OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

BAIRD-PARKER AGAR

Typical Formula, Oxoid CM275

Baird Parker Agar Base

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Grams per litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tryptone</td>
<td>10.0</td>
</tr>
<tr>
<td>'Lab Lemco' powder</td>
<td>5.0</td>
</tr>
<tr>
<td>Yeast extract</td>
<td>1.0</td>
</tr>
<tr>
<td>Sodium pyruvate</td>
<td>10.0</td>
</tr>
<tr>
<td>Glycine</td>
<td>12.0</td>
</tr>
<tr>
<td>Lithium chloride</td>
<td>5.0</td>
</tr>
<tr>
<td>Agar</td>
<td>20.0</td>
</tr>
</tbody>
</table>

Addition

Egg yolk tellurite emulsion SR54 50ml
(50ml of SR54 contains the equivalent of 3ml of 3.5% potassium tellurite).

Preparation

Suspend Baird-Parker Agar Base (63g/litre) in deionised water. Sterilise at 121°C for 15 minutes. Cool, add Egg Yolk Tellurite (50ml/litre of medium). Aseptically dispense into petri dishes. Label dishes, wrap and label pack.

Format

Ten 90mm plates wrapped in a single cellulose-based film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

Physical Tests

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.8 ± 0.2</td>
</tr>
<tr>
<td>Colour</td>
<td>Cream</td>
</tr>
<tr>
<td>Clarity</td>
<td>Opaque</td>
</tr>
<tr>
<td>Fill volume</td>
<td>19.5 ± 1ml</td>
</tr>
</tbody>
</table>

Packaging and presentation:

General appearance of packaging and label should be satisfactory. Label data should be correct.

Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20-25°C and 30-35°C for 5 days.
Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 37°C for 36-48 hours

Inoculum less than 100 colony forming units.

*Staphylococcus aureus*  
ATCC 6538  
Black colonies. Clear and opaque zones.

Colony counts shall be equal to or greater than 50% of the control medium.

Inoculum greater than 10,000 colony forming units

*Staphylococcus epidermidis*  
ATCC 12228  
Inhibited - No growth

*Escherichia coli*  
ATCC 25922  
Inhibited-No growth

**Storage conditions**

Store away from the light at between 2 – 10°C.