

PharmaBio® KING B AGAR

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

Dehydrated media	
Code number:	500 g: PKAB20500, 5 kg: PKAB25000
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 King B 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: PKAB30100, 500 ml: PKAB30500
Tubed media:	100 x15 mm: PKAB40005 (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 ₂ O	1,5 g
Glycerol	10,0 ml
Potassium phosphate, monobasic	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: See the next page

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

In vitro diagnostic – for professional use only!

Certificate of analysis

PharmaBio® KING B AGAR	
Code number:	PKAB20500
Lot:	
Manufacture date:	
Expiry date:	

DESCRIPTION	
Type of culture medium:	Dehydrated medium
Packaging:	500 g agar base - in 1000 ml PE bottle 250 ml supplement in 250 ml PP bottle
Formula g/l:	
Peptones	20 g Agar
Magnesium sulphate x 7 H ₂ O	10 g Distilled water
Potassium phosphate, monobasic	1,4 g ad 1000 ml
Sterilise: 121 °C – 15 minutes	
Supplement: 16 ml/l KING B Supplemen	

EXTERNAL CONTROL		
Dehydrated culture medium	Requirement	Result
Packaging:	Intact	complies
Appearance:	Fine powder	complies
Colour:	Yellowish	complies
Ready to use culture medium	Requirement	Result
Colour:	Yellowish	complies
Purity:	Clear	complies
Precipitation:	Free from any precipitation	complies
Gel strength:	Suitable for good inoculation	complies

CHEMICAL CONTROL		
pH at 25 °C:	Requirement: 7,2 ± 0,1	complies

MICROBIOLOGICAL CONTROL				
Cultivation ability test:				
Reference medium Lot:	Incubation temperature: 30 - 35 °C Incubation time: 24 - 48 h			
Cultivation ability test:				
Test strains	Requirement	Result		
	Productivity(%)	Reference (cfu)	Lot (cfu)	Productivity(%)
<i>Pseudomonas aeruginosa</i> ATCC 27853	> 70 (24 h)			
Differentiation ability test:				
Test strains	Requirement	Result		
<i>Pseudomonas aeruginosa</i> ATCC 27853	Fluorescent green colonies	complies		

This product has been tested by Quality Control Laboratory and conforms to the specifications above.

This certificate was issued electronically and is valid without signature.