

TECHNICAL SHEET

B1322	MODIFIED LAURYL SULPHATE TRYPTOSE BROTH BASE				
Formula					
Ingredients:		gms/lit.			
Enzymatic digest of animal and plant tissue		20.00			
Lactose		5.00			
Sodium chloride		34.00			
Dipotassium hydrogen phosphate		2.75			
Potassium dihydrogen phosphate		2.75			
Sodium lauryl sulphate		0.10			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 64.6 grams in 1000 ml distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add rehydrated contents of vial of Vancomycin Supplement (BF146). Mix well and distribute in tubes.					
Principle :					
Enzymatic digest of animal and plant tissue provides the essential growth nutrients along with nitrogenous and carbonaceous compound. Sodium chloride maintains the osmotic balance. Potassium phosphates provide buffering system. Sodium lauryl sulphate inhibits organisms other than coliforms.					
QC Tests - (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear solution without any precipitate			
(III)Q.C. Test Microbiological					
Cultural characteristics observed with added Vancomycin Supplement (BF146) after an incubation at 44°C for 18- 24 hours.					
MICROORGANISM (ATCC)		GROWTH			
Cronobacter sakazakii (12868)		good-luxuriant			
Enterobacter aerogenes (13048)		good-luxuriant			
Escherichia coli (25922)		good-luxuriant			
Enterococcus faecalis (29212)		Inhibited			
Staphylococcus aureus (25923)		Inhibited			
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 :	It is recommended as a pre-enrichment medium for Cronobacter sakazakii from milk and milk products.				
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
B1322	64.6 g/l	7.739 L	6.8 ± 0.2	Vancomycin Supplement (BF146)	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.