

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1812	Saline Tryptone / Tryptophan Medium				
Formula					
Ingredients:	gms./lit				
Tryptone	10.00				
DL-Tryptophan	1.00				
Sodium chloride	30.00				
Final pH (at 25°C) :	7.5 ± 0.2				
Directions :	Suspend 41 grams in 1000 ml distilled water. Heat, if necessary to dissolve the medium completely. Mix well and dispense in quantities of 5ml into test tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.				
Principle :	Tryptone provide nitrogenous compounds, sulphur, trace elements and vitamin B complex etc. High concentration of sodium chloride and alkaline pH of the medium provides condition that facilitates easy recovery of V. parahemolyticus and restrict the growth of other bacteria. Vibrio parahemolyticus break down tryptophane into indole and alpha-aminopropionic acid. The presence of indole in the medium can be detected by Kovac's reagent (BA068).				
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to light yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.5 ± 0.2			
	Colour (post autoclaving/heating) :	Light yellow			
	Clarity (post autoclaving/heating) :	Clear			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18-24 hrs. at 35-37°C.				
	MICROORGANISM (ATCC)	INDOLE REACTION			
	Vibrio parahaemolyticus ATCC 17802	Luxuriant, positive reaction, red ring at the interface of the medium on addition of Kovac's reagent (BA068)			
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :	Saline Tryptone/ Tryptophan Medium are in accordance with ISO 8914:1990 recommended for detection of Vibrio parahaemolyticus on the basis of Indole production.				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation(500g)	pH (25°C)	Supplement	Sterilization
B1812	41 g/l	12.195 g/l	7.5 ± 0.2	NIL	121 ⁰ C /15 min.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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