

Technical Information

Standard Staphylococcus MiVeg Broth

Product Code : VM1578

Application:- Standard Staphylococcus MiVeg Broth is used for cultivation of *Staphylococci*.

Composition

Ingredients	Gms / Litre
MiVeg peptone	10.0
Yeast extract	5.0
Sodium chloride	5.0
Final pH (at 25°C)	7.0 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Standard Staphylococcus MiVeg Broth is prepared by adding vegetable peptones instead of animal origin peptones thereby making the medium free from BSE/TSE risks. Like the conventional Standard Staphylococcus Broth, this medium is recommended for the cultivation of *Staphylococci* from clinical and non-clinical specimens. This medium is highly nutritious for the staphylococci multiplication. *Staphylococci* are widespread in nature as they are mainly found on the skin, skin glands, and mucous membranes of mammals and birds(1).

MiVeg peptone and yeast extract supplies all the essential growth factors such as nitrogen, carbon, sulphur, vitamins and trace nutrients. Sodium chloride maintains the osmotic balance of the medium.

Methodology

Suspend 20 grams of powder media in 1000 ml distilled water. Mix thoroughly and heat if necessary to dissolve the medium completely. Dispense into test tubes and then 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 of prepared medium

Light amber coloured, clear solution without any precipitate.

Reaction

Reaction of 2.0% w/v aqueous solution is pH 7.0 ± 0.2 at 25°C.

pH Range

6.8 - 7.2

Cultural Response/Characteristics

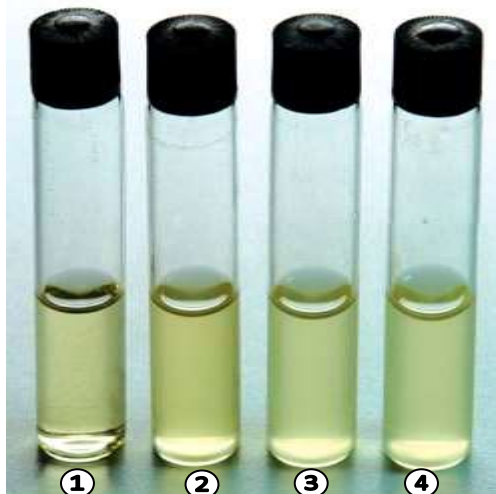
Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.

Organisms (ATCC)	Inoculum (CFU)	Growth
<i>Staphylococcus aureus</i> (19095)	10 ² -10 ³	good-luxuriant
<i>Staphylococcus aureus</i> (25923)	10 ² -10 ³	good-luxuriant
<i>Staphylococcus epidermidis</i> (12228)	10 ² -10 ³	good-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 day.



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1. Control
2. *Staphylococcus aureus* (19095)
3. *Staphylococcus aureus* (25923)
4. *Staphylococcus epidermidis*

Further Reading

1. Murray PR, Baron, Pfaller, and Tenover (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.
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