



## Standard I-NPS

Version: 11/2022  
M&S Item numbers: 1191 (50 / PK) und 1191-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

Standard I-NPS are used for total colony count of mesophilic, heterotrophic bacteria in water, wastewater and other samples. Standard I-NPS is a universal medium. The components provide all necessary growth factors for a broad range of microorganisms. The neutral pH-value supports the development of most bacteria. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 2:2020 standard.

### Typical composition

Enzymatic digest of animal tissue	7.0 g/l
Meat extract	3.5 g/l
Yeast extract	3.0 g/l
Dextrose	1.0 g/l

Final pH: 7.3 ± 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 ± 1 °C for 24 ± 2 h, approx. inoculum: 50 – 120 CFU

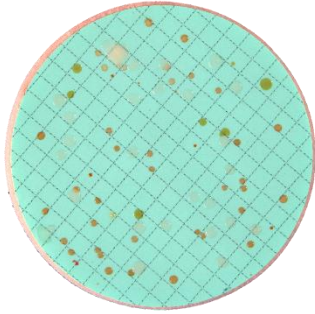
Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	$P_R \geq 0.7$	Beige colonies
<i>Escherichia coli</i>	WDCM 00013	$P_R \geq 0.7$	Beige colonies
<i>Bacillus subtilis</i>	WDCM 00003	$P_R \geq 0.7$	Beige colonies
<i>Staphylococcus aureus</i>	WDCM 00034	$P_R \geq 0.7$	Beige colonies

$P_R$  productivity rate (recovery rate)



**Dr. Möller & Schmelz GmbH**  
Corporation for Applied Microbiology

---



Sample from surface water after 36 hours at 30 °C