

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B541	GLUCOSE CITRATE BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Meat Extract B#		5.00				
Peptic digest of animal tissue		10.00				
Sodium chloride		5.00				
Glucose		1.00				
Sodium citrate		2.00				
# Equivalent to Beef extract						
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 23 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Dispense as desired.						
Principle :						
Peptic digest of animal tissue and meat extract B provides nitrogenous compounds and other essential growth nutrients. Glucose provides the energy sources and sodium citrate as the carbon source.						
QC Tests - (I) Dehydrated Medium						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Enterobacter aerogenes (13048)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
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 :		It is used for cultivation of fastidious microorganisms.				
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
B541	23.0g/l	21.739	L	7.6 ± 0.2	nil	118°C / 15 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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