

## PSEUDOMONAS AGAR P

Dehydrated medium for the isolation of *Pseudomonas spp.*

### TYPICAL FORMULA (g/L)

Pancreatic Digest of Casein	20.0
Magnesium Chloride	1.4
Potassium Sulphate	10.0
Agar	15.0
Final pH 7.0± 0.2	

### DESCRIPTION

**PSEUDOMONAS AGAR P** is a dehydrated medium for the isolation of *Pseudomonas spp.* whose formulation conforms with specifications of The United States Pharmacopoeia (USP).

### PRINCIPLE

Pancreatic Digest of Casein provides nitrogen and other nutrient to support microbial growth. Magnesium, potassium and sulphate ions promote pyocyanin production.

### PREPARATION

Suspend 46.0 g of powder in 990 mL of distilled or deionized water. Add 10 mL of Glycerol Supplement (ref. 80021). Heat until completely dissolved. Dispense in final containers. Sterilize in autoclave at 121 °C for 15 minutes.

### TECHNIQUE

Inoculate a well-isolated colony streaking on the agar surface, using a sterile loop. Incubate at 36 ± 1°C for 18-24 hours.

### INTERPRETATION OF RESULTS

Examine *Pseudomonas* Agar P for pyocyanin, a blue to blue-green pigment seen in the colonies and surrounding medium. Confirm the presence of pyocyanin by adding several drops of chloroform and observe for a blue color in the chloroform. (Pyocyanin is more soluble in chloroform than in water).

### STORAGE

10-30°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.  
Store the prepared medium at 2-8 °C.

### WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product is designed for *in vitro* diagnostic use and must be used only by properly trained operators.

### DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

### REFERENCES

1. Kiska and Gilligan. 1999. In Murray, Baron, Pfaller, Tenover and Tenover (ed.), Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
2. Forbes, Sahm and Weissfeld. 1998. Bailey & Scott's diagnostic microbiology, 10th ed. Mosby, Inc., St. Louis, Mo.
3. King, Ward and Raney. 1954. J. Lab. Clin. Microbiol. 44:301.
4. United States Pharmacopeial Convention, Inc. 2001. The U.S. pharmacopeia 25/The national formulary 20 – 2002. United States Pharmacopeial Convention, Inc., Rockville, Md.



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## PRODUCT SPECIFICATIONS

**NAME**  
**PSEUDOMONAS AGAR P**

**PRESENTATION**  
Dehydrated medium

**STORAGE**  
10-30 °C

PACKAGE		
Code	Content	Packaging
610310	500 g	500 g of powder in plastic bottle

**pH OF THE MEDIUM**  
7.0 ± 0.2

**USE**  
**PSEUDOMONAS AGAR P** is a dehydrated medium for the isolation of *Pseudomonas spp.* whose formulation conforms with specifications of The United States Pharmacopoeia (USP).

**TECHNIQUE**  
Refer to technical sheet of the product.

**APPEARANCE OF THE MEDIUM**  
Dehydrated medium  
Appearance: free-flowing, homogeneous.  
Colour: light beige  
Prepared medium  
Appearance: slightly opalescent  
Colour: light to medium amber






**SHELF LIFE**  
4 years

**QUALITY CONTROL**

- Control of general characteristics, label and print
- Sterility control  
7 days at 25 ± 1°C, in aerobiosis  
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control  
Inoculum for productivity: 10-100 UFC/ml  
Inoculum for selectivity: 10<sup>4</sup>-10<sup>5</sup> UFC/ml  
Inoculum for specificity: ≤ 10<sup>4</sup> UFC/ml  
Incubation conditions: 18-24 h at 36 ± 1°C

Microorganisms	Growth	Colonies Color
<i>Pseudomonas aeruginosa</i> ATCC 9027	Good	Blue
<i>Pseudomonas aeruginosa</i> ATCC 27853	Good	Blue
<i>Pseudomonas cepacia</i> ATCC 25609	Good	Colorless

### TABLE OF SYMBOLS

<b>IVD</b> In vitro Diagnostic Medical Device	<b>LOT</b> Batch code	 Manufacturer	 Contains sufficient for <n> tests
<b>REF</b> Catalogue number	 Temperature limitation	 Use by	 Caution, consult accompanying documents



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