

**BIOMARK Laboratories-INDIA**  
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**TECHNICAL SHEET**

<b>B858</b>	<b>M17 AGAR BASE</b>				
<b>Formula</b>					
<b>Ingredients :</b>			<b>gms/lit.</b>		
Peptic digest of animal tissue			5.00		
Papaic digest of soyabean meal			5.00		
Yeast extract			2.50		
Meat Extract B#			5.00		
Ascorbic acid			0.50		
Magnesium sulphate			0.25		
Lactose			5.00		
Agar			10.00		
#- Equivalent to Beef extract					
Final pH (at 25°C) :			7.1 ± 0.2		
<b>Directions :</b>					
Suspend 33.25 grams in 1000 ml distilled water. Add 19 grams of Disodium β-Glycerophosphate. 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.					
<b>Principle :</b>					
Peptic digest of animal tissue, papaic digest of soyabean meal, yeast extract, Meat Extract B, 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.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :		Light yellow		
	Appearance :		Homogeneous Free Flowing powder		
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :		7.1 ± 0.2		
	Colour (post autoclaving/heating) :		Light yellow		
	Clarity (post autoclaving/heating) :		Clear to slightly opalescent		
<b>(III) Q.C. Test Microbiological</b>					
	Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours with added Disodium β Glycerophosphate.				
	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		
<b>Precautions :</b>		1. For Laboratory Use.			
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.			
<b>Use :</b>		For cultivation of lactic Streptococci and plaque assay of lactic bacteriophages.			
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.			
<b>Packing :</b>		500 gm. bottle			
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement
<b>B858</b>		33.25 g/l	15.037L	7.1 ± 0.2	Disodium B- Glycero - phosphate
					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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