

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1554	AZOTOBACTER BROTH (GLUCOSE)					
Formula						
Ingredients :		gms/lit.				
Dipotassium phosphate		1.00				
Magnesium sulphate		0.20				
Sodium chloride		0.20				
Ferrous sulphate		0.005				
Soil extract		5.00				
Glucose		10.00				
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 16.4 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Slight precipitate may occur after autoclaving; however, it will not interfere with growth performance nor interfere with the interpretation of results.						
Principle :						
This medium is used for isolation and cultivation of glucose positive Azotobacter species from soil. It is also useful for maintenance of Azotobacter species by adding extra 1% glucose to the medium.						
QC Tests – (I) Dehydrated Medium						
Colour :		Off-white to beige				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent solution with slight precipitate forms in tubes.				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24- 48 hrs. or longer at 25-30°C.						
MICROORGANISM (ATCC)		GROWTH				
Azotobacter beijerinckii (12981)		Luxuriant				
Azotobacter nigricans (35009)		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 :		For isolation and cultivation of glucose positive Azotobacter species from soil.				
Storage :		Dehydrated medium-below 25°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1554		16.4 g/l	30.48 L	7.6 ± 0.2	Nil	121°C /15 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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