

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B219		LACTOBACILLUS MRS BROTH				
Formula						
Ingredients :		gms/lit.				
Proteose peptone		10.00				
Beef extract		10.00				
Yeast extract		5.00				
Dextrose		20.00				
Polysorbate 80		1.00				
Ammonium citrate		2.00				
Sodium acetate		5.00				
Magnesium sulphate		0.10				
Manganese sulphate		0.05				
Disodium phosphate		2.00				
Final pH (at 25°C) : 6.5 ± 0.2						
Directions :						
Suspend 55.15 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Distribute in tubes, bottles or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Proteose peptone and beef extract supply nitrogenous and carbonaceous compounds. Yeast extract provides vitamin B complex and dextrose is the fermentable carbohydrate and energy source. Polysorbate 80 supplies fatty acids required for the metabolism of Lactobacilli. Sodium acetate and ammonium citrate inhibit Streptococci, molds and many other microorganisms.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.5 ± 0.2				
Colour (post autoclaving/heating) :		Cream to medium amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours or longer. (with 5% CO ₂)						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus fermentum (9338)		Luxuriant				
Lactobacillus leichmannii (7830)		Luxuriant				
Lactobacillus plantarum (8014)		Luxuriant				
Lactobacillus casei (9595)		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 all Lactobacillus species.				
Storage :		Dehydrated medium and prepared medium – Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B219		55.15g/l	9.066 lit	6.5 ± 0.2	Nil	121°C/15 min