DR. MÖLLER & SCHMELZ GmbH

Gesellschaft für angewandte Mikrobiologie



Cetrimide-NPS

Version:	01/2020
M&S item numbers:	1040 (50 / PK) and 1040-H (100 / PK)
Profile:	Dehydrated nutrient pad sets 50 mm in petri dishes, sterile
Color:	Beige
Storage:	Dark and dry at room temperature
Shelf life:	2 years after sterilization

Description and application range

Cetrimid-NPS are used for the detection and selective colony count of *Pseudomonas aeruginosa* in drinking water, foodstuffs and other samples. The formulation is modified according to EP / USP. *Pseudomonas aeruginosa* is able to form 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. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 1:2018 standard.

Typical composition

Enzymatic digest of gelatin	20.0 g/l
Enzymatic digest of casein	10.0 g/l
Potassium sulfate	10.0 g/l
Magnesium chloride	1.4 g/l
Glycerol	10.0 ml/l
Cetrimide	0.3 g/l

Final pH: 7.1 ± 0.2 at 25 °C

Microbiological quality control

Bacterial contamination

Incubation: aerobically at room temperature for 3 days, specification: no growth

Productivity quantitative analysis

Incubation: aerobically at 36 ± 2 °C for 44 ± 4 h, approx. inoculum: 80 - 120 CFU

Microorganism	Test strain	Specification	Appearance
Pseudomonas aeruginosa	WDCM 00024	P _R ≥ 0,7	Blueish green, fluorescence under UV light
Pseudomonas aeruginosa	WDCM 00025	P _R ≥ 0,7	Blueish green, fluorescence under UV light

DR. MÖLLER & SCHMELZ GmbH



Gesellschaft für angewandte Mikrobiologie

Selectivity qualitative analysis

Incubation: aerobically at 36 ± 2 °C for 44 ± 4 h, approx. inoculum: 10,000 - 1,000,000 CFU

Microorganism	Test strain	Specification	Appearance
Staphylococcus aureus	WDCM 00034	Full inhibition	-



Pure culture of Pseudomonas aeruginosa after 36 hours at 37 °C