

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B225		LITMUS MILK				
Formula						
Ingredients :		gms/lit.				
Skim milk powder		100.00				
Litmus		0.50				
Sodium sulphite		0.50				
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 101 grams in 1000 ml distilled water, agitating continuously. Dispense 10 ml amounts into 15 x 150 mm tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 5 minutes. AVOID OVERHEATING.						
Principle :						
Skim milk is a source of nutrients. The addition of a litmus indicator to milk expands its usefulness as a differential medium. Litmus incorporated in milk is both a pH indicator and an oxidation reduction indicator.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light purple powder with slight particles				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light purple				
Clarity (post autoclaving/heating) :		Opaque milky solution				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after up to 14 days at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH		REACTION		
Lactobacillus acidophilus (13124)		Good – luxuriant		Acid clot (pink)		
Clostridium perfringens (3524)		Good – luxuriant		Stormy fermentation (Gas)		
Pseudomonas aeruginosa (27853)		Good – luxuriant		Peptonization (Clearing)		
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 maintenance of Lactobacilli and for determining the action of bacteria on milk.				
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
B225		101 g/l	4.95 lit	6.8 ± 0.2	nil	121°C/5 min