Acetobacter Agar

Medium used for the cultivation and enumeration of Acetobacter spp. and Gluconacetobacter spp.

• CONTENTS (Liter)

Yeast Extract	10.0 g
Calcium Carbonate	10.0 g
Glucose	3.0 g
Agar	15.0 g

Final pH = 7.4 ± 0.2 at 25°C

• PROCEDURE

Suspend 38.0 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. Pour into tubes. Arrange tubes in a slanted position.

• INTERPRETATION

Acetobacter Agar is a medium used for the cultivation and enumeration of Acetobacter spp. and Gluconacetobacter spp. Yeast extract provides nitrogen, carbon, vitamins and minerals. Calcium carbonate acts as the buffering reagent. Glucose is a carbohydrate. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. 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 white precipitate
Color: light amber
Incubation conditions: 26 ± 1°C / 24 - 48 hours up to 72 hours

Microorganism	ATCC	Inoculum CFU	Growth
Acetobacter aceti	15973	10^3	good
Gluconacetobacter liquefaciens	14835	10^3	good
Gluconacetobacter xylinus	11142	10^3	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. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Ronald M, Atlas, Handbook of Microbiological Media for the Examination of Food, 15.
2. Manual of Microbiological Methods, 1957, Society of American Bacteriologists, McGraw-Hill Book Company, New York.

• PACKAGE

Cat. No : MB-A0717 Acetobacter Agar	500 G