PSEUDOMONAS ISOLATION AGAR
Selective medium for the isolation of Pseudomonas spp from clinical and nonclinical materials.

**TYPICAL FORMULA**

<table>
<thead>
<tr>
<th>(g/l)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Peptone</td>
<td>20.0</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>1.4</td>
</tr>
<tr>
<td>Potassium Sulfate</td>
<td>10.0</td>
</tr>
<tr>
<td>Irgasan</td>
<td>0.025</td>
</tr>
<tr>
<td>Glycerol</td>
<td>20.0 ml</td>
</tr>
<tr>
<td>Agar</td>
<td>15.0</td>
</tr>
<tr>
<td>Final pH</td>
<td>7.0 ± 0.2</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

PSEUDOMONAS ISOLATION AGAR is a selective and differential medium used for the isolation of Pseudomonas spp from clinical and nonclinical materials. This medium allows to differentiate Pseudomonas aeruginosa from other pseudomonads on the basis of pigment formation.

**PRINCIPLE**

Peptone provide nitrogen, carbon, vitamins and minerals for microbial growth. Magnesium chloride and potassium sulfate promote production of pyocyanin. Irgasan is the selective agent that inhibits both gram-positive and gram negative bacteria other than Pseudomonas spp. Glycerol serves as an energy source and also helps to promote pyocyanin production. Agar is the solidifying agent.

**TECHNIQUE**

Inoculate the plates by streaking the sample to be examined onto the entire surface of the agar in order to obtain isolated colonies. Incubate aerobically at 35 ± 2°C for 18-48 hours.

**INTERPRETATION OF RESULTS**

Pseudomonas aeruginosa colonies may be greenish after incubation for 18 hours and turn blue-green as incubation continues up to 24-48 hours, with diffusion of the pigment into the medium.

**STORAGE AND TRANSPORT CONDITIONS**

10-25°C away from light, until the expiry date on the label. Eliminate if signs of deterioration or contamination are evident.

**WARNING AND PRECAUTIONS**

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. 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 the national and local regulations in force.

**REFERENCES**

PRODUCT SPECIFICATIONS

NAME
PSEUDOMONAS ISOLATION AGAR

PRESENTATION
Ready to use plates (90 mm) containing 22+/-.1 ml of medium

STORAGE
10-25°C

PACKAGING

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Content</th>
<th>Packaging</th>
</tr>
</thead>
</table>
| 11033 | 20 plates | • 10 plates in thermally soldered film  
|       |         | • 2 x 10 plates in cardboard box               |
| 11033 | 100 plates | • 10 plates in thermally soldered film  
|       |          | • 10 piles (10 x 10 plates) in cardboard box   |

pH OF THE MEDIUM
7.0 ± 0.2

USE
PSEUDOMONAS ISOLATION AGAR is a selective and differential medium used for the isolation of Pseudomonas spp from clinical and nonclinical materials. This medium allows to differentiate Pseudomonas aeruginosa from other pseudomonads on the basis of pigment formation

TECHNIQUE
Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM
Light amber medium, slightly opalescent

SHELF LIFE
6 months

QUALITY CONTROL
1. Control of general characteristics, label and print
2. Sterility control    
   7 days at 22 ± 1°C, in aerobiosis
   7 days at 36 ± 1°C, in aerobiosis
3. Microbiological control
   Inoculum for productivity: 10-100 CFU/ml
   Inoculum for selectivity: 10^4-10^5 CFU/ml
   Inoculum for specificity: ≤10^4 CFU/ml
   Incubation Conditions: aerobically at 35 ± 2°C for 18-48 hours

<table>
<thead>
<tr>
<th>Microorganism</th>
<th>Growth</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>ATCC® 27853</td>
<td>Good</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>ATCC® 10145</td>
<td>Good</td>
</tr>
<tr>
<td>Proteus mirabilis</td>
<td>ATCC® 12453</td>
<td>Inhibited</td>
</tr>
<tr>
<td>Escherichia coli</td>
<td>ATCC® 25922</td>
<td>Inhibited</td>
</tr>
</tbody>
</table>

TABLE OF SYMBOLS

<table>
<thead>
<tr>
<th>LOT</th>
<th>Batch code</th>
<th>IVD</th>
<th>In vitro Diagnostic Medical Device</th>
<th>Manufacturer</th>
<th>Use by</th>
<th>Fragile, handle with care</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF</td>
<td>Catalogue number</td>
<td>Temperature limitation</td>
<td>Contains sufficient for &lt;n&gt; tests</td>
<td>Caution, consult instructions for use</td>
<td>Do not reuse</td>
<td></td>
</tr>
</tbody>
</table>