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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 Agar (Tryptone Soya Agar) (Soyabean Casein Digest Agar)

Principle

Soyabean casein digest agar is used for cultivation of a wide variety of organisms. It is also recommended by USP, IP 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. Medium is consisting of pancreatic digest of casein, papain digest of soyabean, sodium chloride and agar. The pancreatic digest of casein, papain digest of soybean provides ample amount of the carbon and nitrogen source and trace. Sodium chloride maintains the osmotic balance and agar is used as solidifying agent.

Use: Recommended for the isolation and cultivation of fastidious microorganisms from clinical and nonclinical samples.

Contents*

Ingredients	Gram/Litre
Pancreatic Digest of Casein	15.00
Papain Digest of Soyabean	5.00
Sodium Chloride	5.00
Agar	15.00
pH at 25˚C	7.3 ±0.2

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

Directions: Dissolve 40.00 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 distribute aseptically in petri plates and allow to solidify. Ensure complete solidification and inoculate test sample aseptically.

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Specimens types analyzed
Pharmaceutical samples, clinical and non-clinical sample.

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 4.0% solution	**7.30 ±0.2 at 25 ˚C**
pH	**7.10- 7.50**
Gelling	**Firm comparable with 1.5% agar gel**
Color and clarity of ready medium	**Light amber, clear opalescent gel**
Growth Promotion properties	**Best at ≤ 100 CFU at 32-37 ºC 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**

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Different Microbial Response

Organism	ATCC	Growth	Recovery (%)	Incubation
Staphylococcus aureus	25923	Luxurious	90.22	30-37°C, 18-24 hrs
Bacillus spizizenii	6633	Luxurious	90.80	30-37°C, 18-24 hrs
Pseudomonas aeruginosa	27853	Luxurious	88.30	30-37°C, 18-24 hrs
Salmonella typhi	6539	Luxurious	92.31	30-37°C, 18-24 hrs
Escherichia coli	8739	Luxurious	91.86	30-37°C, 18-24 hrs
Candida albicans	10231	Luxurious	60-46%	30-37°C, 24-72 hrs
Aspergillus brasiliensis	16404	Luxurious	72.41%	30-37°C, 24-72 hrs
Clostridium sporogenes	19404	Luxurious	60.43%	30-37°C, 24-72 hrs

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.

Reference

1. **Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.**
2. ***British Pharmacopoeia*, (2011), The Stationery office British Pharmacopoeia**
3. ***Difco Manual* (1998). 11th Edition. Difco Laboratories., Division of Becton Dickinson and Company, Sparks, Maryland, USA.**
4. ***European Pharmacopoeia*, (2011), European Dept. for the quality of Medicines.**
5. ***Indian Pharmacopoeia*, (2018), Govt. of India, the Controller of Publication, New Delh**
6. **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.**
7. ***The Japanese Pharmacopoeia*, 17th Ed. (2016), The Ministry of Health, Labour And Welfare**

***The United States Pharmacopoeia*, (2014), The United States Pharmacopeial Convention. 12601 Twinbrook Parkway, Rockvukke, MD 20852**

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