Glucose Salt Teepol Broth (Twin Pack)

Intended Use
Glucose Salt Teepol Broth is used for enrichment of *Vibrio parahaemolyticus* and marine isolates.

Summary
Glucose Salt Teepol Broth is a special media used to enrich *Vibrio parahaemolyticus* from sea foods and also used to enumerate the bacteria by MPN technique. *V. parahaemolyticus* is a Gram-negative marine bacterium, which causes seafood-borne gastroenteritis in humans. Fujino and co-workers were the first to isolate *Vibrio parahaemolyticus* as a causative agent of food-borne gastroenteritis, following a large outbreak in Japan.

Principle
Peptic digest of animal tissue and cara beef extract provide essential nitrogenous nutrients and the high percentage of sodium chloride (3%) helps for the better enrichment of halophilic *V. parahaemolyticus*. Glucose is utilized while teepol inhibits the growth of Gram-positive organisms.

Formula*

Ingredients	**g/L**
PART A	
Peptic Digest of Animal Tissue	10.0
Cara Beef Extract#	3.0
Sodium Chloride	30.0
Glucose	5.0
Methyl Violet	0.002
PART B	
Teepol	4 mL
Final pH (at 25°C)	8.8 ± 0.2

*Adjusted to suit performance parameters.
Equivalent to Beef Extract

Storage and Stability
Store dehydrated medium below 30°C in tightly closed container and the prepared medium at 2ºC-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Type of Specimen
Food samples

Specimen Collection and Handling
Ensure that all samples are properly labelled.
Follow appropriate techniques for handling samples as per established guidelines.
Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure.
The samples must be stored and tested within the permissible time duration.
After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions
1. Dissolve 48.00 g of the powder of Part A in 1000 mL purified / distilled water and add 4.00 mL of Part B.
2. Mix thoroughly.
3. Heat gently to dissolve powder completely. Do not boil.
4. Dispense in tubes or adequate containers
5. Sterilize by autoclaving at 121°C (15 psi) for 15 minutes as per validated cycle.

Quality Control

Dehydrated appearance: Part A: Light yellow coloured, homogenous, free flowing powder.
Part B: Yellow to amber coloured viscous liquid.
Prepared Appearance: Purple coloured, clear solution with or without slight precipitate.
Cultural response: Cultural characteristics observed after an incubation of 18-24 hours at 30°C-35°C.

Organism (ATCC)	Growth
Vibrio parahaemolyticus (17802)	Good

Performance and Evaluation

Performance of the product is dependent on following parameters as per product label claim:

1. Directions
2. Storage
3. Expiry

Precautions/Limitations

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 *Vibrios* and reduces the tendency for overgrowth by indigenous marine microflora.

Warranty

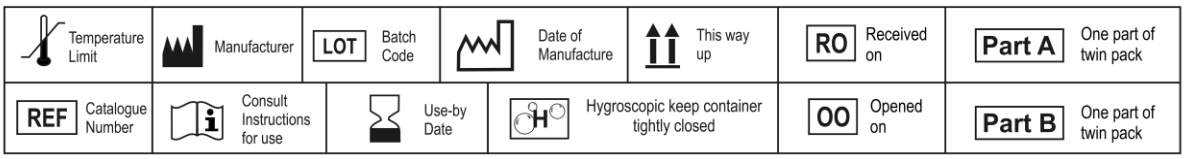
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference

1. Vanderzant C. and Splittstoesser D. F., (Eds.), 1992, Compendium of Methods for the Microbiological Examination of Foods, 3rd Ed., APHA, Washington, D.C.
2. Thompson F. L., T. Iida and Swings J., 2004, Biodiversity of Vibrios, Microbiol. Mol. Biol. Rev., 68: 403-431.
3. Fujino T., Okuno Y., Nakada D., Aoyama A., Fukai K., Mukai T. and Ueho T., 1953, Med. J. Osaka Univ., 4:299-304.
4. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
201070060500	Dehydrated Culture Media	500 g



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Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.