Product Specification Sheet

*Columbia Agar with Sheep Blood* PLUS

Intended Usage: A medium for the growth of fastidious organisms with clearly visible haemolytic reactions.

For professional use only.

| PB5039A | Version: 04 | Revision Date: April 2020 |
**Thermo Scientific™ Columbia Agar with Sheep Blood** PLUS

**Form of Product**
Poured plate

**Storage**
2 – 12°C, dark

**Filling weight**
17 g ± 5%

**Packaging**
10 plates wrapped in film

**pH**
7.3 ± 0.2

**Appearance**
Traffic red, opaque

**Shelf life**
8 weeks

**Intended Usage**
A medium for the growth of fastidious organisms with clearly visible haemolysis forms.
For professional use only.

**Technique**
Depends on the different methods.
For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0331.

**Typical formulation***

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>g/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special peptone</td>
<td>23.0</td>
</tr>
<tr>
<td>Starch</td>
<td>1.0</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>5.0</td>
</tr>
<tr>
<td>Agar</td>
<td>10.0</td>
</tr>
<tr>
<td>Defibrinated Sheep Blood</td>
<td>50.0 ml</td>
</tr>
</tbody>
</table>

*Adjusted as required to meet performance standards.
Quality Control

1. Control for general characteristics, labelling and printing.

2. Contamination check
   \( \geq 72 \text{ h} @ 20 – 25 \, ^\circ \text{C}, \text{aerobic} \)
   \( \geq 72 \text{ h} @ 30 – 35 \, ^\circ \text{C}, \text{aerobic} \)

3. Microbiological control

<table>
<thead>
<tr>
<th>Positive Control</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inoculum</strong> 50 – 120 colony forming units (cfu), quantitative</td>
</tr>
<tr>
<td><strong>Incubation conditions:</strong> 18 – 24 h @ 36 ± 1°C, aerobic</td>
</tr>
<tr>
<td><em>Streptococcus pyogenes</em> ATCC®12344™</td>
</tr>
<tr>
<td>1 – 2 mm, light grey colonies with ( \beta)-haemolysis.</td>
</tr>
<tr>
<td><strong>Colony counts shall be ( \geq 50% ) of the control medium COL+SB.</strong></td>
</tr>
<tr>
<td><strong>Inoculum</strong> ( 10^3 – 10^4 ) cfu, qualitative, control medium COL+SB</td>
</tr>
<tr>
<td><strong>Incubation conditions:</strong> 18 – 24 h @ 36 ± 1°C, aerobic</td>
</tr>
<tr>
<td><em>Staphylococcus aureus</em> ATCC®25923™</td>
</tr>
<tr>
<td>Good growth, white colonies.</td>
</tr>
<tr>
<td><em>Staphylococcus aureus</em> ATCC®6538™</td>
</tr>
<tr>
<td>Good growth, yellow colonies with haemolysis.</td>
</tr>
<tr>
<td><em>Streptococcus pneumoniae</em> ATCC®6305™</td>
</tr>
<tr>
<td>Good growth, dark grey colonies with ( \alpha)-haemolysis.</td>
</tr>
<tr>
<td><em>Pseudomonas aeruginosa</em> ATCC®9027™</td>
</tr>
<tr>
<td>Good growth, grey shiny colonies.</td>
</tr>
<tr>
<td><em>Escherichia coli</em> ATCC®8739™</td>
</tr>
<tr>
<td>Good growth, dark grey colonies.</td>
</tr>
</tbody>
</table>

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