

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1272	TRYPTONE BROTH w/o SODIUM CHLORIDE				
Formula					
Ingredients :					
	gms/lit.				
Casein enzymic hydrolysate	10.00				
Final pH (at 25°C) : 7.4 ± 0.1					
Directions :					
Suspend 10 gms. in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes & sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For testing <i>Vibrio parahaemolyticus</i> add Sodium chloride to a final concentration of 8 or 10% as desired before sterilization.					
Principle :					
Tryptone Broth without Sodium chloride is recommended by BIS (1) for detection of <i>Vibrio cholerae</i> and with addition of 8 to 10% sodium chloride for detection of <i>Vibrio parahaemolyticus</i> . Casein enzymic hydrolysate provides carbonaceous nitrogenous compounds and other essential growth nutrients. When testing for <i>Vibrio parahaemolyticus</i> the test sample 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. <i>Vibrio parahaemolyticus</i> does not grow in the tubes without Sodium chloride.					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.4 ± 0.1				
Colour (post autoclaving/heating) :	Yellow				
Clarity (post autoclaving/heating) :	Clear				
(III) Q.C. Test Microbiological					
Cultural characteristics observed for 24 hrs. at 35- 37°C.					
MICROORGANISM (ATCC)	GROWTH WITHOUT NACL	GROWTH WITH 8% NACL	WITH	GROWTH WITH 10% NACL	GROWTH
<i>Vibrio cholerae</i> (15748)	Positive	Negative		Negative	
<i>Vibrio parahaemolyticus</i> (17802)	Negative	Positive		Positive	At 42°C with added sodium chloride
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 :					
For detection of <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i> as per Indian standard published by BIS					
Storage :					
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.					
Packing :					
500 gm. bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1272	10g/l	50L	7.4 ± 0.1	NIL	121°C /15min.

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 BIOMARK LABORATORIES publications.

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