

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B 1410</b>	<b>Modified Lauryl sulfate tryptose broth ISO</b>	
<b>Formula</b>		
<b>Ingredients:</b>	<b>gms/lit.</b>	
Proteose Peptone	20.00	
Lactose	5.00	
Sodium chloride	34.00	
Dipotassium phosphate	2.75	
Monopotassium 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
<b>(III) Q.C. Test Microbiological</b>		
	Cultural characteristics observed after 18- 24 hrs at 35-37°C.	
	MICROORGANISM (ATCC )	GROWTH
	Cronobacter sakazakii ATCC 12868	Luxuriant
	Enterobacter aerogenes ATCC 13048	Luxuriant
	Escherichia coli ATCC 25922	Luxuriant
	Enterococcus faecalis ATCC 29212	Inhibited
	Staphylococcus aureus ATCC 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>	Modified Lauryl Sulphate Tryptose Broth Base is recommended as a pre-enrichment medium for Cronobacter sakazakii from milk and milk products.	
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared mediums– Between 2 to 8°C.	
<b>Packing :</b>	500 gm. bottle	

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<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1410</b>	64.6 g/l	7.73 lit	6.8 ± 0.2	Vancomycin Supplement (BF146)	121 <sup>0</sup> 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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