OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

TECHNICAL DATA SHEET

Fungal Agar (Mycological Agar)

Principle

The Fungal agar consists of soya peptone, dextrose and agar. Soya peptone provide nitrogen, amino acids and vitamins for the growth of fungi. Glucose is the fermentable carbohydrate providing carbon and energy; and agar is solidifying agent. It is a basal medium and used for evaluating the antifungal activity of active ingredients. The media is fortified lactic acid to decrease the pH for medium to 4.0, which favors the growth of fungi.

Use: For cultivation and maintenance of fungi.

Contents*

Ingredients	Gram/Litre
Soya peptone	10.00
Dextrose	10.00
Agar	15.00
pH at 25˚C	7.0 ±0.2

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

Directions: Dissolve 35 grams in 1000 ml distilled water. Boil to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121 °C) for 15 min, cool it to 42-45 °C and distribute aseptically. Ensure complete solidification and inoculate test sample aseptically.
For Selective media, acidify the media up to pH 3.0-4.0 by the addition of 20 ml of sterile 10% Lactic Acid Solution.

Specimens' types analyzed

Agriculture and fermentation industrial samples 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.

This document has been produced electronically and it is valid without signature.

OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

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 3.5% solution	**7.0 ±0.2 at 25 ˚C**
pH	**6.80- 7.20**
Gelling	**Firm comparable with 1.5% agar gel**
Color and clarity of ready medium	**Light amber color, clear opalescent gel**
Growth Promotion properties	**Best at ≤ 100 CFU at 22-28 ºC for 48-72 h**

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

Organism	ATCC	Inoculum (CFU)	Growth	Recovery
Aspergillus brasiliensis	16404	50-100	Luxuriant	≥ 70%
Candida albicans	10231	50-100	Luxuriant	≥ 70%
Saccharomyces cerevisiae	9763	50-100	Luxuriant	≥ 70%

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.

Reference

1. **Speck M. L., (Eds.), (1984), Compendium of Methods for the Microbiological Examination of Foods, 2nd Ed., APHA, Washington, D.C**

OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

Disclaimer:

****

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.