

Malachite green-Broth

M&S item numbers: 5150 (25 x 50 ml, single concentrated)
5050 (4 x 100 ml in 250 ml bottles, double concentrated)

Application range: Malachite green broth is used for the detection of *Pseudomonas aeruginosa* from water (see. Mineral- und Tafelwasserverordnung).

Formulation: Trypton 5.0 g/l
(typical, single conc.) Meat extract 3.0 g/l
Dipotassiumhydrogenphosphate 0.2 g/l
Malachite green 0.01 g/l
pH 7.3 ± 0.2
Color green

Storage: Dark and dry at 4 – 12 °C

Description: The complex composition of the broth enhances the growth of *Ps. aeruginosa*. Malachite green inhibits the development of accompanying bacteria. Furthermore, the incubation temperature of 37°C inhibits the growth of other *Pseudomonas* species.

Typical growth: Incubation aerobic at 37 ± 1 °C for 44 ± 4 hours

Microorganisms	Growth	Appearance
<i>Pseudomonas aeruginosa</i>	good	color change of the medium from green to yellow, flower formation
<i>E. coli</i>	good	no color change
<i>Staphylococcus aureus</i>	no	-