

Technical Information

Staphylococcus Aureus Enrichment MiVeg Broth

Product Code : VM1464

Application:- Staphylococcus Aureus Enrichment MiVeg Broth is recommended for enrichment of *Staphylococcus aureus* and also for disinfectant testing.

Composition**

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

** Formula adjusted, standardized to suit performance parameters

Principle & Interpretation

This medium is prepared by adding MiVeg peptone and MiVeg infusion which is BSE/TSE risks free. This medium is the modification of Staphylococcus Aureus Enrichment Broth which is a selective medium used in the membrane filter technique for isolating pathogenic *Staphylococci* e.g. *Staphylococcus aureus*. *Staphylococcus aureus* is coagulase positive human opportunistic pathogen and has been major cause of morbidity and mortality(1). Staphylococcus Aureus Enrichment MiVeg Broth, like the conventional medium can also be used for disinfectant testing.

The medium contains ingredients like MiVeg infusion and MiVeg peptone, which provide necessary nutrients for the growth of *Staphylococcus aureus* when used as test organism in disinfectant testing. Sodium chloride in the medium helps to maintain osmotic equilibrium.

Methodology

Suspend 20 grams of powder media in 1000 ml distilled water. Mix thoroughly. Heat if necessary to dissolve the medium completely. Dispense as desired. 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.

Colour and Clarity

Yellow coloured, clear solution without any precipitate.

Reaction

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

pH range

6.6-7.0



Dehydrated Culture Media
Bases / Media Supplements

Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 35-37°C for 18 - 24 hour.

Organisms (ATCC)	Inoculum (CFU)	Growth
<i>Staphylococcus aureus</i> (25923)	10^2 - 10^3	luxuriant
<i>Staphylococcus aureus</i> (6538)	10^2 - 10^3	luxuriant

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. Murray PR, Baron, Pfaller, and Tenenbaum (Eds.), 2003, In Manual of Clinical Microbiology, 8th ed., 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 infringement of any patents. Do not use the products if it fails to meet specifications for identity and performance parameters.



Central Drug House (P) Ltd. Corp. Office : 7/28, Vardaan House, Ansari Road, Daryaganj, New Delhi-110002 (INDIA)

Phone : +91-11-49404040 (100 Lines) Fax : +91-11-49404050 E-mail : sales@cdhfinechemical.com Website : www.cdhfinechemical.com