# Acetobacter Xylinum Agar

Medium used for the cultivation of *Acetobacter xylinum*.

## • CONTENTS (Liter)

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|---|---|
| Glucose | 20.0 g |
| Peptone | 5.0 g |
| Yeast Extract | 5.0 g |
| Disodium Phosphate | 2.7 g |
| Citric Acid | 1.5 g |
| Agar | 15.0 g |

Final pH = 6.7 ± 0.2 at 25°C.

## • PROCEDURE

Suspend 49.2 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 Xylinum Agar is a medium used for the cultivation of *Acetobacter xylinum*. Peptone and yeast extract provide nitrogen, carbon, vitamins and minerals. Glucose is the carbohydrate. Disodium phosphate is the buffering agent. Citric acid acts as metabolic intermediate.

## • 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 |
|---|---|---|---|
| *Acetobacter xylinum* | 53582 | 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-A0718<br>Acetobacter Xylinum Agar | 500 G |