KING B AGAR, USP

A differential medium for the detection of *Pseudomonas aeruginosa* on the basis of pigment production according to USP and ISO 16266. KING B agar enhances the production of fluorescein and inhibits the formation of pyocyanin.

Dehydrated media	
Code number:	500 g: KAB20500, 5 kg: KAB25000
Packaging of 500 g:	500 g agar base + 1x250 ml supplement
Packaging of 5 kg:	5 kg agar base + 5x500 ml supplement
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	Dense, water-clear solution
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **32,5 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 60 - 65 °C and add aseptically **16 ml of King B Supplement.** Mix it thoroughly and dispense aseptically into sterile test tubes. Allow to cool in slanted position.

Prepared media	
Bottled media:	100 ml: KAB30100, 500 ml: KAB30500
Tubed media:	100 x15 mm: KAB40005 (5 ml, slant)
Colour:	Yellowish
pH (25 °C):	7,1 – 7,3

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Allow to cool in slanted position. Media in tubes are ready to use.

FORMULA FOR ONE LITRE OF COMPLETE MEDIUM

Peptones	20,0 g
Magnesium sulphate x 7 H_2O	1,5 g
Glycerol	10,0 ml
Potassium phosphate, dibasic	1,5 g
Agar	13,0 g

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media and the supplement protected from light at room temperature. Store the tubed media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Pseudomonas aeruginosa ATCC 27853		Good, yellow – green pigmentation, fluorescence at 366 nm	

References: King et al. (1954) J. Lab. and Clin. Med. 44: 301.
United States Pharmacopoeia
ISO 16266:2008

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