



E.T. Medium

M854

Intended Use:

Recommended for mass cultivation of Clostridia for enterotoxin production.

Composition**

Ingredients	Gms / Litre
HL infusion from#	250.000
HM infusion B from \$	250.000
Peptone, special	20.000
Sodium chloride	5.000
Dipotassium hydrogen phosphate	4.000
Final pH (at 25°C)	8.4±0.2

**Formula adjusted, standardized to suit performance parameters

Equivalent to Liver, infusion from

\$ Equivalent to Beef heart, infusion from

Directions

Suspend 39.0 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes or flasks as desired. 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 HL infusion from which due to its nutrients characteristics is recommended for cultivation of fastidious anaerobic bacteria such as Clostridia. The medium also contains HM infusion B, the muscle protein which provides amino acids and other nutrients.

Type of specimen

Clinical samples - Blood; Food samples.

Specimen Collection and Handling:

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (1,2). For food samples, follow appropriate techniques for sample collection and processing as per guidelines (3). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions :

In Vitro diagnostic use. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitation

1. Further biochemical test must be carried out for confirmation.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

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

Organism	Inoculum (CFU)	Growth
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	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

* - Corresponding WDCM numbers

Storage and Shelf Life

Store between 10-30°C in a tightly closed container and the prepared medium at 15-25°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to prevent lump formation due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in dry ventilated area protected from extremes of temperature and sources of ignition Seal the container tightly after use. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W.(2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
3. Salfinger Y., and Tortorello M.L., 2015, Compendium of Methods for the Microbiological Examination of Foods, 5th Ed., American Public Health Association, Washington, D.C.

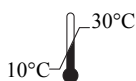
Revision : 02 /2020



In vitro diagnostic medical device



CE Marking



Storage temperature



Do not use if package is damaged



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