

**TECHNICAL SHEET**

<b>B686</b>	<b>MODIFIED LETHEEN AGAR</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue			10.00		
Casein enzymic hydrolysate			10.00		
Meat extract B#			3.00		
Yeast extract			2.00		
Sodium chloride			5.00		
Lecithin 1.00					
Polysorbate 80			7.00		
Dextrose 1.00					
Sodium bisulphite 0.10					
Agar 15.00					
# Equivalent to Beef Extract					
Final pH (at 25°C): 7.2 ± 0.2					
<b>Directions:</b>					
Suspend 54.1 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
<b>Principle:</b>					
In the medium, peptic digest of animal tissue, casein enzymic hydrolysate, beef extract and yeast extract provide nitrogenous compounds, carbon, Sulphur and trace ingredients. Dextrose serves as an energy source. Lecithin neutralizes quaternary ammonium compounds and polysorbate 80 is added to nullify phenolic compounds, hexachlorophene, and formalin and along with lecithin neutralize ethyl alcohol.					
<b>QC Tests – (I) Dehydrated Medium</b>					
	Colour:	Cream to yellow			
	Appearance:	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating):	7.2 ± 0.2			
	Colour (post autoclaving/heating):	Yellow			
	Clarity (post autoclaving/heating):	Slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 – 48 hours at 35-37°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Escherichia coli (25922)	Luxuriant			
	Staphylococcus aureus (25923)	Luxuriant			
	Staphylococcus aureus (6538)	Good-Luxuriant			
<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 screening cosmetic products for microbial contamination as per FDA.				
<b>Storage:</b>	Dehydrated medium- below 8°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	Sterilization
<b>B686</b>	54.1 g/l	9.242 lit	7.2 ± 0.2	Nil	121°C/15 min

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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