

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



TECHNICAL DATA SHEET **Yeast Peptone Dextrose Broth (YEPD)**

Principle

Yeast extract peptone dextrose broth is used for cultivation of wide variety of microorganism and routinely used for cultivation of yeast. The media is composed of peptic digest of animal tissue, yeast extract and dextrose. Peptic digest of animal tissue provides nitrogen, amino acids and trace nutrients. Yeast extract is source of carbon, nitrogen, vitamins and growth factors. Dextrose is source of energy and carbohydrate. Acidic pH of medium favors growth of yeast and molds.

Use: For maintenance and propagation of yeasts in molecular microbiology procedures.

Contents*

Ingredients	Gram/Liter
Peptic Digest of Animal tissue	20.000
Yeast Extract	10.000
Dextrose	20.000
pH at 25°C	6.5 ± 0.2

* Formula adjusted for optimum performance and parameters

Directions: Dissolve 50.00 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 inoculate test sample aseptically.

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.

www.oxfordlabchem.com

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



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	Beige colored free flowing, homogeneous powder
Reaction of 5.00 % solution	6.5 ± 0.2 at 25 °C
pH	6.30 - 6.70
Color and clarity of ready medium	Light amber colored opalescent solution
Growth Promotion properties	Best at ≤ 100 CFU at 22-30°C for 24-72 h
Indicative properties	Optimum at ≤ 100 CFU at 22-30°C for 18-48 h
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 (CFU)	Growth
<i>Saccharomyces cerevisiae</i>	9763	50-100	Luxuriant
<i>Candida albicans</i>	10231	50-100	Luxuriant
<i>Aspergillus brasiliensis</i>	16404	50-100	Luxuriant

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. Atlas, R. M. (2005). Handbook of media for environmental microbiology. CRC press.

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



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.

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

www.oxfordlabchem.com