Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Liver Infusion Agar, MiVeg

Product Code : VM1374

Application:- Liver Infusion Agar MiVeg is used for the cultivation of *Brucella* and other pathogenic bacteria.

Composition

Ingredients	Gms / Litre
MiVeg infusion No.1	20.00
MiVeg peptone No.3	10.00
Sodium chloride	5.00
Agar	20.00
Final pH (at 25°C)	6.9 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Liver Infusion Agar, MiVeg is prepared by using vegetable peptones in place of animal based peptones thus making the medium free from BSE/TSE risks. Liver Infusion Agar, MiVeg is a modification of Liver Infusion Agar, used for the cultivation of *Brucella* and certain anaerobes. The nutritive factors of MiVeg Infusion No. 1, just like Liver Infusion, permit luxuriant growth of *Brucella* and other fastidious pathogens (1). MiVeg infusion No. 1 and MiVeg peptone No.3 supply nitrogen, amino acids, vitamins and carbon sources. Sodium chloride maintains the osmotic balance. Agar is the solidifying agent. The reducing agents contained in MiVeg infusion No.1, provides anaerobic environment, that allows the growth of fastidious anaerobes.

Methodology

Suspend 55 grams of powder media in 1000 ml distilled water. Mix thoroughly and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Quality Control

Physical Appearance

Yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.

Gelling

Firm, comparable with 2.0% Agar gel.

Colour and Clarity of prepared medium

Amber coloured slightly opalescent gel forms in petri plates.

Reaction

Reaction of 5.5% w/v aqueous solution is pH 6.9 ± 0.2 at 25°C.

pH Range

6.7 - 7.1

Cultural Response/Characteristics

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

Organisms (ATCC)	Inoculum (CFU)	Growth	Recovery
Brucella abortus (4315)	10^2-10^3	luxuriant	>70%
Brucella melitensis (4309)	10^2-10^3	luxuriant	>70%

Brucella suis (6597)	10^2-10^3	luxuriant	>70%
Streptococcus pneumoniae (6303)	10^2-10^3	luxuriant	>70%

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: 2-8^0 in sealable plastic bags for 2-5 day.

Further Reading

1. Patrick R. Murray, 2003, In Manual of Clinical Microbiology, 8th ed., Baron, Pfaller, Tenover and Yolken (Eds.), ASM, Washington, D.C.

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 in fingement of any patents.Do not use the products if it fails to meet specificatons for identity and performens parameters.