

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1322</b>	<b>MODIFIED LAURYL SULPHATE TRYPTOSE BROTH BASE</b>					
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/lit.</b>				
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						
<b>Directions :</b>						
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.						
<b>Principle :</b>						
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.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear solution without any precipitate				
<b>(III) Q.C. Test Microbiological</b>						
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				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		It is recommended as a pre-enrichment medium for Cronobacter sakazakii from milk and milk products.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1322</b>		64.6 g/l	7.739 L	6.8 ± 0.2	Vancomycin Supplement (BF146)	121°C/15 minutes.