Product Specification Sheet

*Lysine Iron Agar*

Intended Usage: A diagnostic medium for *Salmonella* species including *S. Arizonae.*

For professional use only.
Thermo Scientific™ Lysine Iron Agar

Form of Product: Poured tube
Storage: 2 – 25°C, dark
Filling weight: 8.5 – 9.5 g
Packaging: 50 tubes in a box
pH: 6.7 ± 0.2
Appearance: Claret violet, opaque
Shelf life: 14 weeks
Intended Usage: A diagnostic medium for *Salmonella* species including *S. Arizonae*. For professional use only.
Technique: Depends on the different methods. For information see Oxoid CM0381.

Typical formulation*  | g/l  
---|---
Peptone | 5.0
Yeast extract | 3.0
Glucose | 1.0
L-Lysine | 10.0
Ferric ammonium citrate | 0.5
Sodium thiosulphate | 0.04
Bromocresol purple | 0.02
Agar | 14.5

*Adjusted as required to meet performance standards.
Quality Control

1. Control for general characteristics, labelling and printing.

2. Contamination check
   ≥ 72 h @ 20 – 25 °C, aerobic
   ≥ 72 h @ 30 – 35 °C, aerobic

3. Microbiological control

<table>
<thead>
<tr>
<th>Control Strains</th>
<th>Colour of Butt</th>
<th>Colour of Slope</th>
<th>H₂S Production</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Salmonella Typhimurium</em></td>
<td>Black violet</td>
<td>Violet</td>
<td>Positive</td>
</tr>
<tr>
<td>ATCC® 14028™</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Proteus vulgaris</em></td>
<td>Yellow</td>
<td>Violet</td>
<td>Positive</td>
</tr>
<tr>
<td>ATCC® 8427™</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Citrobacter freundii</em></td>
<td>Yellow</td>
<td>Violet</td>
<td>Positive</td>
</tr>
<tr>
<td>ATCC® 8090™</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Inoculum: tested by direct streaking method (1 colony), control medium COL+SB
Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic (caps not tightly closed)

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