DR. MÖLLER & SCHMELZ GmbH
Gesellschaft für angewandte Mikrobiologie

Pseudomonas CN-Agar

M&S item numbers: 5280 (25 x 20 ml) and 5281 (4 x 250 ml)

Application range: Pseudomonas CN-Agar is used fort he determination and the colony count of *Pseudomonas aeruginosa* from drinking water and food stuffs. The formulation is according to DIN EN ISO 16266:2008.

Formulation: (typical)

Pepton from Gelatine	16.0 g/l
Pepton from Casein	10.0 g/l
Potassiumsulfate	10.0 g/l
Magnesiumchloride	1.4 g/l
Glycerol	10.0 ml/l
Cetrimide	0.2 g/l
Nalidixic acid	0.15 g/l
Agar	11.0 g/l
pH 7.1 ± 0.2	
Color	klar, beige

Storage: Dark and dry at 4 – 8 °C

Description: *Pseudomonas aeruginosa* is able to synthesize several pigments. The most common ones are the blue-greenish Pyocyanin and the yellow fluorescent Fluorescein. Rarer you find the black-brown Pyomelanin and the red Pyorubin.
Nalidixic acid and Cetrimide are used to inhibit the growth of other bacteria.

Typical growth: Incubation at 37 ± 1 °C for 24 – 48 hours

Microorganisms	Growth	Colony appearance
Pseudomonas aeruginosa	very good	bluegreen with greenish halo, fluorescence under UV - light
Escherichia coli	no	-
Staphylococcus aureus	no	-

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