



Cetrimide-NPS

Version: 11/2022
M&S Item numbers: 1040 (50 / PK) und 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

Cetrimide-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. 2:2020 standard.

Typical composition

Enzymatic digest of casein	10.0 g/l
Enzymatic digest of gelatin	20.0 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: 50 – 120 CFU

Microorganism	Test strain	Specification	Appearance
<i>Pseudomonas aeruginosa</i>	WDCM 00024	$P_R \geq 0.5$	Blueish green, fluorescence under UV light
<i>Pseudomonas aeruginosa</i>	WDCM 00025	$P_R \geq 0.5$	Blueish green, fluorescence under UV light

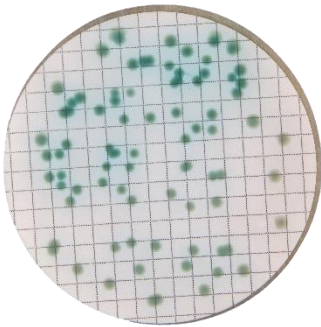
P_R productivity rate (recovery rate)



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
<i>Staphylococcus aureus</i>	WDCM 00034	Full inhibition	Fully inhibited



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