

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