

## Malachite-green Broth

### DEV Malachite-green Peptone Broth

TN 1158 500 g



#### Intended use

Used for the detection of *Pseudomonas aeruginosa* from water (according to § 64 German Food and Feed Code).

#### Form

Powder

#### Colour

Beige

#### Storage

Dry, tightly closed, at 10...25 °C.

#### Shelf life

3 years

#### Typical composition

Component	g/l
Tryptic digested meat peptone	5
Meat extract	3
Dipotassium hydrogen phosphate	0.8
Malachite-green	0.01

#### Directions

Dissolve 8.8 g (for single-strength) or 26.4 g (for triple-strength) in 1 litre distilled water and autoclave at 121 °C for 15 minutes. Cool down rapidly and do not overheat!

#### Final pH at 25 °C

7.3 ± 0.2

#### Microbiological quality control

Incubate Malachite-green Broth (DEV Malachite-green Peptone Broth) aerobically for 40-48 hours at 36 ± 1 °C.

Test strain	ATCC no.	Inoculum CFU/ 10 ml	Turbidity/ colour of the incubated broth	Growth after smearing onto cetrimide in accordance with EP	Growth after smearing onto DEV Endo Agar
<i>Pseudomonas aeruginosa</i>	9027	10-100	turbidity, colour possibly changes to yellow	good growth, yellowish-green colonies which fluoresce at 366 nm	good growth, colourless, translucent colonies
<i>Pseudomonas aeruginosa</i>	25668	10-100	turbidity, colour possibly changes to yellow	good growth, yellowish-green colonies which fluoresce at 366 nm	good growth, colourless, translucent colonies
<i>Escherichia coli</i>	8739	10-100	may show partial turbidity, colour possibly changes to yellow	no growth	partial growth, red colonies, which may show metallic sheen
<i>Staphylococcus aureus</i>	6538	10-100	no turbidity, no colour change	no growth	no growth

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