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

Soya Casein Digest Medium (Tryptone Soya Broth) (Soybean Casein Digest Medium)

Principle

Soyabean casein digest broth is used for cultivation of a wide variety of organisms. It is also recommended by USP, IP, JP and EP for sterility testing and as medium for microbial limit testing of pharmaceutical products and raw material used in pharmaceutical industries. The medium is a highly nutritious and prepared in accordance with the harmonized principles of USP/EP/IP/JP. Medium is consisting of pancreatic digest of casein, papain digest of soyabean, sodium chloride, dipotassium hydrogen phosphate and glucose monohydrate. The pancreatic digest of casein and papain digest of soyabean, provide ample amount of the carbon and nitrogen source and trace minerals in addition to that the glucose monohydrate serves as carbon and energy source. Sodium chloride maintains the osmotic balance and dipotassium hydrogen phosphate act as buffering agent.

Use: Recommended for the cultivation of fastidious microorganisms from clinical and non-clinical samples.

Contents*

Ingredients	Gram/Litre
Pancreatic Digest of Casein	17.00
Papain Digest of Soyabean	3.00
Sodium Chloride	5.00
Dipotassium Hydrogen Phosphate	2.50
Glucose Monohydrate	2.50
pH at 25˚C	7.3 ±0.2

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

Directions: Dissolve 30.00 grams in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 min, cool it to 42-45 °C and inoculate test sample aseptically.

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

Specimens types analyzed

Pharmaceutical samples, clinical and non-clinical 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.

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**
Reaction of 3.0% solution	**7.3 ±0.2 at 25 ˚C**
pH	**7.10- 7.50**
Color and clarity of ready medium	**Light amber, clear solution.**
Growth Promotion properties	**Best at ≤ 100 CFU at 32-37ºC for 18-72 h**
Indicative properties	**Optimum at ≤ 100 CFU at 32-37 ºC for 18-48 h**
Negative control	**Performed using sterile distilled water**

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

Different Microbial Response

Organism	ATCC	Inoculum	Growth	Incubation Temperature	Incubation
Gram-positive bacteria					
Staphylococcus aureus	**25923**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 18-24 hours**
Bacillus spizizenii	**6633**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 18-24 hours**
Gram negative bacteria					
Pseudomonas aeruginosa	**27853**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 18-24 hours**
Salmonella typhi	**6539**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 18-24 hours**
Escherichia coli	**8739**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 18-24 hours**
Yeast and fungi					
Candida albicans	**10231**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 24-48 hours**
Aspergillus brasiliensis	**16404**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 24-48 hours**
Anaerobic bacteria					
Clostridium sporogenes	**19404**	**50-100**	**Luxurious**	**30-37°C**	**30-37°C, 24-48 hours**

Storage and Shelf Life: Hygroscopic; keep container tightly closed. Store in cool dry place.

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.

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

Reference

1. **Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.**
2. **Chapman, G. H. *The significance of sodium chloride in studies of Staphylococci*. J. Bacteriol. 50:201.**
3. ***Difco Manual* (1998). 11th Edition. Difco Laboratories., Division of Becton Dickinson and Company, Sparks, Maryland, USA.**
4. ***Indian Pharmacopoeia*, (2018), Govt. of India, the Controller of Publication, New Delh**
5. **Rand, M. C., Arnold E. Greenberg, and Michael J. Taras, (1976), *Standard methods for the examination of water and wastewater*. Prepared and published jointly by American Public Health Association, American Water Works Association, and Water Pollution Control Federation.**
6. ***The Japanese Pharmacopoeia*, 17th Ed. (2016), The Ministry of Health, Labour And Welfare**
7. ***The United States Pharmacopoeia*, (2014), The United States Pharmacopeial Convention. 12601 Twinbrook Parkway, Rockvukke, MD 20852.**

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.