

# HiDip Slides™

Your three-in-one tool for detection, identification and colony count of pathogens



*Look, no Lab necessary*

three-in-one



Testing Liquids



Dip ▶▶ Incubate ▶▶ Read

Dip Test



Flush ▶▶ Incubate ▶▶ Read

Testing Liquids

Flush Test

Testing Surfaces



Touch ▶▶ Incubate ▶▶ Read

Touch Test



HiMediaLaboratories™

HiMedia Laboratories Pvt. Limited

**HIMEDIA**®

For life is precious

**Principle :** HiDip slide is a handy tool for isolation, enumeration and identification of specific bacteria in urine, food and water samples. These slides can also be used as touch slides for assessing the microbiological contamination of surfaces. HiDip slides are designed to monitor the microbial flora of liquids (e.g. urine, milk, water) and equipment surfaces in the clinical and food industries.

HiDip slide contains a double sided, hinged plastic scull containing two agar surfaces. The HiDip slides containing combination of three agar media are prism shaped having all three agar media on separate, individual surfaces. The extended agar surface above the scull allows the touch with test surfaces. The hinged scull allows easy touch against each test area during sampling. The surface area of scull is divided into ten units of one centimeter each to allow direct counting of microbial density per unit area.

HiDip slides are available in different agar combinations of two media or three media which are available in pack of 5 tubes and 10 tubes.

### Directions

**1. Surfaces :** Loosen cap and remove HiDip slide from container taking care not to touch agar surfaces. Check for dehydration or contamination. Gently lower the slide and press agar to touch the test surface by bending the scull around the hinge line. Apply even and firm pressure for 15-20 seconds. Take care not to smudge agar over the test surface. Repeat procedure using the second agar surface on an area

adjacent to the initial test side. Return the slide to the container and close tightly. Incubate in an up right position at indicated temperature.

**2. Liquids :** Loosen cap and remove the HiDip slide from the container. Check for dehydration or contamination. Dip slide into test fluid for upto 15-20 seconds so that agar surface becomes totally covered. (In case of inadequate liquid sample availability, pour sample over the surface of the slide). Allow to drain. Tab it gently to remove excess fluid from surface. Return the slide to the container and close tightly. Incubate in an upright position at indicated temperature. Label the container for sample number, source, date and time etc. for reference.

**Interpretation :** One may read counts by removing slide from the container. Compare growth with chart provided to determine density of colonies. If the density exceeds  $10^7$  CFU or viscosity of sample is more, the sample should be diluted and dilution factor is to be accounted for in the count. Presence of single colony (spot) on slide surface can be considered as count  $10^2$ . No colony on the slide surface can be considered as count less than  $10^2$ .

**Storage & Shelf-life :** Store HiDip slides at 15°C, optimum storage temperature is 15-25°C. Avoid the sudden temperature alterations. Expiry period is given on each box.

**Disposal :** Used HiDip slides should be handled carefully, as it contains live microorganisms. These slides can be best disposed of either by incinerating or by immersing in a suitable disinfectant solution (i.e. dettol, phenyl etc.) overnight or by autoclaving them after loosening the cap. An autoclave is not essential, a domestic pressure cooker will suffice.

### HiDip Slides with Three Media

Code	Product	Use	Applications	Packing
HD001	HiDip Cled-Cetri-Mac Medium	for urine bacteria screening	Clinical, Water, Food, Dairy, Milk & Ice cream, Beverages, Breweries, Soft Drinks	Pack of 5/10 tubes
HD002	HiDip Mac-Cled-Sab Medium	for urine bacteria and mould screening	Clinical, Water, Food, Dairy, Milk & Ice cream, Beverages, Breweries, Soft Drinks	Pack of 5/10 tubes
HD003	HiDip Mac-Cled-Bile Esculin Medium	for urine bacteria and <i>Enterococci</i> screening	Clinical, Water, Food, Dairy, Milk & Ice cream, Beverages, Breweries, Soft Drinks	Pack of 5/10 tubes

### Hi Dip Slides with Two Media

Code	Product	Use	Applications	Packing
HD004	HiDip Cled-Mac Medium	for urine bacteria screening	Clinical, Water, Food, Dairy, Milk & Ice cream, Beverages, Breweries, Soft Drinks	Pack of 5/10 tubes
HD005	HiDip Cled-MUG Mac Medium	for direct <i>Escherichia coli</i> identification under UV light (366 nm)	Clinical, Water, Food, Dairy, Milk & Ice cream Beverages, Breweries, Soft Drinks, Ice cream	Pack of 5/10 tubes
HD006	HiDip Cled-HiCrome UTI Medium	for easy and fast detection of urinary tract microorganisms	Clinical, Water, Food, Dairy, Milk & Ice cream Beverages, Breweries, Soft Drinks, Ice cream	Pack of 5/10 tubes
HD007	HiDip Mac-HiCrome UTI Medium	for easy and fast detection of urinary tract microorganisms	Clinical, Water, Food, Dairy, Milk & Ice cream Beverages, Breweries, Soft Drinks, Ice cream	Pack of 5/10 tubes
HD008	HiDip TSA* - Rose Bengal Medium	for microbial screening of food and water	Clinical, Food, Water	Pack of 5/10 tubes
HD009	HiDip PCA* - VRBA Medium	for microbial screening of food and water	Clinical, Food, Dairy & Milk, Soft Drinks, Ice cream, Water & Waste Water treatment, Pharma, Paint, Paper & Pulp, Beverages, Breweries, Metal Working fluids	Pack of 5/10 tubes
HD010	HiDip PCA* - Cetri Medium	for microbial screening of food and water	Clinical, Food Dairy & Milk, Soft Drinks, Ice cream, Beverages & Breweries, Water & Waste Water treatment, Pharma, Clinical, Paint & Pigment, Cooling Water Tower, Paper & Pulp industry, Metal Working fluids Paints & Varnishes.	Pack of 5/10 tubes
HD011	HiDip Sulphate API - PCA* Medium	for detection of sulphate reducing organisms from paper and pulp cooling tower waters and petroleum industry	Water & Waste water treatment plants, Paper & pulp industry, Metal Working fluids, Oil well systems, Petroleum industry	Pack of 5/10 tubes
HD012	HiDip PA - H <sub>2</sub> S Medium	for detection of coliforms, <i>Salmonella</i> and <i>Citrobacter</i> from water, milk and food	Water & Waste water treatment plants, Milk, Food, Dairy	Pack of 5/10 tubes
HD014	HiDip PCA* - VJ Agar Medium	for total bacterial count and detection of <i>Staphylococcus aureus</i>	Food, Milk & Ice creams, Beverages & Breweries, Soft Drinks, Water & Waste Water, Clinical, Pharma	Pack of 5/10 tubes
HD018	HiDip TSA* - CLED Agar w/ B.T.B Indicator Medium	for total bacterial count and detection of urinary tract microorganisms	Food, Water & Waste Water, Pharma, Hospitals, Metal Working fluids, Dairy, Beverages, Breweries, Soft Drinks, Ice cream, Effluent treatment Plants	Pack of 5/10 tubes
HD019	HiDip PCA* - Malt Extract Agar Medium	for total bacterial count and isolation of yeast & moulds	Food, Water & Waste Water, Pharma, Hospitals, Paint & Varnishes, Paper & Pulp industry, Metal Working fluids, Dairy, Beverages, Breweries, Soft Drinks, Ice cream, Effluent treatment Plants	Pack of 5/10 tubes
HD020	HiDip Pseudomonas Agar - MacConkey Agar Medium	for screening <i>Pseudomonas</i> and urine bacteria	Dairy, Food, Soft Drink & Ice-creams, Pharma, Clinical, Paper & pulp, Paint & Varnishes, Pigment, Cooling Water Towers, Metal working Fluids	Pack of 5/10 tubes
HD021	HiDip PCA* - MacConkey Agar Medium	for total bacterial count and screening urine bacteria	Water & Waste Water Treatment, Dairy, Food & Pharma, Soft Drinks & Ice creams	Pack of 5/10 tubes
HD022	HiDip PCA* - PCA* Medium	for total bacterial count	Food, Water & Waste Water Treatment, Pharma, Hospitals, Paint & Varnishes, Paper & Pulp industry, Metal Working fluids, Dairy, Soft Drinks, Ice cream, Beverages & Breweries	Pack of 5/10 tubes

\*With added growth indicator in PCA/TSA for easy identification.

## Media used in various combinations for HiDip Slides

### CLED Agar

CLED Agar is recommended for isolation, enumeration and identification of urinary pathogens on the basis of lactose fermentation. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics.

#### Cultural Response :

Colour of prepared Medium (control) : Green

Cultural characteristics after 18 - 24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Colour of colony
<i>Escherichia coli</i> (25922)	luxuriant	yellow, opaque, center slightly deeper yellow
<i>Klebsiella pneumoniae</i> (13883)	luxuriant	yellow to whitish blue
<i>Proteus vulgaris</i> (13315)	luxuriant	blue
<i>Salmonella</i> Typhi (6539)	luxuriant	bluish
<i>Staphylococcus aureus</i> (25923)	luxuriant	deep yellow
<i>Enterococcus faecalis</i> (29212)	luxuriant	slight yellowish or greenish

### MacConkey Agar

MacConkey Agar is a differential medium for the selection and recovery of the *Enterobacteriaceae* and related enteric gram-negative bacilli. This medium is prepared in accordance with USP and contains crystal violet, NaCl and bile salts. It is very selective and suppresses growth of a number of Gram-positive bacteria including *Staphylococci*. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics. Coliforms and *Enterobacter* give pink to red colonies on this medium and *Escherichia coli* gives pink to red colonies with bile precipitate.

#### Cultural Response :

Colour of prepared Medium (control) : Red w/ purplish tinge

Cultural characteristics after 18 - 24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Colour of Colony
<i>Enterobacter aerogenes</i> (13048)	luxuriant	pink to red
<i>Escherichia coli</i> (25922)	luxuriant	pink to red with bile precipitate
<i>Proteus vulgaris</i> (13315)	luxuriant	colourless
<i>Salmonella</i> Enteritidis (13076)	luxuriant	colourless
<i>Salmonella</i> Typhi (6539)	luxuriant	colourless
<i>Salmonella</i> Paratyphi A	luxuriant	colourless
<i>Salmonella</i> Paratyphi B	luxuriant	colourless
<i>Shigella flexneri</i> (12022)	fair to good	colourless
<i>Enterococcus faecalis</i> (29212)	fair to good	colourless to pink
<i>Staphylococcus aureus</i> (25923)	inhibited	—

### Cetrimide Agar

Cetrimide Agar is used as a selective medium for the isolation of *Pseudomonas aeruginosa* from pus, sputum, drains etc. This medium helps in determining the ability of organism to produce fluorescein and pyocyanin. Cetrimide inhibits bacteria other than *Pseudomonas aeruginosa*. *Pseudomonas aeruginosa* colonies appear pigmented blue or blue green when slides are incubated at 35-37°C for 24-48 hours.

#### Cultural Response :

Colour of prepared Medium (control) : Light amber

Cultural characteristics after 24 - 48 hours at 35 - 37°C.

Organisms (ATCC)	Growth
<i>Pseudomonas aeruginosa</i> (27853)	luxuriant
<i>Pseudomonas maltophilia</i> (13637)	inhibited
<i>Staphylococcus aureus</i> (25923)	inhibited
<i>Escherichia coli</i> (25922)	inhibited

### Bile Esculin Medium

Bile Esculin Medium is in accordance with APHA for the presumptive identification of Group D *Streptococci*. ISO Committee has also suggested it for the isolation and identification of *Yersinia enterocolitica*. Esculin hydrolyzers hydrolyze the glycoside esculin to esculetin and dextrose. Esculetin reacts with ferric citrate to form a black-brown complex. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics.

#### Cultural Response :

Colour of prepared Medium (control) : Amber to Yellow

Cultural characteristics after 18-24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Esculin hydrolysis
<i>Enterococcus faecalis</i> (29212)	luxuriant	+
<i>Streptococcus faecium</i> (8482)	luxuriant	+
<i>Yersinia enterocolitica</i> (27729)	luxuriant	+
<i>Escherichia coli</i> (25922)	good	—

Key : + = blackening of the medium

— = no change

### Sabouraud Dextrose Agar

Sabouraud Dextrose Agar is used for the cultivation of fungi particularly for the fungi associated with skin infections. This medium is also in accordance with the US Pharmacopeia for microbial limit tests. Incubate slides at 30°C for 48-72 hours to observe colony characteristics.

#### Cultural Response :

Colour of prepared Medium (control) : Light amber

Cultural characteristics after 48 - 72 hours at 30°C.

Organisms (ATCC)	Growth
<i>Aspergillus niger</i> (16404)	luxuriant
<i>Candida albicans</i> (10231)	luxuriant
<i>Trichophyton rubrum</i> (28191)*	luxuriant
<i>Saccharomyces cerevisiae</i> (9763)	luxuriant
<i>Escherichia coli</i> (25922)	luxuriant
<i>Lactobacillus casei</i> (9595)	luxuriant

\* Growth after upto 6 days

### MUGMac Medium

MUGMac Medium is used for selective isolation and detection of lactose fermenting coliform organisms by a fluorogenic procedure. The medium helps to detect the presence of an enzyme  $\beta$ -glucuronidase and thereby rapidly identifying *Escherichia coli* in mixed clinical specimens. MUG is cleaved by the enzyme to release an end product 4-methylumbelliferone which produces a visible greenish - blue fluorescence under long wave ultra-violet light. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics.

### Cultural Response :

Colour of prepared Medium (control) : Red w/purplish tinge

Cultural characteristics after 18 - 24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Fluorescence
<i>Enterobacter aerogenes</i> (13048)	luxuriant	—
<i>Escherichia coli</i> (25922)	luxuriant	+

Key : Fluorescence at 366 nm

### HiCrome UTI Medium

HiCrome UTI Medium is a differential medium recommended for identification and confirmation of microorganisms mainly causing urinary tract infections. It facilitates and expedites the identification of some Gram-negative and some Gram-positive bacteria on the basis of different contrasted colony colours produced by reactions of genus or species specific enzymes with two chromogenic substrates. Incubate slides at 35-37°C for 24 hours to observe cultural characteristics. Further confirmation of *Escherichia coli* can be done by performing indole test using DMACA Reagent (R035) and *Proteus* species can be confirmed by using TDA Reagent (R036). Pick up the suspected colony using sterile loop or glass rod and transfer to a piece of filter paper. Add 1-2 droop of reagent or directly perform test on colony.

### Cultural Response :

Colour of prepared Medium (control) : Light amber

Cultural characteristics after 24 hours at 35-37°C.

Organisms (ATCC)	Growth	Colour of colony	TDA*	DMACA**
<i>Escherichia coli</i> (25922)	luxuriant	pink	—	+
<i>Proteus mirabilis</i> (10975)	luxuriant	light brown	+	—
<i>Klebsiella pneumoniae</i> (13883)	luxuriant	blue to purple, mucoid	—	—
<i>Pseudomonas aeruginosa</i> (27853)	luxuriant	colourless	—	—
<i>Staphylococcus aureus</i> (25923)	luxuriant	golden yellow	—	—
<i>Enterococcus faecalis</i> (29212)	luxuriant	blue, small	—	—

\* TDA + : Brown colour develops on growth

\*\* DMACA + : Red colour develops on growth.

### TSA (w/growth indicator)

Tryptone Soya Agar is recommended for cultivation of a wide variety of organisms. This medium is in accordance with USP. Incubate slides at 30-35°C for 18-48 hours to observe cultural characteristics.

Cultural Response : Colour of prepared Medium (control) : Light yellow

Cultural characteristics after 18 - 48 hours at 30-35°C.

Organism (ATCC)	Growth	Color of colony
<i>Candida albicans</i> (10231)	luxuriant	red to maroon
<i>Staphylococcus aureus</i> (25923)	luxuriant	red to maroon
<i>Streptococcus pyogenes</i> (19615)	good-luxuriant	red to maroon
<i>Bacillus subtilis</i> (6633)	luxuriant	red to maroon
<i>Bacteroides vulgatus</i> (8482)*	luxuriant	red to maroon
<i>Neisseria meningitidis</i> (13090)**	luxuriant	red to maroon

\* : incubated anaerobically \*\* : incubated under 5 % CO<sub>2</sub>

### Rose Bengal Medium

Rose Bengal Medium is recommended for the selective isolation and enumeration of yeasts and moulds from environmental materials and food stuffs. Rose bengal is taken up by mould and yeast colonies thereby assist in enumeration. Incubate slides at 25-30°C for 5 days to observe cultural characteristics.

### Cultural Response :

Colour of prepared Medium (control) : Deep pink

Cultural characteristics after 5 days at 25-30°C.

Organisms (ATCC)	Growth
<i>Aspergillus niger</i> (16404)	good
<i>Candida albicans</i> (10231)	good
<i>Escherichia coli</i> (25922)	inhibited
<i>Micrococcus luteus</i> (10240)	inhibited

### PCA Medium (w/growth indicator)

Plate Count Agar is recommended for the plate count of microorganisms in foods, water and waste water. It is also recommended by APHA, FDA and also by ISO Committee. Incubate plates at 35-37°C for 18-24 hours to observe colony characteristics. Growth indicator aids in easier observation and enumeration of colonies.

### Cultural Response :

Colour of prepared Medium (control) : Light yellow

Cultural characteristics after 18 - 24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Color of colony
<i>Bacillus subtilis</i> (6633)	luxuriant	red to maroon
<i>Escherichia coli</i> (25922)	luxuriant	red to maroon
<i>Lactobacillus casei</i> (9595)	luxuriant	red to maroon
<i>Staphylococcus aureus</i> (25923)	luxuriant	red to maroon
<i>Enterococcus faecalis</i> (29212)	luxuriant	red to maroon
<i>Streptococcus pyogenes</i> (19615)	luxuriant	red to maroon

### VRBA Medium

VRBA medium is selective medium used for the detection and enumeration of coliform organisms from water and food products. It is also suggested by ISO Committee for the enumeration of coliforms. It is selective due to presence of the inhibitors-bile salt and crystal violet. Organisms which rapidly ferment lactose produce red colonies surrounded by red-purple halo. Lactose non-fermenters and late lactose fermenters produce pale colonies. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics.

### Cultural Response :

Colour of prepared Medium (control) : Reddish purple

Cultural characteristics after 18 - 24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Colour of colony
<i>Escherichia coli</i> (25922)	luxuriant	pinkish red w/bile ppt
<i>Enterobacter aerogenes</i> (13048)	luxuriant	pink
<i>Salmonella</i> Enteritidis (13076)	luxuriant	colourless
<i>Staphylococcus aureus</i> (25923)	inhibited	—

### Sulphate API Medium

Sulphate API Medium is used for detection and estimation of sulphate reducing bacteria as per American Petroleum Institute Recommended Practice. Sulphate reducing bacteria convert sulphate to sulphide which on reaction with the ferrous ion gives black colour. Incubate slides at 30°C for 1 week to observe cultural characteristics.

## Cultural Response :

Colour of prepared Medium (control) : Light yellow  
Cultural characteristics after 4 days upto 1 week at 22-28°C.

### Sulphate API Medium

Organism (ATCC)	Growth
<i>Desulfovibrio desulfuricans</i> (29577)	good to luxuriant

### PA Medium

PA Medium is used for the detection of coliforms bacteria in milk, food and water from treatment plants or distribution systems. This medium has been included as a tentative standard in the "Standard Methods for the Examination of Water and Wastewater", APHA. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics.

## Cultural Response :

Colour of prepared Medium (control) : Greyish Purple  
Cultural characteristics after 18 - 48 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Colour of medium
<i>Escherichia coli</i> (25922)	good-luxuriant	yellow
<i>Enterobacter aerogenes</i> (13048)	good-luxuriant	light yellow
<i>Klebsiella pneumoniae</i> (13883)	good-luxuriant	yellow
<i>Salmonella</i> Typhimurium (14028)	good-luxuriant	—
<i>Enterococcus faecalis</i> (29212)	inhibited	—

### H<sub>2</sub>S Medium

H<sub>2</sub>S medium is recommended for simultaneous detection of *Salmonella*, *Vibrio*, *Citrobacter* species and *Escherichia coli* from milk, food and water samples. Presence of growth with or without change of colour of medium indicates microbial contamination of specimen. Incubate slides at 35-37°C for 18-24 hours to observe cultural characteristics.

## Culture Response :

Colour of prepared Medium (control) : Greenish Blue  
Cultural characteristics after 18-24 hours at 35-37°C

Organisms (ATCC)	Colour of colonies
<i>Escherichia coli</i> (25922)	blue
<i>Vibrio cholerae</i> (15748)	bluish purple
<i>Salmonella</i> Enteritidis (13076)	blue w/black centre
<i>Salmonella</i> Typhimurium (14028)	blue w/black centre
<i>Citrobacter freundii</i> (8090)	blue w/black centre
<i>Klebsiella pneumoniae</i> (13883)	purple

### CLED Agar w/BTB

Cled Agar w/BTB is recommended for isolation, and differentiation of urinary pathogens on the basis of lactose fermentation. This medium has Bromo thymol blue as pH indicator which turns yellow at acidic pH due to fermentation of lactose.

## Cultural response :

Colour of Prepared Medium (Control) : Green  
Cultural characteristics after 18 - 24 hours at 35-37°C.

Organisms (ATCC)	Growth	Colour of colony
<i>Escherichia coli</i> (25922)	luxuriant	yellow, opaque, center slightly deeper yellow
<i>Klebsiella pneumoniae</i> (13883)	luxuriant	yellow to whitish blue
<i>Proteus vulgaris</i> (13315)	luxuriant	blue
<i>Salmonella</i> Typhi (6539)	luxuriant	blue
<i>Staphylococcus aureus</i> (25923)	luxuriant	deep yellow
<i>Enterococcus faecalis</i> (29212)	luxuriant	slight yellowish or green

## VJ Agar

VJ Agar permits early detection of coagulase positive and mannitol positive colonies of *Staphylococcus aureus*. It is recommended for the microbial limit test in USP. Coagulase positive *Staphylococci* reduce potassium tellurite to metallic free tellurium and thus produce black colonies surrounded by yellow zones.

## Cultural response

Colour of Prepared Medium (Control) : Red  
Cultural characteristics after 18 - 24 hours at 35-37°C.

Organisms (ATCC)	Growth	Colour of colony
<i>Staphylococcus aureus</i> (25923)	luxuriant	black with yellow halo
<i>Staphylococcus epidermidis</i> (12228)	fair	blackish
<i>Proteus mirabilis</i> (25933)	poor	black
<i>Escherichia coli</i> (25922)	inhibited	—

## Malt Extract Agar Medium

Malt Extract Medium is recommended for detection, isolation and enumeration of yeasts and moulds. Typical colonies of yeasts and moulds can be visualized on this media.

## Cultural Response

Colour of prepared medium (control): Yellow  
Cultural characteristics after upto 48-72 hours at 25-30°C.

Organisms (ATCC)	Growth
<i>Aspergillus niger</i> (16404)	luxuriant
<i>Candida albicans</i> (10231)	luxuriant
<i>Saccharomyces cerevisiae</i> (9763)	luxuriant

## Pseudomonas Agar medium

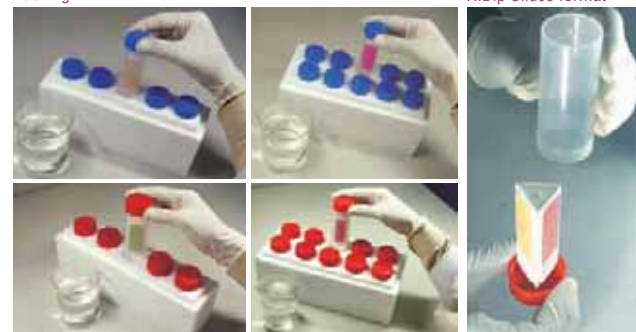
Pseudomonas Agar medium is recommended for the detection of pyocyanin production by *Pseudomonas* species. *Pseudomonas aeruginosa* colonies appear pigmented blue or blue green when slides are incubated at 35 - 37°C for 18-24 hours.

## Cultural response

Colour of Prepared Medium (Control) : Yellow  
Cultural characteristics after 18 - 24 hours at 35 - 37°C.

Organisms (ATCC)	Growth	Colour
<i>P. aeruginosa</i> (27853)	luxuriant	Blue-green

## Packing



Three-in-one  
HiDip Slides format

# HiDip Slides™

Dip / Flush / Touch ▶ Incubate ▶ Read



Remove from box



Unscrew cap to remove slide



OR



OR



OR



Replacing slide



Incubation

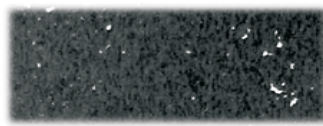


Growth response

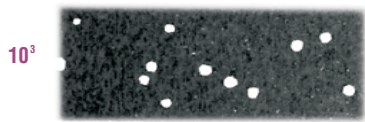
Density Chart for Bacteria / Yeasts



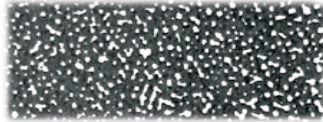
10<sup>2</sup>



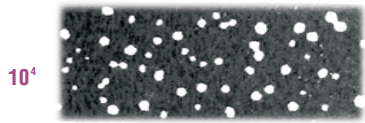
10<sup>7</sup>



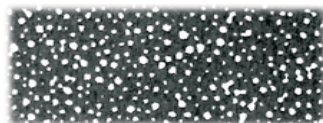
10<sup>3</sup>



10<sup>6</sup>



10<sup>4</sup>



10<sup>5</sup>

Liquid samples (CFU / ml), Surfaces (CFU / cm²)

Density Chart for Fungi



10<sup>2</sup>



10<sup>3</sup>



10<sup>4</sup>

Liquid samples (CFU / ml), Surfaces (CFU / cm²)



Remove from container



Touch face - 1



Touch face - 2



Touch face - 3



Restore in container and incubate

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