

King B-Agar

Version: 01/2020
M&S item numbers: 5270 (25 x 20 ml) and 5271 (4 x 250 ml)
Profile: Glass tubes and plastic bottles
Color: Beige
Storage: Dark and dry at 4 – 12 °C
Shelf life: 8 months

Description and application range

King B-Agar is used for the detection of *Pseudomonas aeruginosa* in drinking water and other samples. The formulation complies with DIN EN ISO 16266:2008. The composition of King B medium enhances the formation of the yellow fluorescent Fluorescin. Magnesium serves as an activator for the production of this pigment. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 1:2018 standard.

Typical composition

Proteose peptone	20.0 g/l
Di-potassiumhydrogenphosphate	1.5 g/l
Magnesium sulfate	1.5 g/l
Glycerol	10 g/l
Bacteriological Agar	15.0 g/l

Final pH: 7.2 ± 0.2 at 25 °C

Microbiological quality control

Bacterial contamination

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

Productivity qualitative analysis

Incubation: aerobically at 44 ± 2 °C for 21 ± 3 h, approx. inoculum: 80 – 120 CFU

Microorganism	Test strain	Specification	Appearance
<i>Pseudomonas aeruginosa</i>	WDCM 00024	Growth and formation of Fluorescin	Greenish, fluorescence under UV light (366nm)
<i>Pseudomonas aeruginosa</i>	WDCM 00025	Growth and formation of Fluorescin	Greenish, fluorescence under UV light (366nm)

Selectivity qualitative analysis

Incubation: aerobically at 44 ± 2 °C for 21 ± 3 h, approx. inoculum: 10,000 – 1,000,000 CFU

Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	No formation of Pyocyanin	Beige, no fluorescence