

Technical Information

Sabouraud Dextrose Maltose MiVeg Agar

Product Code : VM2313

Application:- Sabouraud Dextrose Maltose MiVeg Agar is used for the cultivation of moulds, yeasts and aciduric organisms as well as for testing antimycotic substances.

Composition

Ingredients	Gms / Litre
MiVeg hydrolysate	5.0
MiVeg peptone	5.0
Dextrose	10.0
Maltose	10.0
Agar	15.0
Final pH (at 25°C)	5.4± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Sabouraud Dextrose Maltose MiVeg Agar is prepared by adding vegetable peptones in place of animal based peptone thereby making the medium free from BSE/TSE risks. Sabouraud Dextrose Maltose MiVeg Agar is the modification of Sabouraud Dextrose Maltose Agar which is the modification of Sabouraud Dextrose Agar (1) and is used for the cultivation of moulds, yeasts and aciduric microorganisms. The low pH of the medium inhibits wide range of bacteria thereby making it particularly useful for cultivation of fungi and aciduric microorganisms.

MiVeg hydrolysate and MiVeg peptone supplies nitrogen, vitamins, minerals and amino acids. Dextrose and Maltose serve as the carbon and energy sources in the medium. Agar acts as a solidifying agent.

Methodology

Suspend 45.0 grams of powder media in 1000 ml distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. DO NOT OVERHEAT. Dispense in sterile petri plates.

Quality Control

Physical Appearance

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

Gelling

Firm, comparable with 1.5% Agar gel.

Colour and Clarity of prepared medium

Light amber coloured, clear to slightly opalescent gel forms in petri plates.

Reaction

Reaction of 4.5% w/v aqueous solution is pH 5.4 ± 0.2 at 25°C.

pH Range

5.2 - 5.6

Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 25-30°C for upto 5 days.

Organisms (ATCC)

Growth

Aspergillus niger (16404)

luxuriant

Candida albicans (10231)

luxuriant



Dehydrated Culture Media
Bases / Media Supplements

<i>Penicillium species</i>	luxuriant
<i>Trichophyton aielloi</i>	luxuriant
<i>Trichophyton gallinae</i>	luxuriant
<i>Trichophyton mentagrophytes</i> (9533)	luxuriant
<i>Trichophyton rubrum</i> (28191)	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.

Further Reading

1. Sabouraud R., 1982, Ann. Dermatol. Syphilol. 3:1061.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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