Product Specification Sheet

Violet Red Bile Glucose Agar (ISO)
(Contact Plate)

Intended Usage: A glucose-containing selective medium for the detection and enumeration of Enterobacteriaceae on surfaces.

For professional use only.
Thermo Scientific™ Violet Red Bile Glucose Agar (ISO) (Contact Plate)

Form of Product: Poured plate
Storage: 2 – 25°C, dark
Filling weight: 13.5 g ± 5 %
Packaging: Boxes with 2 x 10 contact plates wrapped in film
pH: 7.4 ± 0.2
Appearance: Signal violet, transparent
Shelf life: 12 weeks
Intended Usage: A glucose-containing selective medium for the detection and enumeration of Enterobacteriaceae on surfaces. For professional use only.
Technique: Depends on the different methods. For information see ISO 18593 Microbiology of the food chain — Horizontal methods for surface sampling

Typical formulation*

<table>
<thead>
<tr>
<th>Component</th>
<th>g/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enzymatic digest of animal tissues</td>
<td>7.0</td>
</tr>
<tr>
<td>Yeast extract</td>
<td>3.0</td>
</tr>
<tr>
<td>Bile salts No. 3</td>
<td>1.5</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>5.0</td>
</tr>
<tr>
<td>Neutral red</td>
<td>0.03</td>
</tr>
<tr>
<td>Crystal violet</td>
<td>0.002</td>
</tr>
<tr>
<td>Glucose</td>
<td>10.0</td>
</tr>
<tr>
<td>Agar</td>
<td>12.0</td>
</tr>
</tbody>
</table>

*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>Positive Controls</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inoculum 50 – 120 colony forming units (cfu), quantitative</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Incubation conditions: 22 – 26 h @ 36 ± 1°C, aerobic</strong></td>
<td></td>
</tr>
<tr>
<td><em>Salmonella Typhimurium ATCC® 14028™</em> (WDCM 00031)</td>
<td>2 – 3 mm, rose colonies with bile precipitate</td>
</tr>
<tr>
<td><em>Escherichia coli ATCC® 8739™</em> (WDCM 00012)</td>
<td>3 – 7 mm, violet colonies with bile precipitate</td>
</tr>
<tr>
<td>Colony counts shall be ≥ 50% of the control medium TSA.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Negative Control</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inoculum 10⁴ – 10⁵ cfu, qualitative, control medium COL+SB</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Incubation conditions: 22 – 26 h @ 36 ± 1°C, aerobic</strong></td>
<td></td>
</tr>
<tr>
<td><em>Enterococcus faecalis ATCC® 29212™</em> (WDCM 00087)</td>
<td>Total inhibition</td>
</tr>
</tbody>
</table>

Tested in accordance with ISO 11133.
The formulation of this medium conforms to DIN 10164 and ISO 21528-1 and -2.

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