

B183	ELLIKER BROTH (LACTOBACILLI BROTH)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		20.00			
Yeast extract		5.00			
Gelatin		2.50			
Dextrose		5.00			
Lactose		5.00			
Saccharose		5.00			
Sodium chloride		4.00			
Sodium acetate		1.50			
Ascorbic acid		0.50			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 48.5 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate, yeast extract, dextrose, lactose, sucrose provide nitrogen, carbon and other growth factors. With the addition of ascorbic acid, medium becomes slightly acidic which supports growth of Lactobacilli. Sodium acetate has inhibitory effect on gram - negative bacteria and moulds, without affecting the growth of Lactobacillus species.					
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 amber			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 - 48 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Lactobacillus casei (7469)		Luxuriant			
Lactococcus lactis (19435)		Luxuriant			
Lactobacillus plantarum (8014)		Luxuriant			
Streptococcus cremoris (19527)		Luxuriant (incubated at 30-32°C)			
Streptococcus thermophilus (14486)		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 cultivation of Lactobacilli and Streptococci of importance in dairy industry. It can also be used for clinical sample.				
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
B183	48.5g/l	10.30L	6.8 ± 0.2	Nil	121°C / 15 minutes

Refer disclaimer Overleaf

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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