BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B1194								
B1194 LACTOSE BROTH Formula								
Ingredients : gms/lit.								
Peptic digest of animal tissue 5.00								
Beef extract	.00 8.00							
Lactose monohyd	.00							
Final pH (at 25°C		J	.00					
Directions :	.). 0.9 <u>+</u> 0.2							
	ns in 1000 ml distil	led wat	for Hoat if no	ressar	v to diss	olve the medi	ım completely	
For larger inocula (10 ml or more), concentrated medium may be prepared to account for medium dilution by the inoculum. Dispense in 5 ml amounts in tubes containing inverted Durhams tube as								
desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired, for detecting acid production, 3 ml of an aqueous solution of bromocresol purple								
(prepared by grinding 0.5 g of bromocresol purple in 100 ml of 0.01 N sodium hydroxide until								
dissolved) may be added to one litre of the medium.								
Principle :								
	nimal tissue and b	eef ext	ract supply e	ssentia	l nutrier	nts to the orga	nisms. Lactose	
Peptic digest of animal tissue and beef extract supply essential nutrients to the organisms. Lactose is a fermentable carbohydrate for the coliforms. Present formulation is recommended by BIS for								
detection and estimation of coliform bacteria in food stuff as a confirmatory medium. Formation of gas in the lactose tubes indicates presence of coliforms.								
QC Tests - (I)D								
Colour :			Cream to yellow					
Appearance :			Homogeneous Free Flowing powder					
(II)Rehydrated								
pH (post autoclaving/heating) :			6.9 ± 0.2					
Colour (post autoclaving/heating) :			Light to medium amber					
Clarity (post autoclaving/heating) :			Clear					
(III)Q.C. Test M								
	cteristics observed	after1	8- 48 hrs at 3	5-37%	-			
			ROWTH	GAS				
· · · · · · · · · · · · · · · · · · ·			uxuriant	+				
			uxuriant	+				
			uxuriant	-				
			uxuriant	_				
Precautions :	1. For Laborator							
Frecautions .	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 m							Sciality De	
Use :		or the detection of coliform bacteria in water, foods, dairy products. It is						
	recommended by BIS committee under the specifications IS:5401-1969.							
Storage : Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
Packing :	500 gm. bottle							
Product profile:		ity on	y on pH (25°C) Su			Sterilization		
i i oddee pi onie.		-	•		(23 0)	Supplement	Stermzation	
_		Prena	ration (500a)					
B1194	13 g/l	28.46	ration (500g) lit	69	± 0.2	Nil	121ºC/15 min	