

Acetamide Broth Mo.1

Medium used for the confirmation test of *Pseudomonas aeruginosa* in water.

• CONTENTS (Liter)

Acetamide	2.0 g
Sodium Chloride	0.2 g
Monopotassium Phosphate	1.0 g
Magnesium Sulfate	0.2 g
Sodium Molybdate	0.05 g
Iron Sulfate Heptahydrate	0.005 g
Final pH = 7.0 ± 0.1 at 25°C.	

• PROCEDURE

Suspend 3.46 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

Acetamide Broth Mo.1 is a medium used for the isolation and detection of *Pseudomonas* spp. in water. Acetamide is the single carbon source. Monopotassium phosphate is a buffering agent. Sodium chloride maintains the osmotic balance. Magnesium sulfate is a cofactor for many metabolic reactions. Iron sulfate heptahydrate provides ions.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 36 ± 1°C for 4 - 7days. Slightly uncover the cap. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: white.

Prepared medium

Appearance: clear with no precipitate.

Color: colorless.

Incubation conditions: 36 ± 1°C / 4 – 7days

Microorganism	ATCC	Inoculate CFU	Growth	Characteristics
<i>Pseudomonas aeruginosa</i>	27853	50-100	good	purplish red colonies
<i>Escherichia coli</i>	25922	200-300	partially inhibited	-
<i>Proteus mirabilis</i>	29906	200-300	partially inhibited	-

• 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. Kelly, N.M., C.T. Keans (1983). Acetamide broth for isolation of *Pseudomonas aeruginosa* from patients with cystic fibrosis. J.Clin.Microbiol. 17:159:163.
2. CeNAN (1982) Tecnicas para el Examen microbiologico de Alimentos y Bebidas. Madrid.

• PACKAGE

Cat. No : MB-A0915 Actamide Broth Mo.1	500 G
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