

Acetobacter / Gluconobacter Agar



Medium used for the cultivation and maintenance of *Acetobacter* spp. and *Gluconobacter* spp..

• CONTENTS (Liter)

Yeast Extract	10.0 g
Glucose	100.0 g
Calcium Carbonate	20.0 g
Agar	25.0 g
Final pH = 7.5 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 155.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45-50°C in water bath. Dispense in petri dishes.

• INTERPRETATION

Acetobacter / Gluconobacter Agar is a medium used for the cultivation and maintenance of *Acetobacter* spp. and *Gluconobacter* spp.. Yeast extract provides nitrogen, carbon, vitamins and minerals. Calcium carbonate acts as neutralization reagent. Glucose is the carbohydrate.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 26 ± 1°C for 24 - 48 hours up to 72 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

Prepared medium

Appearance: opalescent with slightly precipitate.

Color: medium amber.

Incubation conditions: 26 ± 1°C / 24 - 48 hours up to 72 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Acetobacter pasteurianus</i>	12879	50-100	good
<i>Gluconobacter oxydans</i>	15163	50-100	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. Ronald M, Atlas, Handbook of Microbiological Media for the Examination of Food, 15.

• PACKAGE

Cat. No : MB-A0719 Acetobacter / Gluconobacter Agar	500 G
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