

PharmaBio® R2A AGAR

A non-selective medium for the bacteriological examination of water according to PH EUR (Agar Medium S).

Dehydrated media	
Code number:	500 g: PR2A20500, 5 kg: PR2A25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,0 – 7,4

Direction: Suspend **18 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.

Prepared media	
Bottled media:	100 ml: PR2A30100, 500 ml: PR2A30500
Plated media:	55 mm: PR2A50055, 90 mm: PR2A50090
Colour:	Yellowish
pH (25 °C)	7,1 – 7,3

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes and tubes are ready to use.

FORMULA in g/l

Proteose peptone	0,500
Casein peptone	0,500
Yeast extract	0,500
Glucose	0,500
Starch soluble	0,500
Sodium pyruvate	0,300
Magnesium sulphate, anhydrous	0,024
Potassium phosphate, dibasic	0,300
Agar	14,900

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 plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control: See the next page

References: European Pharmacopoeia

In vitro diagnostic – for professional use only!

Certificate of analysis

PharmaBio® R2A AGAR	
Code number:	PR2A
Lot:	
Manufacture date:	
Expiry date:	

Description	
Type of culture medium:	
Packaging:	
Formula g/l:	
Proteose peptone	0,5 g
Casein peptone	0,5 g
Yeast extract	0,5 g
Glucose x 1 H ₂ O	0,5 g
Starch soluble	0,5 g
Sterilization: 121 °C – 15 min.	
Supplement: -	
Sodium pyruvate	0,3 g
Magnesium sulphate, anhydrous	0,024 g
Potassium phosphate, dibasic	0,3 g
Agar	14,9 g
Distilled water	ad 1000 ml

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

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

MICROBIOLOGICAL CONTROL				
Cultivation ability test:				
Reference culture medium Lot:		Incubation temperature: 20 - 25 °C		Incubation time: 48 h
Test strains	Requirement	Result		
	Productivity (%)	Reference (cfu)	Lot (cfu)	Productivity(%)
<i>Staphylococcus aureus</i> ATCC 29213	> 70			
<i>Pseudomonas aeruginosa</i> ATCC 27853	> 70			
<i>Bacillus subtilis</i> ATCC 6633	> 70			
Contamination control:				
Incubation temperature: 30 - 35 °C + 20 – 25 °C		Incubation time: 2 + 3 day		
Result:		No growth		

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.