

ACETAMIDE BROTH

Ready to use acetamide solution for the confirmation test
of *P.aeruginosa* according to EN 16266

INTENDED USE

Acetamide Broth is used for the confirmation test of *P.aeruginosa* isolated from water samples onto selective medium with cetrimide

TYPICAL FORMULA (g/l)

Monopotassium phosphate	1 g
Sodium chloride	0.2 g
Magnesium sulfate	0.2 g
Acetamide	2 g
Sodium molibdate	0.005 g
Ferrous sulphate hepahydrate	0.0005 g
Final pH	7.0 ± 0,5

DESCRIPTION

Acetamide Broth is used for the confirmation test of *P.aeruginosa*: micro-organisms that grow on selective media containing cetrimide and produce pyocyanin, or micro-organisms that grow on selective media containing cetrimide, oxidase positive, fluoresce under UV radiation (360 ± 20) nm, and able to produce ammonia from acetamide.

Subcultures of colonies requiring confirmation are made from the membrane filter onto plates of nutrient agar. After incubation, cultures that were not initially fluorescent are tested for the oxidase reaction, and oxidase-positive cultures are tested for the production of fluorescein and the ability to produce ammonia from acetamide. Cultures that were fluorescent initially are tested for the ability to produce ammonia from acetamide.

TECHNIQUE

Inoculate a tube with the subculture from Nutrient Agar, and incubate at 36 ± 2 °C for 22 ± 2 h. Add 1 to 2 drops of Nessler reagent and examine the tubes for the production of ammonia, characterized by the production of a colour varying from yellow to brick red depending upon concentration.

P.aeruginosa is confirmed by colour varying from yellow to brick red

STORAGE

Store at 2-8° away from direct light - When stored as directed the tubed media remain stable until the expiry date shown on the label. Do not use beyond stated expiry date. Media should not be used if there are any signs of deterioration, discoloration or contamination.

PRECAUTIONS

For *in vitro* diagnostic use only. Observe approved biohazard precautions and aseptic techniques. To be used only by adequately trained and qualified laboratory personnel. Sterilize all biohazard waste before disposal.

Acetamide Broth contains acetamide at concentration of 0,2% and according to CE directives doesn't require Material Safety Data Sheet redaction or special labelling. In any case handle according to Good Laboratory Practices avoiding contact with eyes, skin, and use disposable vinyl gloves for protecting the skin

PACKAGING

5510101

ACETAMIDE BROTH

20 x 5 ml ready to use tubes