

Technical Information

Disinfectant Test MiVeg Broth

Product Code : VM1354

Application:- Disinfectant Test MiVeg Broth is used for testing disinfectants.

Composition**

Ingredients	Gms / Litre
MiVeg peptone	10.0
MiVeg extract	5.0
Sodium chloride	5.0
Final pH (at 25°C)	6.8 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Disinfectant Test MiVeg Broth is prepared by adding MiVeg peptone and MiVeg extract in place of Peptic digest of animal tissue and Beef extract respectively thus making the medium free from BSE/TSE risks. Disinfectant Test MiVeg Broth is the modification of disinfectant test broth (1,2) used for testing disinfectants and especially for determining phenol coefficients of disinfectants.

MiVeg extract and MiVeg peptone in the medium provide necessary nutrients for the growth of test organisms like *Salmonella* serotype Typhi, *Pseudomonas aeruginosa* and *Staphylococcus aureus*. Presence of sodium chloride balances the osmotic equilibrium.

Methodology

Suspend 20 grams of powder media in 1000 ml distilled water. Mix thoroughly. Heat to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Quality Control

Physical Appearance

Light yellow coloured, may have slight greenish tinge, homogeneous and free flowing powder.

Colour and Clarity of prepared medium

Medium amber coloured, clear to slightly opalescent solution.

Reaction

Reaction of 2.0% w/v aqueous solution is pH 6.8 ± 0.2 at 25°C

pH range

6.6-7.0

Cultural Response/Characteristics

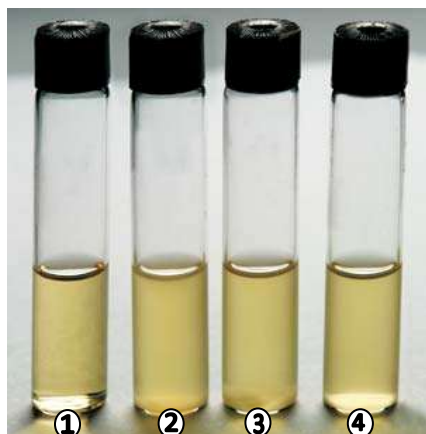
Cultural characteristics observed after an incubation at 35-37° for 18 - 24 hours. (Recovery on MacConkey Veg Agar (VM 1082)

Organisms (ATCC)	Inoculum (CFU)	Recovery on MacConkey Veg Agar (VM 1082)	Growth #	Recovery at 44-45°C	Colour of Colony
<i>Pseudomonas aeruginosa</i> (27853)	10 ² -10 ³	good-luxuriant	good-luxuriant	>70%	Colourless
<i>Salmonella</i> serotype Typhi (6539)	10 ² -10 ³	good-luxuriant	good-luxuriant	>70%	colourless
<i>Staphylococcus aureus</i> (25923)	10 ² -10 ³	good-luxuriant	good-luxuriant	>70%	Pale-pink-red

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.



VM1354 Disinfectant Test MiVeg Broth

1. Control
2. *Staphylococcus aureus*
3. *Pseudomonas aeruginosa*
4. *Salmonella* serotype Typhi

Further Reading

1. Williams (Ed.), 2005, Official methods of Analysis of AOAC, 18th ed. AOAC, Washington D.C.
2. Journal of AOAC, 1964, 47:176.
3. Methods of Analysis AOAC, 1980, 13th ed.

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.