-driven Filters		
Syringe-driven Filters PTFE hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, with prefilter , Non-sterile	SF132-1x250NO SF132-4x250NO	1x250 no 4x250 no

Product	Code	Packing
Syringe-driven Filters PTFE hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, with prefilter , Non-sterile	SF133-1x250NO SF133-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PTFE, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	SF156-1x250NO SF156-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PTFE, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	SF157-1x250NO SF157-4x250NO	1x250 no 4x250 no
PES Syringe-driven Filters		
Syringe-driven Filters PES hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, with prefilter , Non-sterile	SF134-1x250NO SF134-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PES hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, with prefilter , Non-sterile	SF135-1x250NO SF135-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PES, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	SF158-1x250NO SF158-4x250NO	1x250 no 4x250 no
Syringe-driven Filters PES, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	SF159-1x250NO SF159-4x250NO	1x250 no 4x250 no

Vent Filters

Ordering Information



Product	Code	Packing
PTFE Vent Filters		



Applications

- Nitrogen blanketing in SVP
- Venting of sterile collection vessels
- Venting of small bioreactors
- Sterile air for cell factories
- Filtration of IPA / Disinfecting agents

PTFE Vent Filters (Non-Sterile)		
PTFE Vent Filter Membrane: PTFE, Pore size: 0.2 μm, Diameter: 37 mm, Autoclavable, w/ HB inlet and outlet	New VPTS11AHH-1x10NO	1x10 no
	VPTS11AHH-1x50NO	1x50 no
	VPTS11AHH-1x100NO	1x100 no

Product	Code	Packing
PTFE Vent Filter Membrane: PTFE, Pore size: 0.2 μm, Diameter: 50 mm, Autoclavable, w/ HB inlet and outlet	New VPTS12AHH-1x10NO	1x10 no
	VPTS12AHH-1x50NO	1x50 no
	VPTS12AHH-1x100NO	1x100 no

PTFE Vent Filters (Sterile)		
PTFE Vent Filter Membrane: PTFE, Pore size: 0.2 μm, Diameter: 37 mm, Sterile, w/ HB inlet and outlet	New VPTS11SHH-1x10NO	1x10 no
	VPTS11SHH-1x50NO	1x50 no
	VPTS11SHH-1x100NO	1x100 no
PTFE Vent Filter Membrane: PTFE, Pore size: 0.2 μm, Diameter: 50 mm, Sterile, w/ HB inlet and outlet	New VPTS12SHH-1x10NO	1x10 no
	VPTS12SHH-1x50NO	1x50 no
	VPTS12SHH-1x100NO	1x100 no

Filtration Systems

Filter Holders

Manifold System

H-Filtration Funnel

Filtration Assembly

Filter Holders



A simple membrane filtration assembly for small volume filtration using syringe

- Made up of stainless steel 316 and specially designed for leak proof sealing
- Stainless steel support screen to avoid breakage of membrane against high differential pressure
- Complete unit can be autoclaved with membrane in place
- S.S filter holders available in two diameters - 13mm and 25mm
- Polyacetal filter holders available in three diameter - 13mm, 25mm, 47mm

Applications

- Microfiltration of highly aggressive chemicals and microbiological samples
- Sterilization of HPLC samples, eyewash samples, buffers, sera, photoresists, plant extract, etc

Diameter (mm)	Stainless Steel	Polyacetal
13	SF75	SF93
25	SF76	SF94
47	-	SF95

Product	Code	Packing
Stainless Steel Filter Holders		
S. S. Syringe Filter Holder 13mm diameter	SF75-1N0	1 no
S.S. Syringe Filter Holder 25mm diameter	SF76-1N0	1 no
Polyacetal Syringe Filter Holders		
Polyacetal Syringe Filter Holder 13mm diameter, autoclavable	SF93-1N0	1 no
Polyacetal Syringe Filter Holder 25mm diameter, autoclavable	SF94-1N0	1 no
Polyacetal Syringe Filter Holder 47mm diameter, autoclavable	SF95-1N0	1 no

S. S. Inline Pressure Filter Holder



Stainless steel filter holder for pressure filter applications

- Made up of stainless steel 316
- Locknut type filter holder allows changing of filter membrane without removal of the filter holder during in-line pressure filtration
- Available for low and high pressure applications
- The complete unit can be autoclaved with membrane in place
- S.S filter holders available in two diameters - 25mm and 47mm

Applications:

- Microfiltration of strong chemicals and microbiological samples.
- Sterilization of gases and liquids

Diameter (mm)	Locknut	High pressure
25	SF77	-
47	SF78	SF79

Product	Code	Packing
S.S. Inline Pressure Filter Holder, Locknut type 25mm diameter	SF77-1N0	1 no
S.S. Inline Pressure Filter Holder, Locknut type 47mm diameter	SF78-1N0	1 no
S.S. Inline Pressure Filter Holder, High pressure 47mm diameter	SF79-1N0	1 no
Inline Filter Holder MOC: Stainless steel, Diameter: 47mm, Overall Length: 3.88 inches, Overall Diameter: 60mm	SF196-1N0	1 no
Inline Filter Holder, High pressure MOC: Stainless steel, Diameter: 47mm, Overall Length: 3.88 inches, Overall Diameter: 2.8 inch, Hose Barb connection: 8mm	SF197-1N0	1 no

S. S. Sterility Test Filter Holder



Ultra light weight stainless steel filter holder with funnel for vacuum filter applications

- Stainless steel 316 funnel, lid, base and support screen
- Stainless steel 304 spring clamp and silicone stopper
- Unique stainless steel support screen to avoid rupture of membrane disc during filtration
- Standard silicone rubber stopper for mounting filtration assembly on 1L filtration flask or on SS Sterility Test Manifold System
- Complete unit can be autoclaved with membrane in place
- Available in three diameters -13mm, 25mm and 47mm and four volume capacities - 15ml, 300ml, 500ml and 1000ml

Applications:

- Sterility testing of antibiotics and pharmaceuticals
- Vacuum filtration of biomass, waste water and particulate contamination analysis
- Microbiological analysis of retained particles
- Yeast and mold detection
- Vacuum filtration of solvents and aqueous solutions

Diameter (mm)	13	25	47		
Volume (ml)	15	150	300	500	1000
Codes	SF80	SF81	SF82	SF83	SF84

Product	Code	Packing
S.S. Sterility test Filter Holder 13mm diameter for 15ml	SF80-1N0	1 no
S.S. Sterility test Filter Holder 25mm diameter for 150ml	SF81-1N0	1 no
S.S. Sterility test Filter Holder 47 mm diameter for 300ml	SF82-1N0	1 no
S.S. Sterility test Filter Holder 47mm diameter for 500ml	SF83-1N0	1 no
S.S. Sterility test Filter Holder 47mm diameter for 1000ml	SF84-1N0	1 no

S. S Sterility Test Manifold System



An integrated filtration system for filtering multiple samples using single vacuum source

- Made of stainless steel 316
- Rugged side supports keep the system rigid and firm even when fully loaded
- Available with 3 stations and 6 stations

Applications:

- Sterility testing of antibiotics and pharmaceuticals
- Vacuum filtration of biomass, waste water and particulate contamination analysis
- Microbiological analysis of retained particles
- Yeast and mold detection
- Vacuum filtration of solvents and aqueous solutions

No. of stations	Codes
3	SF85
6	SF86

Product	Code	Packing
S.S. Sterility Test Manifold System With 3 Station without holders	SF85-1N0	1 no
S.S. Sterility Test Manifold System With 3 Station without holders, Filter head: Detachable, screw with holder	New SF85A1-1N0	1 no
S.S. Sterility Test Manifold System With 6 Station without holders	SF86-1N0	1 no
S.S. Sterility Test Manifold System With 6 Station without holders, Filter head: Detachable, screw with holder	New SF86A1-1N0	1 no

Product	Code	Packing
S.S Inline Process Filter Holder		



SF89

A reliable and convenient device for large volume filtration process

- Made of stainless steel 316
- Provided with stainless steel support screen and integrity tester
- Complete unit can be autoclaved with membrane in place
- Available in three diameters - 90mm, 142mm and 293mm

Applications:

- Large volume process filtration of pharmaceuticals
- Sterilization of tissue culture media and blood plasma fractions
- Sterilizing large volume of fluids, gases and hazardous acids and solvents

Diameter (mm)	Without integrity tester	With integrity tester
90	SF87	SF88
142	SF89	SF90
293	SF91	SF92

Product	Code	Packing
S.S. Inline Process Filter Holder 90mm	SF87-1N0	1 no
S.S. Inline Process Filter Holder, With Integrity Tester 90mm	SF88-1N0	1 no
S.S. Inline Process Filter Holder 142mm	SF89-1N0	1 no
S.S. Inline Process Filter Holder, With Integrity Tester 142mm	SF90-1N0	1 no
S.S. Inline Process Filter Holder 293mm	SF91-1N0	1 no
S.S. Inline Process Filter Holder, With Integrity Tester 293mm	SF92-1N0	1 no

H-Filtration Funnel

INTRODUCING

H-Filtration Funnel - SF191



Easy to Use Sterilized filtration cups

The SF191 Filtration Cups are single use filtration units which are gamma sterilized and individually packed to eliminate risk of contamination and provide accurate results. They come with filter membrane.

This unit is compatible with SF85A1 and SF86A1 manifold and with other manifolds available in the market.

Applications: Bioburden testing of water, in-process samples, and final products.

Product Highlights

- Easy one hand handling
- Sterile and disposable - eliminate the risk of contamination.
- Time saving
- Volume graduations on 2 sides for ease in measuring your sample volume
- Groves on side of the cups for holding
- Cups can be stacked to save space
- Forceps groves on 2 sides for easy lifting of filter membrane.
- Filter cup Lid converts into a Petri dish
- Available with cellulose nitrate gridded, PVDF and MCE

Traceability: A unique lot no is printed on each pouch containing H-funnel to ensure complete traceability.

Packing: H-funnel are gamma sterilised with individual packing.

Product Description	Kit Components	Product Code	Price in ₹
47mm Filtration Funnel			
SF191 series	Cellulose Nitrate Membrane (Gridded)	SF191	On Request
	MCE Membrane	SF191M	On Request
includes • Filtration funnel: 47mm, 125ml • Gamma sterilized	Cellulose Nitrate Membrane (Non-Gridded)	SF191H	On Request
	PVDF Membrane	SF191P	On Request
includes • Filtration funnel: 47mm, 125ml • ETO sterilized	Cellulose Nitrate Membrane	SF191E	On Request

Product	Code	Packing
Filtration Funnels		

Ready-to-use sterile disposable funnel



- The disposable funnel is the ideal combination of reliability and time saving.
- Easy positioning and removal of the membrane filter, ensuring secure lock-down.
- Ready-to-use: Simply change the funnel, rather than spending time autoclaving it.

Filtration Funnel: 47mm, Polypropylene w/ Cellulose nitrate membrane Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml Support screen: Cellulose pad 2. Cellulose Nitrate Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	SF190-180NO	180 no
Filtration Funnel: 47mm, Polypropylene w/ MCE membrane Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml 2. MCE Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	SF190M-180NO	180 no

Product	Code	Packing
Filtration Funnel: 47mm, Polypropylene w/ Non-Gridded Cellulose Nitrate membrane Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml 2. Non-Gridded Cellulose Nitrate Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	SF190H-180NO	180 no
Filtration Funnel: 47mm, Polypropylene w/ PVDF membrane Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml 2. PVDF Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	SF190P-180NO	180 no
Filtration Funnel: 47mm, Polypropylene w/ Cellulose nitrate membrane Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125mL Support screen: Cellulose pad 2. Cellulose Nitrate Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, ETO sterilized	SF190E-180NO	180 no
Filtration Funnel: 47mm, Polysulfone Components: 1. Filtration Funnel Material of construction: Polysulfone Diameter: 47mm Capacity: 300ml 2. Stop cork Material of construction: Silicon Size: No#8 Autoclavable at 121°C for 15 minutes	SF190A-1NO	1 no

Filtration Assembly

Ergonomically designed high throughput filtration system



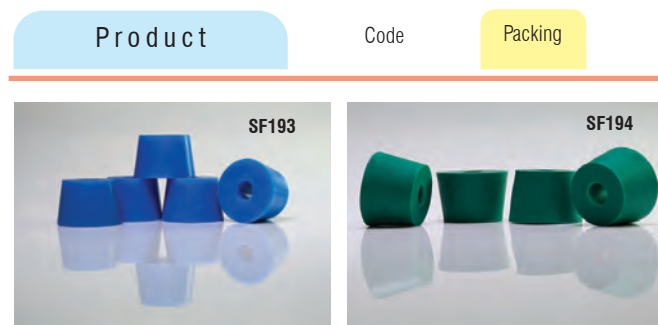
Product Description	Kit Components	Product Code	Price in ₹
47mm Filtration Assembly			
Filtration Assembly 47mm, Stainless Steel (Autoclavable)	Includes Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF198A	63140
Filtration Assembly 47mm, Glass (Autoclavable)	Includes Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF199A	51580
Filtration Assembly 47mm, Polypropylene (Autoclavable)	Includes Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF200A	33350
142mm Filtration Assembly			
Filtration Assembly 142mm, Stainless Steel (Autoclavable)	Includes Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF202A	155935
Stainless Steel, 3 Station Manifold Assembly			
SF85 series 3 Station Manifold Assembly (Autoclavable)	Includes 3 Station Manifold System, Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM	SF85A	121960
	Includes 3 Station Manifold System, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM, Filter head w/ detachable screw holder	SF85A1A	121960
Stainless Steel, 6 Station Manifold Assembly			
SF86 series 6 Station Manifold Assembly (Autoclavable)	Includes 6 Station Manifold System, Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM 1000ml receiver flask	SF86A	195470
	Includes 6 Station Manifold System, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM, Filter head w/ detachable screw holder	SF86A1A	195470

Note : All assemblies available with 2000ml and 5000ml receiver flask.

Product	Code	Packing
Filtration Accessories		
Adapter Kit - 1 New SF221-1NO Stop cork: Moc: neoprene/silicon Size: #8 Connector: female lure, silicon tube Autoclavable		1 no
Adapter Kit - 2 New SF222-1NO Stop cork: Moc: neoprene/silicon Size: #10 Connector: female lure, silicon tube Autoclavable		1 no
Vacuum Trap Assembly SF195-1NO Components: 1. Receiver flask: 1 no Material of Construction: Borosilicate Glass Capacity: 1000mL 2. Suction Lances Material of Construction: Stainless Steel 3. Stop Cork: 1 no Material of Construction: Neoprene Rubber Size: No #8 4. Silicon Tube: 1 no Diameter: 10 x 8 mm Length: 1.5 meter		1 no



Duck Clamp SF192-1NO MOC : Aluminum (Anodized), Diameter: 47mm		1 no
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Stop Cork, Silicon SF193-10NO Size: No #8		10 no
Stop Cork, Neoprene SF194-10NO Size: No #8		10 no
Stop Cork, Silicon New SF218-5NO Size: #10		5 no
Stop Cork, Neoprene New SF219-5NO Size: #10		5 no
Dispensing Pressue Vessel New SF215-1NO Size: 5 L with 47 mm disc holder, 1 - SS forcep		1 no
Dispensing Pressue Vessel New SF220-1NO Size: 10 L with 47 mm disc holder, 1 - SS forcep		1 no
Vacuum Pump (15 LPM) with Hose tube SF201-1NO MOC: Aluminium Max. flow rate: 15L/min		1 no
Vacuum Pump (75 LPM) with Hose tube SF203-1NO MOC: Aluminium Max. flow rate: 75L/min		1 no
Receiver Flask New SF205-1NO Moc: glass Volume: 1000 ml		1 no
Receiver Flask New SF206-1NO Moc: glass Volume: 2000 ml		1 no
HiVac - 300 Vacuum Pump LA1080-1NO Oil-Free Piston Vacuum Pump		1 no
HiVac - 400 Vacuum Pump LA1081-1NO Oil-Free Piston Vacuum Pump		1 no

For more details of LA1080 and LA1081 refer page no. 729

Chemical Compatibility Guide

Membrane types	Membranes						
	Cellulose Nitrate	PTFE	Nylon-66	PVDF	Cellulose Acetate	MCE	PES
Solvents							
Amyl Alcohols, Butanol	F	G	G	G	F	N	G
Ammonium sulphate	ND	G	G	N	ND	N	ND
Benzyl Alcohol	N	G	G	G	F	N	ND
Benzyl Alcohol 4%	F	G	G	G	ND	ND	ND
Boric Acid	G	G	F	G	G	G	ND
Butyl alcohol	G	G	G	G	G	G	G
Diethyl Ether	N	ND	G	ND	F	N	G
Dimethyl Formamide	N	F	G	N	N	N	N
Ethanol 98%	N	G	G	G	N	N	G
Ethanol 70%	ND	G	G	G	F	ND	G
Ethylene Glycol	N	G	G	G	F	N	G
Glycerol	ND	G	G	G	F	G	G
Hexane	G	G	G	G	F	G	N
Iso Propyl Alcohol	G	G	G	G	F	N	G
Iso butyl alcohol	ND	G	ND	G	ND	G	G
Methanol 98%	N	G	G	G	N	N	G
Nitrobenzene	N	G	F	G	N	G	N
n-Butanol	G	F	G	G	F	G	ND
Peanut Oil	G	ND	G	ND	ND	ND	ND
Pentane	G	G	G	G	G	G	G
Propylene glycol	ND	G	G	G	F	ND	G
Paraldehyde	ND	G	G	ND	ND	N	ND
Sodium chloride	G	G	G	G	G	G	ND
Sodium carbonate	G	G	ND	G	G	G	ND
Tetrahydrofuran/Water (50:50)	N	F	G	N	ND	ND	ND
Urea, 8M	ND	G	G	G	ND	G	ND
Acids							
Acetic Acid Glacial	N	G	G	G	N	N	G
Acetic Acid 25%	ND	G	N	G	N	ND	G
Formic Acid 25%	F	G	N	G	F	ND	ND
Hydrochloric Acid Concentrated	N	G	N	G	N	N	G
Hydrochloric Acid 37%	N	G	N	ND	N	N	N
Hydrochloric Acid 10%	G	G	G	F	F	F	G
Hydrofluoric acid	N	G	N	G	N	N	ND
Lactic acid, 50%	ND	G	ND	ND	ND	ND	ND
Nitric Acid Concentrated	N	G	N	G	N	N	N
Nitric Acid 6N, 38%	N	G	N	G	N	N	G
Nitric Acid 67%	N	ND	N	N	N	ND	ND
Nitric Acid 7%	G	G	G	G	ND	ND	ND
Phosphoric Acid 25%	ND	G	N	G	F	ND	ND
Sulphuric Acid Concentrated	N	G	N	N	N	N	N
Sulphuric acid 25%	ND	G	N	G	N	ND	G
Sulphuric Acid 10%	G	G	G	ND	ND	ND	ND
Trichloroacetic Acid 10%	ND	G	ND	ND	N	N	ND
Bases							
Ammonium Hydroxide 25%	N	G	G	N	N	N	G
Sodium hydroxide concentrated	ND	G	N	G	ND	N	G
Sodium Hydroxide 3 Normal	ND	G	G	G	N	N	G
Sodium Hydroxide 32%	N	G	G	G	N	ND	G
Potassium Hydroxide 32%	N	G	N	G	ND	N	ND

Chemical Compatibility Guide

Membrane types	Membranes						
	Cellulose Nitrate	PTFE	Nylon-66	PVDF	Cellulose Acetate	MCE	PES
Hydrocarbons							
Benzene	G	G	F	G	G	G	G
Hexane, Xylene	G	G	G	G	F	G	N
Toluene	F	G	G	G	F	G	N
Kerosene, Gasoline	ND	G	G	F	F	G	F
Tetralin, Decalin	ND	G	ND	ND	N	ND	ND
Hydrocarbons halogenated							
Chloroform	G	G	G	N	N	G	N
Carbon tetrachloride	G	G	G	F	N	G	F
Methylene Chloride	F	G	F	N	N	N	N
Monochlorobenzene, freon	G	G	G	F	N	G	F
Trichloroethane	G	G	F	G	ND	N	N
Trichloroethylene	G	G	G	N	ND	N	N
Ketones							
Acetone	N	G	G	N	N	N	N
Cyclohexanone	N	G	G	N	N	N	N
Methyl Ethyl Ketone	N	G	G	N	N	N	N
Methyl Isobutyl Ketone	ND	G	ND	N	N	N	N
Isopropyl acetone	ND	G	G	N	ND	ND	N
Esters							
Amyl acetate	N	G	G	F	N	N	F
Benzyl benzoate	ND	G	G	N	ND	ND	N
Butyl acetate	ND	ND	ND	ND	N	N	N
2-ethoxyethyl acetate	ND	G	N	N	ND	ND	N
Ethyl glycol ether	ND	G	G	ND	ND	N	G
Ethyl acetate & methyl acetate	N	G	G	N	N	N	N
Isopropyl myristate	ND	G	G	N	ND	ND	N
Methyl cellosolve acetate	ND	G	N	N	N	ND	N
Petroleum ether	ND	G	G	G	ND	G	ND
Propyl acetate	ND	G	G	N	F	N	N
Propylene glycol acetate	ND	G	N	N	ND	ND	N
Tricresyl phosphate	ND	G	ND	N	ND	ND	N
Oxides-Esters							
Dioxane & tetrahydrofuran	N	G	N	N	N	N	N
Dimethylsulfoxide (DMSO)	N	G	N	N	N	N	N
Ethyl ether	ND	G	G	N	F	ND	G
Isopropyl ether	ND	G	G	N	ND	ND	G
Solvents with nitrogen							
Acetonitrile	N	G	G	N	N	N	N
Aniline	ND	G	ND	ND	N	ND	ND
Dimethyl formamide	N	G	F	N	N	N	N
Diethylacetamide	N	G	G	ND	N	N	ND
Triethanolamine	ND	G	G	ND	ND	ND	ND
Pyridine	N	G	G	N	N	N	N
Miscellaneous							
Formaldehyde solution 30%	G	G	G	G	F	N	G
Phenol, aqueous, 10%	G	G	ND	N	ND	G	N
Hydrogen peroxide 30%	ND	G	G	ND	N	N	ND
Silicone oil & mineral oil	ND	G	ND	G	G	G	G
Sodium dodecyl sulfate	ND	ND	ND	ND	ND	G	ND
Tween 20	ND	G	ND	ND	ND	G	ND
Water	G	G	G	G	G	G	G



HiMedia introduces a range of advanced instruments that will make your research easy and affordable

ADVANCED INSTRUMENTATION

Product	Prefix	Page
Automated Cell Counters	AI	565-567
Inverted microscopes	AI	568-569
CO ₂ Incubators	AI	570-572

Advanced Instrumentation

Equipment, supplies and analytical instruments are important aspects of cell culture laboratory and are relied on for sensitive detection of cellular events. As the technology has advanced, so has the laboratory environment.

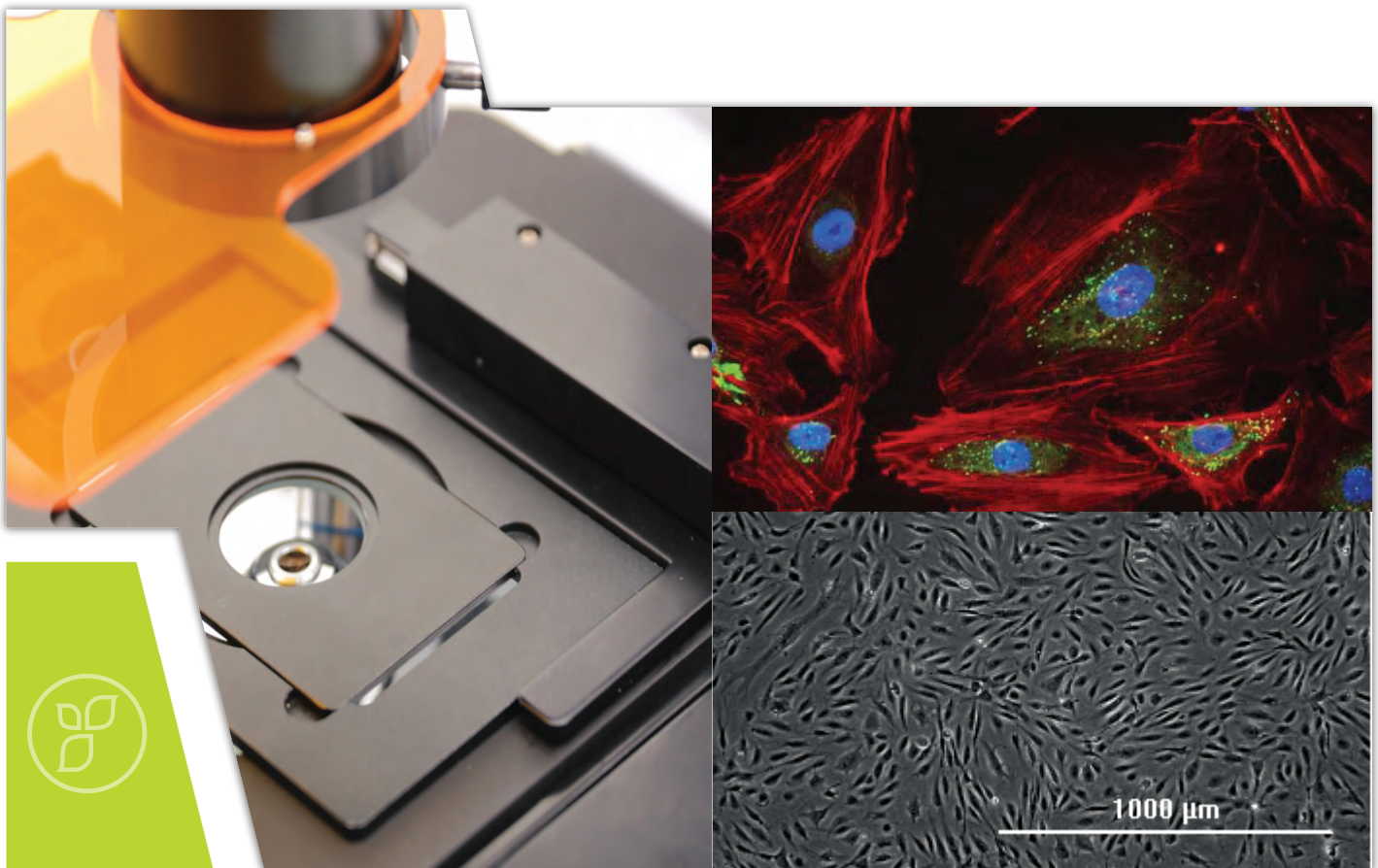
Manual errors, person-to-person variation, inability to count aggregates, makes cell counting one of the most critical challenge in cell culture. To help cell biologists circumvent this challenge, we have introduced CASY - a robust, reproducible and reliable cell counter based on the principle of electrical current exclusion, CASY tracks all relevant parameters of cell culture including cell count, cell viability, cell size and aggregation at extremely low running costs. With a detection range of 0.7 to 120 μm , this is the only machine in the market that counts mammalian cells and stem cells as well as bacteria, yeast, algae, parasites, sperms etc. We guarantee CASY's legendary reliability as it comes with as certified life time calibration, integrated QA system, GLP/GMP compliance and 21 CFR Part 11 compliance.

CO₂ incubator is one of the most important instruments in any cell culture laboratory. They mimic *in vivo* conditions to culture cells under *in vitro* conditions in terms of humidity, carbon dioxide, oxygen and atmospheric pressure. Cell culture CO₂ incubator technology has evolved in many aspects over past few decades. We have introduced CO₂ incubators - a reliable and advanced incubators based on latest air jacketed insulation technology which has many advantages over classical water jacketed incubators. "Air Jacketed" insulation enables quick temperature recovery, uniform temperature and easy maintenance.

We have also introduced another critical instrument required for routine cell culture practices - Inverted Microscopes. These are inverted microscopes with phase contrast objectives and red-green fluorescence filters. You can select an adapter and objective of your choice.

For more info :

atc@himedialabs.com | www.himedialabs.com



Automated Cell Counter

CASY



NO LIMITS

CASY counts
Mammalian
Cells,
Bacteria
&
Yeast

CASY TT

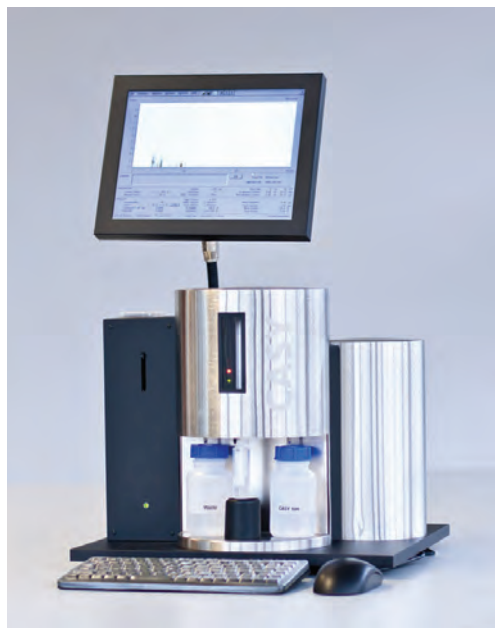
- 20 cell specific setups
- Separate control panel with graphical display
- ASCII data format
- CASYworX PC software
- GLP compliant

CASY TTC

- GLP/GMP compliant
- 21 CFR Part 11 compliant
- Full audit trails
- 3 different user levels

Comprehensive cell status with outstanding precision and reproducibility

Code : AI001



Code : AI001

CASY TT

- Cell count, cell volume, cell debris, cell viability and aggregation in less than 10 seconds
- + 20 cell specific setups
- + separate control panel with graphical display
- + ASCII data format
- + CASYworX PC software
- + GLP compliant

Code : AI002

CASY TTC

- Cell count, cell volume, cell debris, cell viability and aggregation in less than 10 second
- + unlimited cell specific setups
- + menu-driven software, Win CE embedded PC, color screen, keypad & mouse
- + binary data format with checksum protection
- + CASYdatadoc PC software
- + GLP/GMP compliant
- + 21 CFR Part 11 compliant
- + full audit trails
- + 3 different user levels
- + electronic signature

FEATURES

Label-free cell status, instantly.

Within seconds, measurement is performed non-invasively without using distorting dyes.

Statistically relevant data

Analysis of more than 4,000 cells per run enables statistically significant results.

Get the full picture

CASY quantifies all relevant parameters of cells including cell viability, cell size and aggregation – at extremely low running costs.

HOW IT WORKS

Counting Cells in just Seconds

Cells suspended in CASYton, a conductive isotonic buffer solution, are drawn through a measuring pore. This pore is defined in size and housed inside the capillary which separates two platinum electrodes, the inner and outer electrode. Here, a low voltage field is cycling with 1 MHz. Each cell or particle passing the measuring pore generates an individual electrical pulse by displacing buffer electrolyte in the measuring pore. This pulse is measured as a cell count.

Cell Viability – Keep Tabs on Membrane Degradation

As CASY takes the whole pulse area into account, including amplitude and pulse width, high resolution measurements are enabled, allowing to detect slightest changes of the cell membrane's electrical properties. The permeable membrane of dying and dead cells thus allows to identify dead cells by a change in electrical resistance, finally indicating the size of the nucleus.

Accurate Cell Volume

The combination of amplitude and width of the electrical pulse is proportional to the individual volume of the cell or particle passing the pore. Thus, cell volume can be directly deduced from the change in electrical resistance.

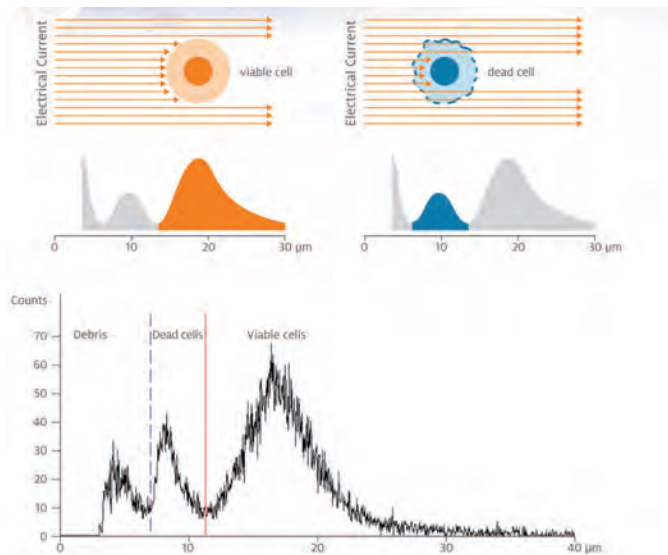
Biomass & Cell Aggregation – The True Cell Count

Biomass concentration and cell aggregation are essential parameters in any cell culture- and fermentation setting. CASY's measuring principle, including accurate cell volume determination, enables CASY to calculate aggregate volumes. This delivers extremely precise and reliable information on biomass content and aggregation status of your cells in culture. Furthermore, by taking account of cells hidden in aggregates, the true cell count is determined. Thereby drastically improving the accuracy of counting results.

Cell Debris and the »Comfort Zone« of Your Cells

Cellular debris may dramatically influence cell-based assays and its absence is an excellent indicator verifying that your cells are in the »comfort zone«. The huge dynamic size range of each CASY

measurement provides you with a significant criterion for the usability of the cells in any critical followup experiment – at a single glance. And it does so quickly: typical measurement time of mammalian cells is around 10 seconds.



Biomass-determination or aggregates?

CASY delivers accurate volumes

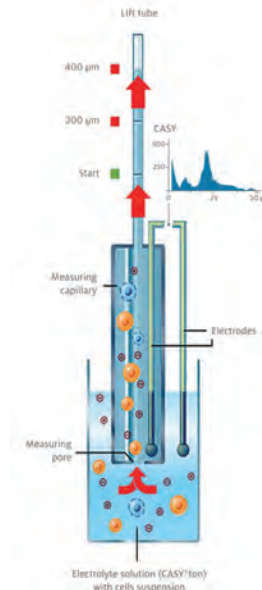
High-frequency scanning of objects and the high dynamic measuring range, enable CASY to precisely measure volumes of cells or objects. Thus, cell aggregates and the entire biomass content of each sample are immediately available.

Accurate total cell count includes aggregates

Mathematically breaking down aggregates into single cells, CASY optionally counts all cells hidden in aggregates – and thus provides an accurate total cell count.

No limits. CASY measures cell lines, primary cells, bacteria, yeast, algae, parasites... – you name it

With a detection range of 0.7 – 120 μm, CASY measures all types of mammalian cells and stem cells, as well as bacteria, yeast, algae, parasites, pollen, sperm and more. Any particle in the size range might be measurable – and a lot of various samples have been readily measured.



Specifications

Measurement principle	Electronic pulse area analysis with 1 million measurements per second acc. to ISO 13319
Viability determination	Electrical Current Exclusion (ECE)
Dynamic range	in volume > 1:70,000 in diameter > 1:40
Measured size channels	512,000
Displayed size channels	1,024 (TTC); 400 (TT)
Measurement range	0.7–120 μm
Volume Resolution	1 in 512,000
Typical analysis time	10 seconds
Typical sample volume	5–100 μl
Interfaces	TT: RS 232 (2xDB9), Parallel (DB25), TTC: RS 232 (2xDB9), TCP/IP (RJ45), USB (3x), Compact flash memory card

Inverted Microscopes

IRIS™

IRIS FLO™



Ease of Use



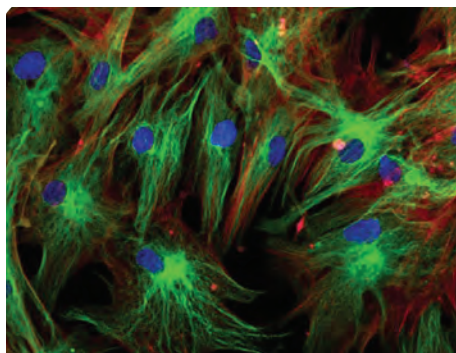
Capture Real-Time Image



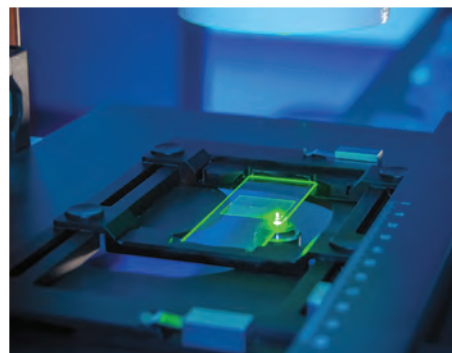
- Quick installation with pre-aligned phase contrast system and pre-aligned LED light source
- 22mm wide specimen area assures easy view
- Removable condenser to increase the working distance (up to 150 mm)
- Ergonomic controls for fast and efficient investigations

- Binocular head with in-built photo ports
- Pure white LED illumination captures bright, high resolution images
- Annotate your images and measure distances

Improved Optical Performance



The Latest LED Fluorescence



- Excellent optics with high numerical aperture for brilliant images
- Comprehensive range of objectives for extended versatility 22mm wide specimen area assures easy view
- Full chromatic correction and field planarity for 22mm field
- Equipped with Infinity-Corrected IOS optics

- Lamp lifetime More than 65000 hours approx.
- Power consumption reduced to minimum
- No need to worry about lamp maintenance, replacement and adjustment
- Consistent pure white colour.
- Overall cost effective, moneysaving technology



AI003

iRIS™ Inverted Phase Contrast Microscope

Contents

1. Plan - achromatic normal objectives - 4X & 40X
2. Plan - achromatic phase objectives - 10X & 20X
3. LED Light source
4. 10X Eye-piece
5. Dust protection cover





AI004

iRISFlo™ Inverted Phase Contrast Fluorescence Microscope

Contents

1. Plan – achromatic normal objectives - 4X and 40X
2. Plan- achromatic phase objectives - 10X and 20X
3. HBO lamp house Blue and Green filters with Blue Fluorescence: EX 460-490, DM 500, EM520LP; Green Fluorescence: EX 480-550, DM 570, EM 590LP
4. LED Light source
5. 10X Eye-piece
6. Dust protection cover

Optional Accessories

<p>Mechanical Stage</p> <p>Mechanical stage allows you to smoothly and precisely move your slide / other culture vessel while viewing without disturbing the focus. It has two knobs that move the specimen along X-Y axis. It has a clip that hold other holders such as slide holder / petri holder</p> 	AI03.04I-1NO	1 No	<p>Holder for single slide and 54mm Petri dish</p> <p>This holder can hold 54mm Petri dish and single slide. It needs to be fixed in the mechanical stage (AI03.04I).</p> 	AI03.04F-1NO	1 No
<p>Slide Holder</p> <p>Slide holder needs to be fixed in the mechanical stage (AI03.04I). It can hold 4 slides at a time. It is used for holding the slides in place so that it can be moved with ease from side to side back and forth.</p> 	AI03.04A-1NO	1 No	<p>Eyepiece Microscope Camera</p> <p>PC Camera resolution: 5.1MP USB 2.0</p> <p>This camera fits into the Trinocular viewing tube of microscope. Image analysis software is provided along with the camera that helps modify and analyze the captured images.</p> 	AI03.04H-1NO	1 No
<p>38mm Petri dish holder</p> <p>This holder can hold Petri dish having 38mm diameter. It should be used with AI03.04E and AI03.04I.</p> 	AI03.04D-1NO	1 No	<p>Microscope Cleaning Kit</p> <p>This kit contains</p> <ul style="list-style-type: none"> • Liquid Detergent • Five Swabs • Antistatic Cloth 18cms x 15cms • Lint-free Wipes 	AI03.04G-1NO	1 No
<p>Holder for Terasaki and 65mm Petri dish</p> <p>This holder can hold Petri dish having 65mm diameter and also a Terasaki plate. It needs to be fixed in the mechanical stage (AI03.04I).</p> 	AI03.04E-1NO	1 No			

CO₂ Incubators

CellIX[®]



Dry wall and Air jacketed

Direct heating system on 6 sides

Alarm system

Perforated shelves

Dual beam IR CO₂ sensor

Our CO₂ Incubators are home for your Happy Cells.

They provide your cells with dependable, controlled and protected environment with consistency and ease.

CellIX® 40L

AI005

CellIX® CO₂ incubator, 40L
 Base model
 with HEPA filter and shelves
 without dry heat/ UV sterilization unit



CellIX® 180L

AI006

CellIX® CO₂ incubator, 180L
 Base model
 with HEPA filter and shelves
 without dry heat/ UV sterilization unit



AI005 Model

CellIX® CO ₂ incubator, 40L with HEPA filter and shelves without dry heat/ UV sterilization unit	AI005-1N0	1 No
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Accessories for AI005

Dry heat sterilization unit for AI005	AI005A-1N0	1 No
Copper oxide cavity for AI005	AI005B-1N0	1 No
Glass door for AI005 (Five regions)	AI005C-1N0	1 No
Roller base for AI005	AI005D-1N0	1 No
Stacking kit for AI005	AI005E-1N0	1 No

Common Accessories for AI005 & AI006

Hole for auxiliary monitoring, Dia: 25mm For AI005 and AI006	AI05.06A-1N0	1 No
Oxygen Controller For AI005 and AI006	AI05.06C-1N0	1 No
UV Sterilization unit, 4W UV lamp For AI005 and AI006	AI05.06B-1N0	1 No

AI006 Models

CellIX® CO ₂ incubator, 180L with HEPA filter and shelves without dry heat/ UV sterilization unit	AI006-1N0	1 No
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CellIX® CO ₂ incubator, 180L with dry heat sterilization unit (125°C)	New AI006HS-1N0	1 No
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CellIX® CO ₂ incubator, 180L with UV Sterilization unit, 4W UV lamp	New AI006UV-1N0	1 No
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CellIX® CO ₂ incubator, 180L with dry heat sterilization unit (125°C) and UV Sterilization unit, 4W UV lamp	New AI006HSUV-1N0	1 No
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Accessories for AI006

Dry heat sterilization unit for AI006	AI006A-1N0	1 No
Copper oxide cavity for AI006	AI006B-1N0	1 No
Glass door for AI006 (Six regions)	AI006C-1N0	1 No
Roller base for AI006	AI006D-1N0	1 No
Stacking kit for AI006	AI006E-1N0	1 No

Customize your incubator with these options



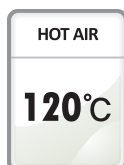
Access port

25mm access port is available at left hand side



UV sterilization

Incubator sterilization can be performed with 4W UV lamp. The UV light doesn't reach the samples and sterilization can be performed during operation.



Hot Air sterilization

Incubator sterilization can be performed using dry heat (125°C)



Copper oxide cavity

Copper has natural bactericidal & fungicidal properties. Copper surface eliminate microbial contaminants quickly & effectively.



O₂ control

Multi gas supply (N₂ & O₂) can be made available for both the models



Split Door

5/6 Split Door options available. Helps in lower gas consumption, lower heat loss & faster recovery.



HiMedia provides hands-on training and a range of teaching kits to enhance the skills and understanding of users to various aspects of cell culture

SKILL DEVELOPMENT MODULE

Product	Prefix	Page
InVitro Skill Development Program 101		
Beginner's Course for Mammalian Cell Culture	IVSD	575
Cell Culture Teaching Kit	CCK	575
Cell Proliferation and Cytotoxicity Assay Teaching Kits	CCK	576
Transfection Teaching Kits	CCK	576
InVitro Skill Development Program 201		
Beginner's Course for Stem and Primary Cell Culture	IVSD	577
Stem Cell Teaching Kits	CCK	577-578
Primary Cell Teaching Kits	CCK	578

Product	Prefix	Page
InVitro Skill Development Program 301		
Fundamentals of Cytogenetics	IVSD	579
Karyotyping Teaching Kits	CCK	579
Regulatory Affairs Program 401		
Introduction to Regulatory Affairs	RAP	580

Skill Development Modules

Skills strengthen you

... You strengthen India ~ Narendra Modi

Innovation begins with the right choices and innovators need to be equipped with the right skills. It has been HiMedia's endeavor to promote science and technology in the field of life science. While working in pursuit of this endeavor, we have identified that there are extra skills required by the industry. Graduates and post graduates need to be equipped with these skills when they step out of

their educational institutions. We, at HiMedia understand this and hence are launching a Skill Development Program to groom our budding scientist for the industry.

We have divided the program in to two modules, one on basic skills required in animal cell culture and second an advanced program for higher applications used in Biopharma, Cell therapy and Regenerative medicine, Drug discovery, Vaccine industry etc.

What do you gain ?



InVitro Skill Development Program 101

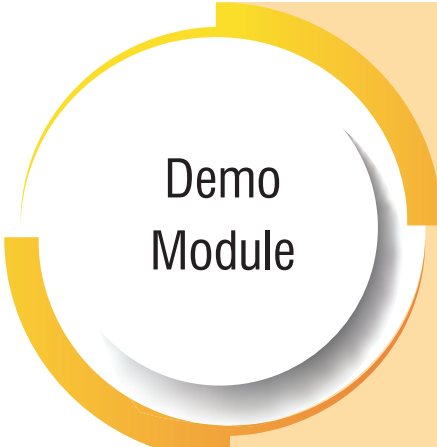
Beginner's Course for Mammalian Cell Culture

Specially designed for beginners with focus on practical aspects of mammalian cell culture

Module code: **IVSD101A - Demo**
IVSD101B - Hands-on

Course description


Mammalian cell culture has become a major field in biotechnology. It is an integral tool in the research and advances in human health. The course is aimed to bridge the gap between the academics and industries. Cell Culture Basics module is specially designed for the beginners and will focus on the practical aspects of mammalian cell culture. Students often get a very limited exposure to mammalian cell culture through the syllabus. This course will be a perfect add-on of the practical experience to the existing syllabus. It will help the students understand the principles of cell culture and make them competent enough for the further research.



**Demo
Module**

Course Contents

1. Aseptic techniques
2. Complete media preparation
3. Cell thawing
4. Viability assessment
5. Cell counting
6. Sub-culturing of cells
7. Lecture on techniques involved in mammalian cell culture

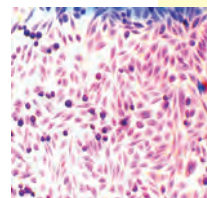


**Hands-on
Module**

Cell Culture Teaching Kit

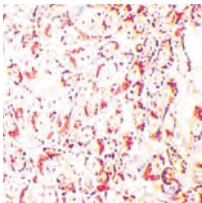
Product	Code	Packing
HiPer® Animal Tissue Culture Teaching Kit Animal Tissue Culture Teaching Kit exclusively offers a convenient approach for teaching basic animal cell culture techniques like cell revival, subculturing, viability testing and cell maintenance. Ready-to-use components as well as detailed information manual supplied in the kit makes the learning trouble-free and suitable for educational purposes. The kit is designed in a way that facilitates growth of cells in a non-CO ₂ environment.	CCK005-1KT	1 kit for 10 subcultures

Microscopy Slide Sets

Product	Code	Packing
Microscopy Slide Set for Mammalian Cell lines Contains a set of slides of five cell lines: a) BHK-21 b) CHO c) Vero d) HEK-293 e) Sp2/O	CCK044-1NO	 Chinese Hamster Ovary (CHO) cells (20X)

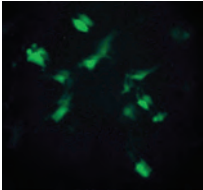
Product	Code	Packing
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Cell Proliferation and Cytotoxicity Assay Teaching Kits

<p>HiPer® MTT Cell Assay Teaching Kit <i>In vitro</i> Cell Viability Assay Kit</p> <p>MTT Cell Assay Teaching kit exclusively offers a convenient tool for teaching <i>in vitro</i> cell proliferation and cytotoxicity using standard microplate absorbance reading. The protocol is based on quantitative measurement of reduction in tetrazolium salt MTT to purple formazan crystals by metabolically active cells in culture.</p>	CCK020-100	Kit for 100 tests in 96 well format
<p>HiPer® Neutral Red Cell Assay Teaching Kit</p> <p>Intracellular lysosomes in CHO cells stained with Neutral Red (40X)</p> 	CCK033-100	Kit for 100 tests in 96 well format

Product	Code	Packing
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Transfection Teaching Kits

<p>HiPer® Transfection Teaching Kit</p> <p>Transfection Teaching Kit provides effective and reproducible DNA transfection into mammalian cells. This kit also provides reagent for observation of transfected DNA by using β-galactosidase system.</p> <p>Culture of Vero cells transfected with GFP plasmid (100X)</p> 	CCK042-1KT	1 Kit for 24 tests in 24 well format
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InVitro Skill Development Program 201

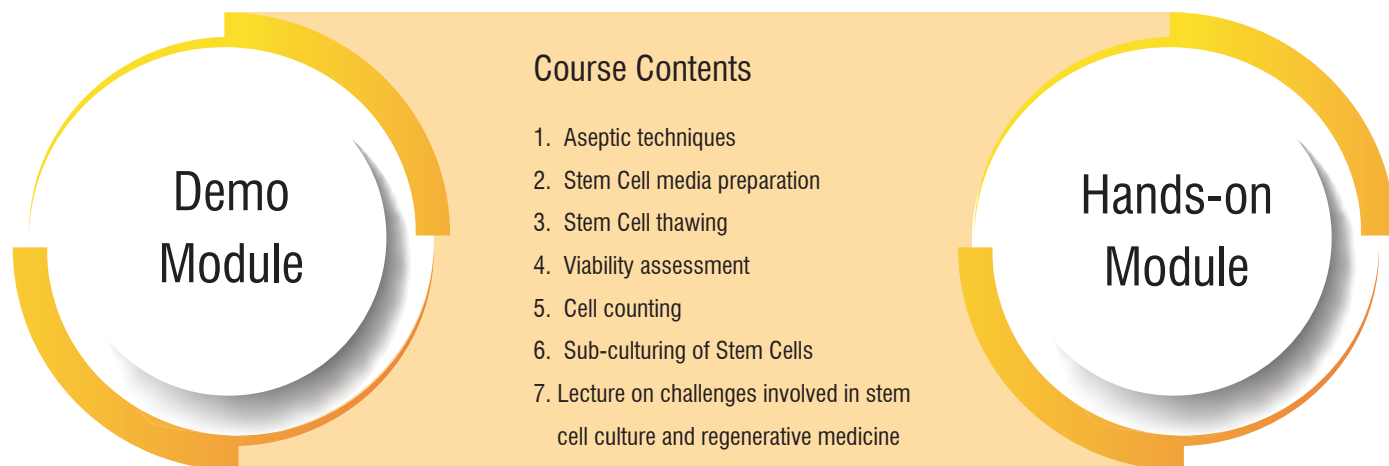
Beginner's Course for Stem and Primary Cell Culture

Introduction to stem cell therapy and regenerative medicine

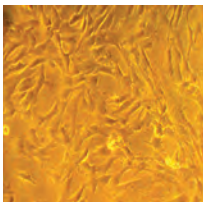
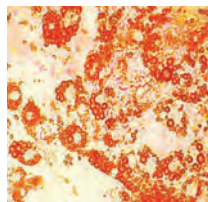
Course description

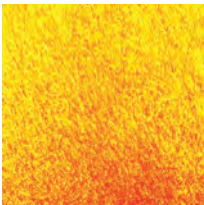

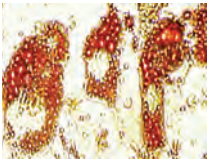
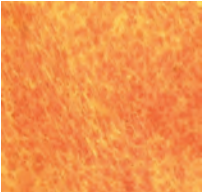
Module code: **IVSD201A - Demo**
IVSD201B - Hands-on

Stem cells have a great potential in tissue regeneration and repair and successful culturing of the stem cells is the basis of stem cell therapy. Culturing stem cells module is designed for the beginners to understand the intricate details involved in handling of stem cells. This course will be a perfect platform for the students to take a closer look at the mesenchymal stem cells. It will help the students understand the principles of stem cell culture and make them competent enough for the further research



Stem Cell Teaching Kits

Product	Code	Packing	Product	Code	Packing
HiPer® Stem Cell Expansion Teaching Kit Stem Cell Expansion teaching kit is a convenient tool for learning expansion and proliferation of stem cells. This kit comprises of a proliferating T12.5cm ² flask of stem cells and its expansion medium along with other reagents required for its subculture. A detailed information manual is supplied with the kit for trouble-free learning.	CCK038-1KT	1 Kit	HiPer® Adipogenesis Assay Teaching Kit Adipogenesis Assay teaching kit offers an excellent teaching approach for understanding of differentiation of 3T3-L1 pre-adipocytes to adipocytes. All the components in the kit are ready to use which facilitates trouble free learning.	CCK021-25NO	Kit for 25 tests in 96 well format
 Phase contrast microscopy of HAD-MSC (40X)			 Lipid droplets in 3T3-L1 cells differentiated into adipocytes stained red in colour by Oil Red O (40X)		

Product	Code	Packing
<p>HiPer® Osteogenesis Assay Teaching Kit</p> <p>Osteogenesis Assay teaching kit offers an excellent teaching approach to study differentiation of MC3T3E1 Preosteocyte cells to mature osteoblasts</p> <p>Calcium deposits in MC3T3-E1 cells differentiated into osteoblasts stained red in colour by Alizarin Red S (40X)</p> 	CCK050-25NO	Kit for 25 tests in 96 well format
<p>HiPer® Teaching Kit for Chondrogenic Differentiation and Staining</p> <p>Stem Cell Differentiation and Staining teaching kits are specially designed to promote the learning of stem cell differentiation and staining. These kits offer a convenient means of studying differentiation of mesenchymal stem cells into chondrogenic lineage. The kit comprises of a proliferating T12.5cm² flask of mesenchymal stem cells alongwith medium, reagents and consumables required for differentiation and staining of cells.</p> <p>Alcian Blue staining of Chondrocytic Differentiation of HWJ-MSC in HiChondroXL™ Chondrocyte Differentiation Medium (20X)</p> 	CCK041-1KT	1 Kit for 5 tests
<p>HiPer® Teaching Kit for Adipogenic Differentiation and Staining</p> <p>Stem Cell Differentiation and Staining teaching kits are specially designed to promote the learning of stem cell differentiation and staining. These kits offer a convenient means of studying differentiation of mesenchymal stem cells into adipogenic lineage. The kit comprises of a proliferating T12.5cm² flask of mesenchymal stem cells alongwith medium, reagents and consumables required for differentiation and staining of cells.</p> <p>Oil Red O staining of Adipogenic Differentiation of HAD-MSC (40X)</p> 	CCK039-1KT	1 Kit for 5 tests in 48 well format
<p>HiPer® Teaching Kit for Osteogenic Differentiation and Staining</p> <p>Stem Cell Differentiation and Staining teaching kits are specially designed to promote the learning of stem cell differentiation and staining. These kits offer a convenient means of studying differentiation of mesenchymal stem cells into osteogenic lineage. The kit comprises of a proliferating T12.5cm² flask of mesenchymal stem cells alongwith medium, reagents and consumables required for differentiation and staining of cells.</p> <p>Alizarin Red S staining of Osteogenic Differentiation of HWJ-MSC in HiOsteoXL™ Osteogenic Differentiation Medium (40X)</p> 	CCK040-1KT	1 Kit for 5 tests in 48 well format

Product	Code	Packing
Primary Cell Teaching Kits		
<p>HiPer® Chick Embryo Fibroblast Culture Teaching Kit</p> <p>Chick Embryo Fibroblast Culture Teaching Kit has been developed for isolation of Chick embryo fibroblast cells from embryonated eggs and culturing of primary fibroblasts <i>in vitro</i></p>	CCK059-5PR	1 kit for processing of 5 eggs
<p>HiPer® Teaching Kit for Lymphocyte Isolation and Staining</p> <p>Lymphocyte Isolation and Staining Teaching Kit has been developed for teaching isolation of Lymphocytes from whole blood and visualization of the separated lymphocytes by Giemsa staining</p>	CCK060-5PR	1 kit for 5 isolations

InVitro Skill Development Program 301

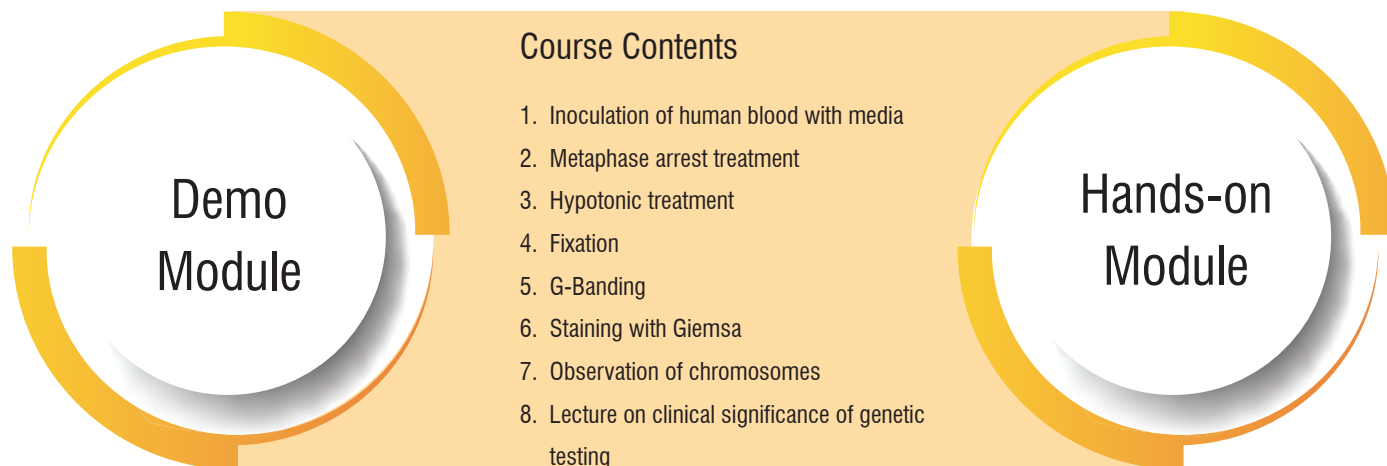
Fundamentals of Cytogenetics

Introduction to methods in genetic diagnostics

Course description

Module code: **IVSD301A - Demo**
IVSD301B - Hands-on

Genetic testing is an important tool in early diagnosis of many genetic disorders. Karyotype analysis is the primary method used for genetic testing. Analysis using peripheral blood includes growing the non-multiplying lymphocytes and then slide preparations to visualize the chromosomes. The module -Fundamentals of Karyotyping, offers an easy approach for teaching short term *in vitro* culture of peripheral blood lymphocytes for cytogenetic studies. The objective of this module is to provide the beginners training and basic understanding of karyotyping



Karyotyping Teaching Kits

Product	Code	Packing	Product	Code	Packing
<p>HiPer® Karyotyping Teaching kit Cytogenetics includes metaphase and pro-metaphase studies carried out on lymphocytes to detect chromosomal aberrations associated with structural and numerical abnormalities. Karyotyping Teaching Kit offers an easy approach for teaching short term <i>in vitro</i> culture of peripheral blood lymphocytes for cytogenetic studies. Karyotyping protocol includes growing the non-multiplying lymphocytes and then slide preparations to visualize the chromosomes. A detailed information manual supplied in the kit makes learning trouble-free for educational purposes.</p> <p>Lymphocytes and chromosomes stained with Giemsa (40X)</p>	CCK012-1KT	1 kit for 10 mitotic spreads	<p>HiPer® G-Banding Teaching Kit <i>In vitro</i> Cell Viability Assay Kit Cytogenetic testing is an important screening tool in clinical genetics. G-banding is one of the most widely used technique in diagnosis of genetic alterations as it facilitates recognition of individual chromosomes. G-banding Teaching kit offers a convenient approach for teaching the G-banding technique and visualization of chromosome bands under a light microscope.</p> <p>Distinctive Pattern of light and dark bands on chromosomes obtained by Giemsa Staining (100X)</p>	CCK043-1KT	1 Kit

Regulatory Affairs Program 401

Introduction to Regulatory Affairs

The back bone of pharma and biopharma industries

Module code: **RAP401**

Course description

This module focuses on the concept of regulatory affairs which is the backbone of pharma and biopharma industries. Regulations play a very crucial role in bioscience and health care industries and is involved in all stages starting from drug development to drug registration approval and marketing. This module is designed to give thorough knowledge of regulatory affairs to the students desiring a career as regulatory professionals



Course contents

1. Basic Fundamentals of Regulatory Affairs
2. Introduction to Regulatory Bodies
3. GMP Regulations
4. Common Technical Documents –CTD, eCTD & ACTD
5. Current Challenges in Regulatory
6. Industry specific case studies