Cetrimide-Agar

M&S item numbers: 4025 (25 x 20 ml) and 5021 (4 x 250 ml)

Application range: Cetrimide-Agar is used for the detection and selective colony count of *Pseudomonas aeruginosa* in drinking water and food stuffs. The formulation is according to EP / USP.

Formulation: (typical)

Peptone from Gelatine	16.0 g/l
Casein	10.0 g/l
Potassium sulfate	10.0 g/l
Magnesium chloride	1.4 g/l
Glycerol	10.0 ml/l
Cetrimide	0.2 g/l
Agar	15.0 g/l
pH 7.1 ± 0.2	
Color	clear, 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-green Pyocyanin and the yellow fluorescent Fluorescein. Rarer you find the black-brown Pyomelanin and the red Pyorubin.
Cetrimide is used to inhibit the growth of other bacteria.

Typical growth: Incubation at 37 ± 2 °C for 24 – 48 hours

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



Pseudomonas aeruginosa after 48 hours at 37°C

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