



PRODUCT SPECIFICATION SHEET

Tryptone Water w/o Sodium Chloride (DM279BS)

Intended Use

Tryptone Water w/o Sodium Chloride (DM279BS) is recommended for detection of *Vibrio cholerae* and *Vibrio parahaemolyticus* as per IS:5887 (Part V) - 1976.

Product Summary and Explanation

Tryptone Water without Sodium chloride is recommended by BIS⁽¹⁾ for detection of *Vibrio cholerae* and with addition of 8 to 10% sodium chloride for detection of *Vibrio parahaemolyticus*.

Principles of the Procedure

Tryptone Water without Sodium chloride contains casein enzymic hydrolysate provides carbonaceous nitrogenous compounds and other essential growth nutrients.

Formula / Liter

Ingredients	Gms / Liter
Casein enzymic hydrolysate	10.00
Final pH: 7.4 ± 0.1 at 25°C	
Formula may be adjusted and/or supplemented as required to meet performance specifications	

Precautions

1. For Laboratory Use only.
2. IRRITANT. Irritating to eyes, respiratory system, and skin.

Directions

1. Suspend 10 grams in one liter of distilled water.
2. Heat, if necessary, to dissolve the medium completely.
3. Dispense as desired and autoclave at 121°C, 15 psi pressure, for 15 minutes / validated cycle.
4. For testing *Vibrio parahaemolyticus* add Sodium chloride to a final concentration of 8 or 10% as desired before sterilization.

Quality Control Specifications

Dehydrated Appearance	Yellow coloured homogeneous free flowing powder
Prepared Medium	Yellow coloured clear solution without any precipitate
Reaction of 1.0% solution	pH 7.4 ± 0.1 at 25°C
Gel Strength	Not Applicable

Expected Cultural Response: Cultural characteristics observed after an incubation at 35 - 37°C for 24 hours.

Sr. No.	Organisms	Results to be achieved			
		Inoculum (CFU)	Growth without NaCl	Growth with 8% NaCl	Growth with 10% NaCl
1.	<i>Vibrio cholerae</i> ATCC 15748	50-100	positive	negative	negative
2.	<i>Vibrio parahaemolyticus</i> ATCC 17802	50-100	negative	positive	positive

The organisms listed are the minimum that should be used for quality control testing.





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Test Procedure

1. When testing for *Vibrio parahaemolyticus* the test sample is inoculated in the tubes containing sterile 1% Tryptone Water without Sodium chloride and with 8% and 10% Sodium chloride.
2. The tubes are incubated at 37°C for 24-48 hours.
3. Refer to appropriate references for standard test procedures.

Results

Vibrio parahaemolyticus does not grow in the tubes without sodium chloride. Refer to appropriate references and standard test procedures for interpretation of results.

Storage

Store the sealed bottle containing the dehydrated medium at 10 - 30°C. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light.

Expiration

Refer to the expiration date stamped on the container. The dehydrated medium should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to medium in its intact container when stored as directed.

Limitations of the Procedure

1. For identification, organisms must be in pure culture. Morphological, biochemical and/or serological tests should be performed for final identification.
2. Consult appropriate texts for detailed information and recommended procedures.

Packaging

Product Name : Tryptone Water w/o Sodium Chloride

Product Code : DM279BS

Available Pack sizes : 100gm / 500gm

References

1. Bureau of Indian Standards, 15:5887 (Part-V) 1976, reaffirmed 1986.

Further Information

For further information please contact your local MICROMASTER Representative.



MICROMASTER LABORATORIES PRIVATE LIMITED

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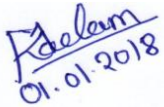

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