Acetamide Solution

TN1512 20 x 5 ml
TN1512-01 100 x 5 ml

Intended use
Used together with Nessler's Reagent (TN1515, TN1515-01) to detect ammonia in the identification of *Pseudomonas aeruginosa*.

Form
Liquid

Colour
Colourless

Storage
Protected from light, tightly closed, at 2...8 °C.

Shelf life
1 year

Typical composition per liter
1 tube contains 5 ml acetamide solution

Potassium dihydrogen phosphate anhydrous	1,0 g
Magnesium sulfate anhydrous	0,2 g
Acetamide	2,0 g
Sodium chloride	0,2 g
Sodium molybdate	5,0 mg
Iron sulfate	0,5 mg

Final pH at 25 °C
7.0 ± 0.2

Microbiological quality control
Incubation: aerobically, 18-24 h at 36 ± 2 °C
Add 1-2 drops of Nessler's Reagent. The formation of ammonia is revealed, depending on its concentration, by the coloration of the solution somewhere between yellow and brick-red (DIN EN ISO 16266), or by the formation of a sediment with a colour between yellow and brick-red.

Test strain	Ammoniak formation
Pseudomonas aeruginosa ATCC 9027 WDCM 00026	after addition of Nessler's reagent, a clearly visible precipitate with a colour between yellow and brick red
Pseudomonas aeruginosa ATCC 27853 WDCM 00025	after addition of Nessler's reagent, a clearly visible precipitate with a colour between yellow and brick red
Pseudomonas aeruginosa ATCC 10145 WDCM 00024	after addition of Nessler's reagent, a clearly visible precipitate with a colour between yellow and brick red
Escherichia coli ATCC 8739 WDCM 00012	no precipitate after addition of Nessler's reagent
Escherichia coli ATCC 25922 WDCM 00013	no precipitate after addition of Nessler's reagent
Escherichia coli ATCC 11775 WDCM 00090	no precipitate after addition of Nessler's reagent
negativ control	no precipitate after addition of Nessler's reagent

Hersteller: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de