



## ASHBY'S GLUCOSE AGAR

Product Number **A1715**

### Product Description

Ashby's Glucose Agar is used for the cultivation of the *Azotobacter* species that can use glucose and atmospheric nitrogen as a source of carbon and nitrogen, respectively. Besides having the ability to fix atmospheric nitrogen, *Azotobacter* can also synthesize biologically active substances which improve seed germination and plant growth.

### Components

Item	g/L
Glucose	20.00
Dipotassium Phosphate	0.20
Magnesium Sulphate	0.20
Sodium Chloride	0.20
Potassium Sulphate	0.10
Calcium Carbonate	5.00
Agar	15.00

Final pH (at 25°C)  $7.4 \pm 0.2$

### Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

### Preparation Instructions

Suspend 40.7 grams of Ashby's Glucose Agar in 1000 mls of distilled water. Boil to dissolve the medium

## Product Information

completely. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

### Storage

Store the dehydrated medium at 24°C and the prepared medium at 2-8°C.

### Product Profile

Appearance	Off white colored, homogenous, free flowing powder.
Gelling	Firm.
Color and Clarity	Whitish opalescent gel forms in petriplates.
Cultural Response	Cultural characteristics are observed upto 5 days at 37°C.

### Organisms

*Azotobacter nigricans*

### Growth

luxuriant

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