

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1466	LACTOSE GELATIN MEDIUM				
Formula					
Ingredients :				gms/lit.	
Lactose	10.00				
Enzymatic Hydrolyzed of Casein	15.00				
Yeast extract	10.00				
Phenol red	0.05				
Gelatin	120.00				
Final pH (at 25°C) : 7.5 ± 0.2					
Directions :					
Suspend 155 gms. in 1000 ml. distilled water. Heat to dissolve the medium completely and dispense 10 ml amounts in 15x150 mm screw capped tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Just before use, heat to boiling to remove dissolved oxygen and cool rapidly to incubation temperature.					
Principle :					
Lactose is the fermentable sugar and phenol red acts as pH indicator which changes from red to yellow due to acid production.					
QC Tests – (I) Dehydrated Medium					
	Colour :				Pink
	Appearance :				Granules with powder
(II) Rehydrated medium					
	pH (post inspissation) :				7.5 ± 0.2
	Colour (post inspissation) :				Orange to red
	Clarity (post inspissation) :				Clear to slightly opalescent
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after 48 -72 hrs. at 35-37°C when incubated anaerobically.				
	MICROORGANISM (ATCC)				GELATIN LIQUEFACTION
	Clostridium perfringens (13124)				+
	Clostridium sporogenes (11437)				+
	+ = Positive				
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 detection of Clostridium species from food samples. Recommended by ISO 7937:2004				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1466	155 g/l	3.225 lit	7.5 ± 0.2	Nil	121°C/15 min

Refer disclaimer Overleaf

Disclaimer:

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