

## Technical Information

### Tryptone Water without Sodium chloride

**Product Code: DM 1463S**

**Application:** Tryptone Water without Sodium chloride for the detection of *Vibrio cholerae* and *Vibrio parahaemolyticus*.

### Composition\*\*

Ingredients	Gms / Litre
Casein enzymic hydrolysate	10.000
Final pH ( at 25°C)	7.4±0.1

\*\*Formula adjusted, standardized to suit performance parameters

### Principle & Interpretation

Tryptone Water without Sodium chloride is recommended by BIS <sup>(1)</sup> for detection of *Vibrio cholerae* and with addition of 8 to 10% sodium chloride for detection of *Vibrio parahaemolyticus*. Casein enzymic hydrolysate provides carbonaceous nitrogenous compounds and other essential growth nutrients.

The test sample for detection of *Vibrio parahaemolyticus* is inoculated in the tubes containing sterile 1% Tryptone Water without Sodium chloride and with 8% and 10% Sodium chloride. The tubes are incubated at 37°C for 24-48 hours. *Vibrio parahaemolyticus* does not grow in the tubes without Sodium chloride.

### Methodology

Suspend 10.0 grams of powder media in 1000 ml distilled water. Shake well & heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For testing *Vibrio parahaemolyticus* add Sodium chloride to a final concentration of 8 or 10% as desired before sterilization.

### Quality Control

#### Physical Appearance

Yellow coloured homogeneous free flowing powder

#### Colour and Clarity of prepared medium

Yellow coloured clear solution without any precipitate.

#### Reaction

Reaction of 1.0% w/v aqueous solution at 25°C. pH : 7.4±0.1

#### pH Range:-

7.30-7.50

#### Cultural Response/Characteristics

DM 1463S: Cultural characteristics observed after an incubation at 35 - 37°C for 24 hours.

Organism	Inoculum (CFU)	Growth without NaCl	Growth with 8% NaCl	Growth with 10% NaCl
<i>Vibrio cholera</i> ATCC 15748	50-100	Positive	negative	negative
<i>Vibrio parahaemolyticus</i> ATCC 17802	50-100	Negative	positive	positive



Dehydrated Culture Media  
Bases / Media Supplements

## Storage and Shelf Life

**Dried Media:** Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.

**Prepared Media:** 2-8<sup>0</sup> in sealable plastic bags for 2-5 days.

## Further Reading

1. Bureau of Indian Standards, 1S:5887 (Part-V) 1976, reaffirmed 1986.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents. Donot use the products if it fails to meet specificatons for identity and performens parameters.

