

PSEUDOMONAS ISOLATION AGAR BASE

A selective medium for isolation and identification of *Pseudomonas aeruginosa*.

Dehydrated media	
Code number:	500 g: PIA20500, 5 kg: PIA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 - 7,3

Direction: Suspend **45 g** in one litre of distilled water. Add **20 ml of Glycerol Supplement (GLC80100)** 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: PIA30100, 500 ml: PIA30500
Plated media:	55 mm: PIA50055, 90 mm: PIA50090
Colour:	Yellowish
pH (25 °C):	7,0 - 7,2

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

FORMULA in g/l

Peptones	20,600
Potassium sulphate	10,000
Magnesium chloride	1,400
Irgasan	0,025
Agar	13,000

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 plated 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 growth, fluorescent green colonies	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

References: Lenette et al. (1985) Manual of Clinical Microbiology, 4th ed.

In vitro diagnostic – for professional use only!