

Technical Information

Beef Extract Broth, MiVeg

Product Code : VM1807

Application:- Beef Extract Broth MiVeg is used as a general purpose nutrient medium which can support growth of not particularly fastidious bacteria.

Composition

Ingredients	Gms / Litre
MiVeg peptone	10.0
MiVeg extract	3.00
Sodium chloride	5.00
Final pH (at 25°C)	7.2±0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Beef extract Broth MiVeg is prepared by vegetable peptones in place of animal based peptones which makes the medium BSE/TSE risk free. This media is non selective nutrient media containing MiVeg extract and MiVeg peptone as a source of nitrogen and carbon and sodium chloride serves as a source of electrolytes.

This medium is the conventional media can be used as a general purpose nutrient medium and is also recommended for preparation of pure culture of *Candida* species for carrying out fermentation studies (1).

Methodology

Suspend 18grams of powder media in 1000 ml purified/distilled water. Mix thoroughly. Heat to boiling to dissolve the medium completely. Dispense in tube. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Quality Control

Physical Appearance

Light yellow coloured, homogeneous, free flowing powder.

Colour and Clarity of prepared medium

Yellow coloured, Clear solution in tubes.

Reaction

Reaction of 1.8% w/v aqueous solution pH: 7.2±0.2 at 25°C

pH range

7.0-7.4

Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours

Organisms (ATCC)	Inoculum (CFU)	Growth	Recovery
<i>Escherichia coli</i> (25922)	10 ² - 10 ⁵	luxuriant	>70%
<i>Staphylococcus aureus</i> (25923)	10 ² - 10 ⁵	luxuriant	>70%
<i>Candida albicans</i> (10231)	10 ² - 10 ⁵	luxuriant	>70%
<i>Salmonella</i> serotype Typhi (6539)	10 ² - 10 ⁵	luxuriant	>70%
<i>Pseudomonas aeruginosa</i> (27853)	10 ² - 10 ⁵	luxuriant	>70%



Dehydrated Culture Media
Bases / Media Supplements

Storage and Shelf Life

Dried Media: Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.

Prepared Media: 2-8° in sealable plastic bags for 2-5 days.

Further Reading

1. Bailey and Scott's Diagnostic Microbiology Finegold S. M. and Baron E.J. (Ed.), 1986, 7th Edition, The C.V. Mosby Company, St. Louis.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents. Do not use the products if it fails to meet specifications for identity and performance parameters.

