HiCombi™ Dual Performance Trans Isolate Medium

LQ109

For primary culturing and transport of Neiseria meningitides, Streptococcus pneumoniae and Haemophilus influenzae. Combination of solid (7 ml) and liquid (20 ml) media in single bottle.

**Principle:**
This is diphasic medium developed for the transport of the primary cultures of cerebrospinal fluids from patients with bacterial meningitis. It contains nutrients such as charcoal, starch, and gelatin, which support the growth of fastidious organisms like *N. meningitidis, S. pneumoniae, H. influenzae*. Activated charcoal and starch neutralizes different inhibitory substances acting as detoxifying agents. Gelatin in the medium preserves bacteria by forming a protective coat on the cell surface.

**Quality Control**

**Appearance**
In a sterile glass bottle combination of broth and one agarcoated surface.

**Colour**
Black coloured medium Yellow coloured solution

**Quantity of medium**
7 ml of medium in glass bottle 20 ml of medium in glass bottle

**pH of Agar medium**
6.80 - 7.20

**pH of liquid medium**
7.20 - 7.60

**Cultural response**
Cultural characteristics observed after incubation at 35-37°C at 5-10% CO2 for 24-48 hours.

**Sterility test**
Passes release criteria

### Cultural Response

<table>
<thead>
<tr>
<th>Organism</th>
<th>Growth on agar medium</th>
<th>Growth in liquid medium</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Neisseria meningitidis ATCC 13690</em></td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Haemophilus influenzae ATCC 19418</em></td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Streptococcus pneumoniae ATCC 6303</em></td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
<tr>
<td><em>Neisseria gonorrhoeae ATCC 19424</em></td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
</tbody>
</table>

**Storage and Shelf Life**
Store between 2-8°C. Use before expiry date on the label.