

## **Standard TTC-NPS**

Version: 01/2020  
M&S item numbers: 1200 (50 / PK) and 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 a 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 1:2018 standard.

### **Typical composition**

Meat peptone	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**

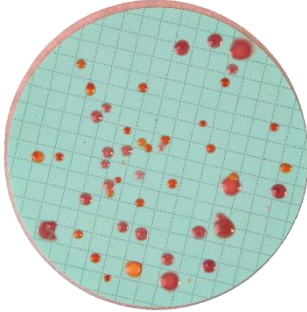
#### **Bacterial contamination**

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

#### **Productivity** quantitative analysis

Incubation: aerobically at 37 ± 2 °C for 24 ± 2 h, approx. inoculum: 80 – 120 CFU

Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	$P_R \geq 0,7$	Red
<i>Enterobacter aerogenes</i>	WDCM 00175	$P_R \geq 0,7$	Red
<i>Pseudomonas aeruginosa</i>	WDCM 00024	Good growth	Red
<i>Staphylococcus aureus</i>	WDCM 00034	Good growth	Orange



Sample from surface water after 36 hours at 30 °C