



## Standard-Agar

Version: 07/2022  
M&S item numbers: 4135 (25 x 20 ml) and 5101 (4 x 250 ml)  
Profile: Glass tubes and polycarbonat bottles  
Color: Beige  
Storage: Dark and dry at 4 – 12 °C  
Shelf life: 8 months after production

### Description and application range

Standard-Agar is used for the determination of total count of mesophilic, heterotrophic bacteria in water, waste water and other samples. Standard-Agar is a universal medium that can be supplied individually with antibiotics and other supplements. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd. 2:2020 standard.

### Typical composition

Enzymatic digest of casein	5.0 g/l
Yeast extract	2.5 g/l
Dextrose	1.0 g/l
Bacteriological Agar	12.0 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: 24 ± 2 h at 37 ± 1 °C and 30 ± 1 °C 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)