

B855		M17 AGAR WITH GLYCEROPHOSPHATE				
Formula						
Ingredients :		gms/lit.				
Papaic digest of soyabean meal		5.00				
Biopeptone		5.00				
Yeast extract		2.50				
Beef extract		5.00				
Ascorbic acid		0.50				
Magnesium sulphate		0.25				
Lactose		5.00				
Disodium – β-glycerophosphate		19.00				
Agar		10.00				
Final pH (at 25°C) :		7.1 ± 0.2				
Directions :						
Suspend 52.25 gms in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
Principle :						
Papaic digest of soyabean meal, biopeptone, yeast extract, beef 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) :		7.1 ± 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
B855	52.25 g/l		9.569L	7.1 ± 0.2	Nil	121°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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