King B-Agar

M&S item numbers: 5270 (25 x 20 ml) and 5271 (4 x 250 ml)

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.

Formulation: (typical)

Peptone from meat	20.0 g/l
Dipotassiumhydrogenphosphate	1.5 g/l
Magnesiumsulfate	1.5 g/l
Glycerol	30 ml/l
Agar	15.0 g/l
pH 7.2 ± 0.2	
Color	beige

Storage: Dark and dry at 4 – 12 °C

Description: 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.

Typical growth: Incubation at 37 ± 1 °C for 24 – 48 hours

Microorganisms	Growth	Colony appearance
Pseudomonas aeruginosa	very good	greenish, fluorescence under UV-light (366nm)
Escherichia coli	very good	beige, no fluorescence

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