King's B Agar (Base)

TN 1287 100 g

Intended use

Used for the detection and determination of the germ count of fluorescing bacteria in water, in particular of Pseudomonas aeruginosa (German drinking water regulation (Trinkwasserverordnung) and DIN EN ISO 16266).

Form

Powder

Colour

Beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Peptone	20
Magnesium sulfate anhydrous	0.73
Dipotassium hydrogen phosphate	1.5
Agar	14.7

Directions

Suspend 36.9 g in 1 litre distilled water, add 10 ml Glycerin, water-free (TN 1424) and heat until completely dissolved. Mix well and distribute 5 ml amounts into tubes. Autoclave at 121 °C for 15 minutes. Allow to set in the slope position.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate King's B Agar (Base) with added Glycerol aerobically for 48-72 hours at 36 ± 1 °C.

Test strain	ATCC no.	Growth	Colony colour	Fluorescence at 366 nm
Pseudomonas aeruginosa	25668	good	greenish-yellowish	yellowish-greenish (positive)
Pseudomonas aeruginosa	9027	good	greenish-yellowish	yellowish-greenish (positive)
Pseudomonas stutzeri	17588	good	colourless	none (negative)
Escherichia coli	25922	good	colourless	none (negative)

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