OXALIS Diagnostics Pvt. Ltd.

Technical Data

Sabouraud Dextrose Agar with chloramphenicol. 100 g / 500 g

Used for the isolation cultivation and maintenance of non-pathogenic and pathogenic species of fungi and yeast , aciduric bacteria.

Product Presentation:

Cat No.	Product description	Pack Size
11190040100	Sabouraud Dextrose Agar with chloramphenicol	100 Gram
11190040500	Sabouraud Dextrose Agar with chloramphenicol	500 Gram

Principle

Sabouraud dextrose agar is used for cultivation of yeasts, molds and aciduric bacteria. It is also recommended by IP as a medium for microbial limit testing of pharmaceutical products and raw material used in pharmaceutical industries. Medium is consisting of meat and casein peptone (1:1), dextrose, Chloramphenicol and agar. The meat and casein peptone provide carbonaceous, nitrogenous compounds, long chain amino acids, vitamins and other essential growth nutrients in addition to that the dextrose serves as energy source. The high concentration of dextrose and low pH of medium favor the growth of yeasts and molds and inhibit other contaminating bacteria from pharmaceutical and clinical specimens. Agar is used as solidifying agent. Chloramphenicol inhibits a wide range of gram-positive and gram-negative bacteria making the medium selective for fungi.

Composition

Ingredients	Grams / Litre
Meat and Casein Peptone	10.00
Dextrose	40.00
Agar	15.00
Chloramphenicol	0.05

Final pH (at 25°C) 5.6±0.2

*Formula adjusted, standardized to suit performance parameters

Type of specimen

Pharmaceutical samples, clinical and non-clinical samples.

Specimen Collection and Handling

Ensure that all samples are properly labeled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions

- ✓ Suspend 65.00 g of powder in 1000 mL distilled water.
- ✓ Mix thoroughly.
- ✓ Boil to dissolve the medium completely.
- ✓ Sterilize by autoclaving 121°C for 15 minutes or as per validated cycle.

Storage and Stability

- ✓ Store Dehydrated culture media in cool, dry place at 10°C-30°C away from direct light.
- ✓ Store prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once

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opened keep powdered medium closed to avoid hydration.

Quality Control

Dehydrated Appearance: Light beige colored free flowing, homogeneous powder
Prepared Appearance: Light to medium amber colored slightly opalescent gel forms in petridishes
Growth Promotion Test: Growth promotion is carried out in accordance with the harmonized method of USP/EP/JP/IP and growth is observed after an incubation at 20°C-25°C tor 5-7 days for fungi.

Cultural Response :

Organism	Type Culture	Growth	Incubation Temperature	Incubation Period
Candida albicans	ATCC 10231	Good	20°C -25°C	5-7 days
Aspergillus brasiliensis	ATCC 16404	Good	20°C -25°C	5-7 days
Saccharomyces cerevisiae	ATCC 9736	Good	20°C -25°C	5-7 days

Interpretation of Results

✓ Examination of plates for growth after completion of incubation period.

Warranty

✓ This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.
User must be ensure safe disposal of used or unusable preperation of the products.

Reference

1. Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.
2. *Difco Manual* (1998). 11th Edition. Difco Laboratories., Division of Becton Dickinson and Company, Sparks, Maryland, USA.
3. *Indian Pharmacopoeia*, (2018), Govt. of India, the Controller of Publication, New Delhi

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