Technical Information

Sabouraud Chloramphenicol MiVeg Agar

Product Code : VM2067

Application:- Sabouraud Chloramphenicol MiVeg Agar is recommended for selective cultivation of yeasts and moulds.

Composition

Ingredients	Gms / Litre
MiVeg hydrolysate	5.000
MiVeg peptone	5.000
Dextrose	40.000
Chloramphenicol	0.050
Agar	15.000
Final pH (at 25°C)	5.6 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Sabouraud Chloramphenicol MiVeg Agar is prepared by using vegetable peptones in place of animal based peptone thereby making the medium BSE/TSE risks free. This medium is the modification of Sabouraud Dextrose Agar described by Sabouraud (2) which is the modification of Carlier's (1) formulation and used for the cultivation of fungi, particularly useful for the fungi associated with skin infections. Chloramphenicol (3) added to medium for the isolation of pathogenic fungi from materials containing large numbers of fungi or bacteria.

MiVeg hydrolysate and MiVeg peptone supplies nitrogenous and carbonaceous compounds, long chain amino acids and other essential growth nutrients. Dextrose serve as an energy source. Chloramphenicol inhibits a wide range of gram-positive and gram-negative bacteria thereby making the medium selective for fungi (4). The low pH favours fungal growth and inhibits contaminating bacteria from clinical specimens (5).

Methodology

Suspend 65.05 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. Cool to 45-50°C. Mix well before pouring into sterile petri plates.

Caution: Certain pathogenic fungi may produce infective spores which are easily dispersed in air, thus examination should be carried out in safety cabinet.

Quality Control

Physical Appearance

Cream to yellow coloured, may have 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 6.51% w/v aqueous solution is pH 5.6 ± 0.2 at 25°C.

pH Range

5.4-5.8

Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 20-25°C for 48-72 hours (Incubate for 7 days for Trichophyton species).

Organisms (ATCC)	Inoculum (CFU)	Growth	Recovery
**Aspergillus brasiliensis ATCC 16404*	50-100	good-luxuriant	>=50%
Candida albicans ATCC 10231	50-100	good-luxuriant	>=50%
Escherichia coli ATCC 25922	>=10^3	inhibited	0%
Lactobacillus casei ATCC 334	>=10^3	inhibited	0%
Saccharomyces cerevisiae ATCC 9763	50-100	good-luxuriant	>=50%
Trichophyton rubrum ATCC 28191	50-100	good-luxuriant	>=50%
Escherichia coli NCTC 9002	>=10^3	inhibited	0%
Escherichia coli ATCC 8739	>=10^3	inhibited	0%

Key : *Formerly known as Aspergillus niger*

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.Carlier G. I. M., 1948, Brit. J. Derm. Syph., 60:61.
2.Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061.
3.Ajello L., 1957, J. Chron. Dis., 5:545.
4.Lorian (Ed.), 1980, Antibiotics In Laboratory Medicine, Williams and Wilkins, Baltimore.
5.Lennette and others (Eds.), 1985, Manual of Clinical Microbiology, 4th 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 in fingement of any patents.Do not use the products if it fails to meet specificatons for identity and performens parameters.