

Acetobacter Xylinum Broth



Medium used for the cultivation of *Acetobacter xylinum*.

• CONTENTS (Liter)

Glucose	20.0 g
Peptone	5.0 g
Yeast Extract	5.0 g
Disodium Phosphate	2.7 g
Citric Acid	1.5 g
Final pH = 6.7 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 34.2 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 tubes.

• INTERPRETATION

Acetobacter Xylinum Broth 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 specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. 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 xylinum</i>	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-A0800 Acetobacter Xylinum Broth	500 G
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