



## Standard TTC-NPS

Version: 11/2022  
M&S Item numbers: 1200 (50 / PK) und 1200-H (100 / PK)  
Profile: Dehydrated nutrient pad sets 50 mm in petri dishes, sterile  
Color: Beige to light red  
Storage: Dark and dry at room temperature  
Shelf life: 2 years after sterilization

### Description and application range

Standard TTC-NPS are used for total colony count of mesophilic, heterotrophic bacteria in water, wastewater and for pure cultures. Standard TTC-NPS is an universal medium supplemented with TTC, which is metabolized to red Formazan by most microorganisms. The red color of the colonies facilitates the determination of the colony count, because of the contrast against the membrane. 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
2,3,5-Triphenyltetrazoliumchloride (TTC)	0.15 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

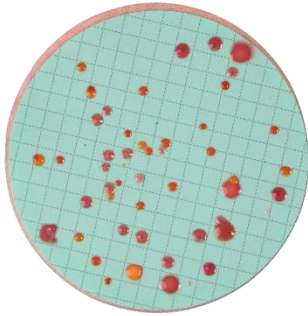
Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	$P_R \geq 0.7$	Red colonies
<i>Escherichia coli</i>	WDCM 00013	$P_R \geq 0.7$	Red colonies
<i>Klebsiella aerogenes</i>	WDCM 00175	$P_R \geq 0.7$	Red colonies
<i>Pseudomonas aeruginosa</i>	WDCM 00024	$P_R \geq 0.7$	Pink colonies

$P_R$  productivity rate (recovery rate)



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Sample from surface water after 36 hours at 30 °C