OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

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Oxford
Range of
Laboratory Chemicals

TECHNICAL DATA SHEET

Sabouraud Maltose Broth

Principle

The media was formulated by Sabouraud (1892) and is used for the isolation and differentiation of yeast and molds. The media is composed of mycological peptone and maltose. Mycological peptone provides nitrogen, vitamins, minerals, amino acids and growth factors. Maltose provides an energy source for the growth of microorganisms. The low pH favor's fungal growth and inhibits contaminating bacteria and makes it useful for cultivating fungi and aciduric microorganisms.

Use: For the propagation of yeasts and molds, especially the fungi concerned with skin and scalp lesions.

Contents*

Ingredients	Gram/Litre
Mycological	10.00
peptone Maltose	40.00
pH at 25˚C	5.6 ±0.2

*** Formula adjusted for optimum performance and parameters**

Directions: Dissolve 50.00 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121 °C) for 15 min, Cool to 20-25°C and aseptically inoculate test sample.

Specimens types analyzed

Clinical samples - skin and scalp lesions etc

Precautions to be taken

These microbial media are intended for the in-vitro use only. All the handling, experiments, storage, and discarding should be performed with the help of skilled and knowledgeable technicians and as per the established guidelines. The material should be disposed only after proper sterilization by autoclaving. Please go through the MSDS of the media to avoid any accidents or in emergency.

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Performance and Evaluation

The expected performance of the medium is liable to use as per the direction on the label when stored at optimum conditions and within expiry date.

Quality Control

Appearance	**Light beige colored free flowing, homogeneous powder**
Reaction of (5.6% w/v aqueous solution)	**5.6 ±0.2 at 25 ˚C**
pH	**5.40- 5.80**
Color and clarity of ready medium	**Pale yellow colored clear solution**
Negative control	**Performed using sterile distilled water**

Different Microbial Response
Cultural characteristics observed after incubation at 25 - 30°C for 48-72 hours.

Organism	ATCC	Inoculum	Growth
Aspergillus brasiliensis	**16404**	**50-100**	**Luxurious**
Candida albicans	**10231**	**50-100**	**Luxurious**
Saccharomyces cerevisiae	**9736**	**50-100**	**Luxurious**
Escherichia coli*	**8739**	**50-100**	**Luxurious**

Storage and Shelf Life: The product is highly hygroscopic; keep the container tightly closed at all times and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label.
Note: Sterilize media immediately after reconstitution.

Disposal: To avoid the contamination or propagation of any hazardous microbes the used, unusable or modified preparation of this product must be disposed after autoclaving after completion of task.

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Disclaimer:

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