

**TECHNICAL SHEET**

<b>B848</b>	<b>AZOTOBACTER AGAR (GLUCOSE)</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Dipotassium phosphate	1.00				
Magnesium sulphate	0.20				
Sodium chloride	0.20				
Ferrous sulphate	0.005				
Soil extract	5.00				
Glucose	10.00				
Agar	15.00				
Final pH (at 25°C) : 7.6 ± 0.2					
<b>Directions :</b>					
Suspend 31.4 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If slight precipitate occurs after autoclaving, distribute it evenly before pouring into sterile plates.					
<b>Principle :</b>					
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.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :	Light beige				
Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	7.6 ± 0.2				
Colour (post autoclaving/heating) :	Yellow				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 24- 48 hrs. or longer at 25-30°C.					
MICROORGANISM (ATCC )	GROWTH				
Azotobacter beijerinckii (12981)	Luxuriant				
Azotobacter nigricans (35009)	Luxuriant				
<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 isolation and cultivation of glucose positive Azotobacter species from soil.					
<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)	pH (25°C)	Supplement	Sterilization
<b>B848</b>	31.4 g/l	15.92 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 BIOMARK LABORATORIES publications.

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