

B857	M17 AGAR BASE WITHOUT LACTOSE				
Formula					
Ingredients :		gms/lit.			
Casein enzymichydrolysate		5.00			
Papaic digest of soyabean meal		5.00			
Yeast extract		2.50			
Meat extract		5.00			
Ascorbic acid		0.50			
Magnesium sulphate		0.25			
Disodium – β-glycerophosphate		19.00			
Agar		11.00			
Final pH (at 25°C) :		6.9+ 0.2			
Directions :					
Suspend 48.25 gms in 950ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add 50ml of 10% w/v separately sterilized lactose solution to medium. Mix well and dispense as desired.					
Principle :					
Casein enzymichydrolysate, papaic digest of soyabean meal, yeast extract, meat extract provide carbonaceous nitrogenous compounds, vitamin B complex and other essential growth factors. Lactose is the fermentable carbohydrate and ascorbic acid is stimulatory for the growth of lactic Streptococci. Magnesium sulphate provides essential ions to the organisms.					
QC Tests – (I)Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.9 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24-48 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Escherichia coli (25922)		Good - Luxuriant			
Lactobacillus leichmanni (4797)		Good - Luxuriant			
Lactobacillus plantarum (8014)		Good - Luxuriant			
Enterococcus faecalis (29212)		Good - Luxuriant			
Streptococcus thermophilus (14486)		Good - Luxuriant			
Lactobacillus bulgaricus (11842)		None - poor			
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 lactic Streptococci and plaque assay of lactic bacteriophages.				
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
B857	48.25 g/l	10.36L	6.9 ± 0.2	10% w/v separately sterilized lactose solution	121 ⁰ C / 15 minutes

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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