

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B504	GLUCOSE SALT TEEPOL BROTH (Twin Pack)				
Formula					
Ingredients :		gms/lit.			
Part A :					
Peptic digest of animal tissue	10.00				
Meatextract#		3.00			
Sodium chloride		30.00			
Glucose	5.00				
Methyl violet		0.002			
# - Equivalent to Beef extract					
Part B :					
Teepol		4.00			
Final pH (at 25°C) : 8.8 ± 0.2					
Directions :					
Suspend 48 gms. of Part A in 1000 ml. distilled water. Containing 4 ml of. Part B. Heat gently to dissolve the medium completely. Dispense in tubes as desired & sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Peptic digest of animal tissue and beef extract provide essential nitrogenous nutrients and high percentage of sodium chloride (3%) helps for the better enrichment of halophilic <i>Vibrio parahaemolyticus</i> . Glucose is utilized by the organism while teepol inhibits the migration of halophilic organisms and the growth of the gram – positive organisms.					
QC Tests – (I)Dehydrated Medium					
Colour :	Part A :Cream to light yellow Part B : Light yellow				
Appearance :	Part A: Homogeneous Free Flowing powder,Part B : Viscous liquid				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	8.8 ± 0.2				
Colour (post autoclaving/heating) :	Purple				
Clarity (post autoclaving/heating) :	Clear solution with a very slight precipitate.				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18- 24 hrs. at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH				
<i>Vibrio parahaemolyticus</i> (17802)	Good -Luxuriant				
<i>Vibrio alginolyticus</i> (17749)	Good -Luxuriant				
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 enrichment of <i>Vibrio parahaemolyticus</i> and marine isolates.				
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
B504	48g/l	10.41 L	8.8 ± 0.2	nil	121°C / 15 minutes

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.