

MM0343

King B agar

Use and description:

This formulation is optimised for the detection of *Pseudomonas* spp. by producing fluorescein, via its containing balanced ion concentration and peptones. CN supplement should be added to increase selectivity. Its potassium phosphate content helps to maintain the pH during the autoclaving process and increase the flourescein development.

Composition per liter:

Acid casein	8.0 g
Peptone	12.0 g
Magnesium sulfate	1.5 g
Agar	14.0 g
K ₃ PO ₄	1.5 g

Final pH of the ready to use medium: 7.1 ± 0.2

Medium preparation: Add 37.0 grams of dehydrated culture medium and 10 g glycerol to 1 liter distilled water until evenly dispersed with stirring. Sterilised at 121°C for 15 minutes. Add selective supplement if desired to the cooled 50°C base.

Quality specification:

Dehydrated medium: homogeneous, pinkish coloured, fine powder.

Ready to use medium: yellow beige, clear agar

Microbiological response:

Organisms	Result
<i>Escherichia coli</i> ATCC 25922	growth, no pigment
<i>Pseudomonas aeruginosa</i> ATCC 27853	growth, yellowish-green pigmentation

Storage: Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.