

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 Pharmacopoeial Convention, Inc. 2001. The U.S. pharmacopoeia 25/The national formulary 20 – 2002. United States Pharmacopoeial Convention, Inc., Rockville, Md.



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PRODUCT SPECIFICATIONS

NAME
PSEUDOMONAS AGAR P

PRESENTATION
Dehydrated medium

STORAGE
10-30 °C

| 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: 10⁴-10⁵ UFC/ml
Inoculum for specificity: ≤ 10⁴ 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

| | | | |
|---|--|--|---|
|  In vitro Diagnostic Medical Device |  Batch code |  Manufacturer |  Contains sufficient for <n> tests |
|  Catalogue number |  Temperature limitation |  Use by |  Caution, consult accompanying documents |



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