

TECHNICAL SHEET

B736	STANDARD METHODS AGAR with TWEEN 80 & LECITHIN				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		5.00			
Yeast extract		2.50			
Dextrose		1.00			
Lecithin		0.70			
Polysorbate 80 (Tween 80)		5.00			
Agar		15.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 29.2 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate provides amino acids while yeast extract supplies vitamin B complex and dextrose gives energy to microorganisms. Polysorbate 80 and lecithin act as neutralizers to inactivate the residual disinfectants where the samples are collected. Lecithin inactivates quaternary ammonium compounds whereas polysorbate 80 neutralizes formalin, phenolic disinfectants, hexachlorophene etc.					
QC Tests – (I) Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 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)		Luxuriant			
Staphylococcus aureus (25923)		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 sanitary examination of surfaces, that is, for counts before and other application of disinfectants.				
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
B736	29.2g/l	17.123L	7.0 ± 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 BIOMARK LABORATORIES publications.

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