TM 119- GLUCOSE SALT TEEPOL BROTH (DOUBLE PACK)
(IS : 5887 (Part V) 1976, reaffirmed 2005)

INTENDED USE
For enrichment of *Vibrio parahaemolyticus* in drinking water.

PRODUCT SUMMARY AND EXPLANATION
Glucose salt teepol broth is used for enrichment of *Vibrio parahaemolyticus* in drinking water. The formulation of this medium is recommended by BIS for the enrichment of *Vibrio parahaemolyticus* and also used to enumerate the bacteria by MPN technique.

COMPOSITION

Ingredients	Gms / Ltr
Part I	
Sodium chloride	30.000
Peptic digest of animal tissue	10.000
Glucose	5.000
Meat extract	3.000
Methyl violet	0.002
Part II	
Teepol	4.000

PRINCIPLE

Meat Extract and peptic digest of animal tissue serve as a essential nitrogenous source. Glucose is utilized by the organism while teepol inhibits the migration of halophilic organisms and the growth of the gram-positive organisms. High percentage of sodium chloride (3%) helps for the better enrichment of halophilic *Vibrio parahaemolyticus.* The test sample should be held under moderate refrigeration (about 7 to 10°C) and should be analyzed as soon as possible, after collection as possible. This maximizes the survival and recovery of Vibrio's.

INSTRUCTION FOR USE
1. Dissolve 48.00 grams of Part I in 1000ml distilled water containing 4.00 grams of Part II.
2. Gently heat to boiling with gentle swirling and dissolve the medium completely.
3. Dispense in tubes as desired.
4. Sterilize by autoclaving at 15 psi (121°C) for 15 minutes.
5. Cool at 45-50°C prior to use.

QUALITY CONTROL SPECIFICATIONS

Appearance of Dehydrated Powder-Part I	:	Cream to yellow, Homogeneous free flowing powder
Part II		Colourless viscous liquid
Appearance of Prepared medium	:	Violet coloured clear solution with slight precipitate
pH (at 25°C)	:	8.8± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation period
Vibrio parahaemolyticus	17802	50-100	Good-Luxuriant	35-37°C	18-24 Hours
Vibrio aglinolyticus	17749	50-100	Good-Luxuriant	35-37°C	18-24 Hours

PACKAGING:

In 100 & 500 gm packaging size.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°C and protect from direct Sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use powder if they show evidence of microbial contamination, discoloration, drying, or other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Bureau of Indian Standards, IS : 5887 (Part V) 1976, reaffirmed 1986.
2. Speck M.L. (Ed.), 1984, Compendium of Methods for the Microbiological Examination of Foods, 2nd ed., APHA. Washington D.C.

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**

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