

KING A AGAR BASE, USP

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

Dehydrated media	
Code number:	500 g: KAA20500, 5 kg: KAA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction: Suspend **44 g** in one litre of distilled water. Add **10 ml of Glycerol supplement (GLC80100)** and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes. Allow to cool in slanted position.

Prepared media	
Bottled media:	100 ml: KAA30100, 500 ml: KAA30500
Tubed media:	100 x15 mm: KAA40005 (5 ml, slant)
Colour:	Yellowish
pH (25 °C):	7,0 – 7,2

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 in g/l

Peptones	19,6
Potassium sulphate	10,0
Magnesium chloride	1,4
Agar	13,0

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 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
<i>Pseudomonas aeruginosa</i> ATCC 27853		Good, yellow – green pigmentation without fluorescence at 366 nm	

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

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