

TECHNICAL SHEET

B1307	GLUCOSE AGAR				
Formula					
Ingredients :		gms/lit.			
Tryptone		10.00			
Yeast extract		1.50			
Glucose		10.00			
Sodium chloride		5.00			
Bromocresol purple		0.015			
Agar		15.00			
Final pH (at 25°C) :		7.0 ± 0.2			
Directions :					
Suspend 41.52 gms 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.					
Principle :					
Yeast Extract and Tryptone provide nitrogen, amino acids and vitamins. Glucose in the medium provides the energy source and when fermented produces acid. The production of acid is indicated by yellow colour, as the indicator bromocresol purple turns yellow under acidic conditions. Sodium chloride maintains osmotic equilibrium.					
QC Tests - (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Cream to yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hrs at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		COLOR OF MEDIUM	
Enterobacter aerogenes (13048)		Good-luxuriant		Yellow	
Escherichia coli (25922)		Good-luxuriant		Yeollw	
Pseudomonas aerogenosa (27853)		Good-luxuriant		Colourless	
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 :		This medium is used for determining the fermentation reactions of presumptive <i>Enterobacteriaceae</i> . Recommended by ISO 4702 Standard, 1993 and ISO 8523 Standard, 1991			
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			
B1307	41.52g/l	12.427L	7.0 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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