



E.T. Medium

M854

E.T. Medium is used for the mass cultivation of Clostridia for enterotoxin production.

Composition**

Ingredients	Gms / Litre
Liver, infusion from	250.000
Beef heart, infusion from	250.000
Peptone, special	20.000
Sodium chloride	5.000
Dipotassium phosphate	4.000
Final pH (at 25°C)	8.4±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 39 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

E.T Medium is used for the mass cultivation of Clostridia for enterotoxin production.

The media contains liver infusion which due to its nutrients characteristics is recommended for cultivation of fastidious anaerobic bacteria such as Clostridia.

The medium also contains beef heart, the muscle protein which provides amino acids and other nutrients.

Quality Control

Appearance

Cream to brownish yellow coloured with pink tinge homogeneous free flowing powder

Colour and Clarity of prepared medium

Amber coloured clear to slightly opalescent solution.

Reaction

Reaction of 3.9% aqueous solution at 25°C. pH : 8.4±0.2

pH

8.20-8.60

Cultural Response

Cultural characteristics observed under 10% Carbon dioxide(CO₂) after an incubation at 35-37°C for 24-72 hours

Cultural Response

Organism	Inoculum (CFU)	Growth
Cultural Response		
<i>Staphylococcus aureus</i> ATCC 25923	50-100	good-luxuriant
<i>Clostridium botulinum</i> ATCC 25763	50-100	luxuriant
<i>Clostridium perfringens</i> ATCC 12924	50-100	luxuriant
<i>Clostridium sporogenes</i> ATCC 11437	50-100	luxuriant

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

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