

TECHNICAL SHEET

B747	STARCH MILK AGAR					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Yeast Extract		1.50				
Beef extract		1.50				
Skim milk powder		1.00				
Starch, soluble		1.00				
Agar		15.00				
Final pH (at 25°C) :		7.2 ± 0.2				
Directions :						
Suspend 25.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes. Mix well before pouring into sterile Petri plates.						
Principle :						
Peptic digest of animal tissue, beef extract and yeast extract are sources of nitrogen and other growth factors. Skim milk powder acts a source of casein while starch serves as an energy source which also neutralizes the toxic metabolites. Agar is the solidifying agent.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		slightly opalescent gel				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 48 hrs.at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus cereus (10876)		Luxuriant				
Bacillus coagulans (8038)		Luxuriant				
Bacillus subtilis (6633)		Luxuriant				
Bacillus thuringiensis (10792)		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 :		It is used for the detection of spores in heated milk and milk products.				
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
B747		25 g/l	20.0 L	7.2 ± 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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