OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

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Oxford
Range of
Laboratory Chemicals

TECHNICAL DATA SHEET

Saline Tryptone Medium
(Saline Tryptophan Medium)

Principle

Saline Tryptone or Tryptophan Medium is in accordance with ISO 8914:1990. The media is composed of tryptone, DL-tryptophan and sodium chloride. Tryptone provide nitrogenous compounds, sulphur, trace elements and vitamin B complex etc. High concentration of sodium chloride provides condition that facilitates easy recovery of V. parahaemolyticus and restricts the growth of other bacteria. Vibrio parahaemolyticus break down tryptophan into indole and alpha-aminopropionic acid. The presence of indole in the medium can be detected by Kovac's reagent.

Use: For detection of indole production by Vibrio parahaemolyticus.

Contents*

Ingredients	Gram/Litre
Tryptone	10.00
DL-tryptophan	1.00
Sodium Chloride	30.00
pH (at 25°C)	7.5 ±0.2

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

Directions: Dissolve 41.00 grams in 1000 ml purified / distilled water. Heat to dissolve the medium completely. Distribute desired amount in test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Specimens types analyzed

Food and sea food raw materials 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	**Homogeneous Cream to yellow free flowing powder**
Color and clarity of set medium	**Light yellow colored opalescent solution**
Reaction of 4.10 % w/v aqueous solution	**pH: 7.5 ±0.2 at 25°C.**
pH	**7.30– 7.70 at 25°C**
Growth Promotion Properties	**Best at ≤100 CFU at 32-38ºC for 18-72 h**
Indicative Properties	**Optimum at ≤100 CFU at 32-38ºC for 18-48 h**

Different Microbial Response: Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.

Organism	ATCC	Inoculum	Growth	Indole test
Vibrio parahaemolyticus	17802	50-100	Luxuriant	Positive reaction (red ring at the interface of the medium)

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. **International Organization for Standardization (ISO), 8914:1990.**

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