

**TECHNICAL SHEET**

<b>B621</b>	<b>MILK MEDIUM W/REDUCING AGENT</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Skim milk		100.00			
Peptic digest of animal tissue		10.00			
Sodium thioglycollate		0.50			
Litmus		5.00			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 115.5 gms. in 1000 ml. distilled water agitating continuously. Sterilize by autoclaving at 15 lbs pressure (121°C) for 5 minutes.					
<b>Principle :</b>					
Skim milk is the source of nutrients. Peptone is the source of nitrogen and carbon. Thioglycollate prevents stormy fermentation by clostridium species. Addition of litmus indicator to the medium expands its usefulness as a differential medium. Litmus acts as both a pH indicator and an –oxidation reduction indicator.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Grayish purple			
Appearance :		Homogeneous Free Flowing powder, may have slight particles.			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light purple			
Clarity (post autoclaving/heating) :		Opaque			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after upto 7 days at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH		REACTION	
Clostridium perfringens (12924)		Luxuriant		R,C	
Clostridium sporogenes (11437)		Luxuriant		R,C	
Key : R = Reduction, white medium C = Clot formation, milk protein coagulation w/o stormy fermentation.					
<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 determination of litmus reaction of Clostridium species.			
<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)	
<b>B621</b>		115.5g/l		4.329L	
		pH (25°C)		Supplement	
		7.0 ± 0.2		nil	
		Sterilization		121°C / 5 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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