

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B225</b>	<b>LITMUS MILK</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Skim milk powder		100.00				
Litmus		0.50				
Sodium sulphite		0.50				
Final pH (at 25°C) : 6.8 ± 0.2						
<b>Directions :</b>						
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.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Light purple powder with slight particles				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light purple				
Clarity (post autoclaving/heating) :		Opaque milky solution				
<b>(III) Q.C. Test Microbiological</b>						
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)		
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For maintenance of Lactobacilli and for determining the action of bacteria on milk.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B225</b>		101 g/l	4.95 lit	6.8 ± 0.2	nil	121°C/5 min

**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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