

Plate Count-NPS

Version: 10/2017
M&S item numbers: 1140 (50 / PK) and 1140-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

Plate Count-NPS are used for the determination of mesophilic heterotrophic bacteria (according to DIN EN ISO 6222-1:1999) in water and other samples. It is a universal medium without any inhibitors and additives. It can be used to individually add antibiotics or other supplements. The medium is manufactured and quality tested in compliance with ISO 11133:2014 standard.

Typical composition

Enzymatic digest of casein	5.0 g/l
Yeast extract	2.5 g/l
Dextrose	1.0 g/l

Final pH: 7.0 ± 0.2 at 25 °C

Microbiological quality control

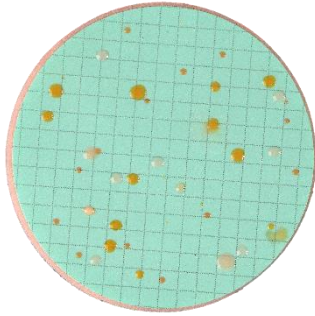
Bacterial contamination

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

Productivity quantitative analysis

Incubation: aerobically at 30 - 37 °C for 24 - 48 h, approx. inoculum: 80 – 120 CFU

Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	$P_R \geq 0,7$	Beige
<i>Bacillus subtilis</i>	WDCM 00003	$P_R \geq 0,7$	Light beige with fringed edge
<i>Pseudomonas aeruginosa</i>	WDCM 00024	Good growth	Beige to light greenish
<i>Staphylococcus aureus</i>	WDCM 00034	Good growth	Beige to light yellow



Mixed culture from surface water after 48 hours at 30 °C