HiCombi™ Dual Performance Trans Isolate Medium

Intended use
Recommended for primary culturing and transport of *Neisseria meningitidis*, *Streptococcus pneumoniae* and *Haemophilus influenzae*. Combination of solid (7 ml) and liquid (20 ml) media in single bottle.

Composition**
Proprietary

Directions
Label the ready to use LQ109 bottle. Inoculate the sample and Incubate at specified temperature and time.

Principle And Interpretation
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.

Type of specimen
Clinical samples : faeces, urine and clinical specimens

Specimen Collection and Handling
For clinical samples follow appropriate techniques for handling specimens as per established guidelines (4,5). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions
In Vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations
1. Further biochemical and serological testing is required for complete identification.

Performance and Evaluation
Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control
Appearance
In a sterile glass bottle combination of broth and one agar coated surface.

<table>
<thead>
<tr>
<th>Colour of Agar medium</th>
<th>Colour of liquid medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black coloured media</td>
<td>Yellow coloured solution</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantity of medium</th>
<th>pH of Agar medium</th>
<th>pH of liquid medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>7ml of agar media in glass bottle and 20ml of liquid medium in glass bottle</td>
<td>7.20- 7.60</td>
<td>7.20- 7.60</td>
</tr>
</tbody>
</table>

Please refer disclaimer Overleaf.
Sterility test
Passes release criteria

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

<table>
<thead>
<tr>
<th>Organism</th>
<th>Inoculum (CFU)</th>
<th>Growth on agar medium</th>
<th>Growth on liquid medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neisseria meningitidis ATCC 13090</td>
<td>50-100</td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Haemophilus influenzae ATCC 19418</td>
<td>50-100</td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Streptococcus pneumoniae ATCC 6303</td>
<td>50-100</td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Neisseria gonorrhoeae ATCC 19424</td>
<td>50-100</td>
<td>Good-luxuriant</td>
<td>Luxuriant</td>
</tr>
</tbody>
</table>

Storage and Shelf Life
On receipt store between 2-8°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal
User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference
In vitro diagnostic medical device

CE Marking

Storage temperature

2°C - 8°C

Do not use if package is damaged

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