PRODUCT SPECIFICATION

OXOID MUELLER HINTON AGAR PLATE WITH SHEEP BLOOD (4mm)  PB0431A

Typical Formula*

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Grams per litre</th>
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</thead>
<tbody>
<tr>
<td>Beef dehydrated infusion</td>
<td>300.0</td>
</tr>
<tr>
<td>Casein hydrolysate</td>
<td>17.5</td>
</tr>
<tr>
<td>Starch</td>
<td>1.5</td>
</tr>
<tr>
<td>Agar</td>
<td>17.0</td>
</tr>
</tbody>
</table>

Addition
Defibrinated sheep blood     50ml

*adjusted as required to meet performance standards

Preparation
Suspend Mueller Hinton Agar (38.0 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool, aseptically add defibrinated sheep blood (50 ml / litre) as above, mix. Aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format
Ten 90mm plates, wrapped in a single nylon 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

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7.4 ± 0.2</td>
</tr>
<tr>
<td>Colour</td>
<td>Red</td>
</tr>
<tr>
<td>Clarity</td>
<td>Opaque</td>
</tr>
<tr>
<td>Fill weight</td>
<td>26.0 ± 0.5g</td>
</tr>
</tbody>
</table>

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

Contamination Check
Macroscopic examination should show no evidence of microbial growth after incubation at 30-34°C for ≥ 72 hours.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 35-37°C for 18-24 hours in 4-6% v/v carbon dioxide

Positive controls
Inoculum 10 - 100 colony-forming units

Streptococcus pneumoniae ATCC®6305 Grey/ green colonies, α-haemolysis

Colony counts shall be greater than or equal to 50% of the control media (Chocolate Blood Agar).
Results after aerobic incubation at 35-37°C for 18-24 hours

*Staphylococcus aureus*  ATCC®25923  White/ grey colonies  
*Escherichia coli*  ATCC®25922  Straw colonies

Colony counts shall be greater than or equal to 50% of the control medium (Tryptone Soya Agar).

**Storage conditions**
Store away from light at between 2-10°C.

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