

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B256	MILK AGAR					
Formula						
Ingredients:		gms/lit.				
Peptone		5.00				
Yeast extract		3.00				
Milk solids		1.00				
Agar		15.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 24.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.						
Principles :						
Peptone and yeast extract provide essential nutrients while Milk solids are a source of casein. Dextrose is the carbon and energy source. Proteolytic bacteria will be surrounded by a clear zone, due to the conversion of casein into soluble nitrogenous compounds. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :					Cream to light yellow	
Appearance :					Homogeneous Free Flowing powder	
(II) Rehydrated medium						
pH (post autoclaving/heating) :					7.2 ± 0.2	
Colour (post autoclaving/heating) :					Cream to light yellow	
Clarity (post autoclaving/heating) :					Slightly opalescent	
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus subtilis (6633)		Good - Luxuriant				
Lactobacillus casei (9595)		Good - Luxuriant				
Pseudomonas aeruginosa (27853)		Good - Luxuriant				
Staphylococcus aureus (25923)		Good - Luxuriant				
Serratia marcescens (8100)		Good - 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 enumeration of bacteria in milk and milk products, rinse waters, ice creams etc.				
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
B256		24g/l	20.833L	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 BIOMARKLABORATORIES publications.

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