**Intended Use:**
Recommended for cultivation of fastidious pathogenic bacteria.

**Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Gms / Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMV infusion from #</td>
<td>500.000</td>
</tr>
<tr>
<td>Proteose peptone</td>
<td>10.000</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>5.000</td>
</tr>
<tr>
<td>Final pH (at 25°C)</td>
<td>7.4±0.2</td>
</tr>
</tbody>
</table>

**Formula adjusted, standardized to suit performance parameters**

# Equivalent to Veal infusion from

**Directions**
Suspend 25.00 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C.

**Principle And Interpretation**
HMV infusion from # are highly nutritious for the growth of fastidious organisms that have exacting growth requirements needing many cellular building block molecules in order to survive. V infusion Broth, recommended by APHA, is used for the cultivation of fastidious pathogenic bacteria (4).

V infusion Broth is used in preparation of stock cultures of *Escherichia coli*, in preparation of *E. coli* cultures to test their ability in invading mammalian cells and in microbial examination of egg and egg products (2).

HMV infusion and proteose peptone provide nitrogen, carbon and other growth nutrients required for the growth of many fastidious microorganisms. Sodium chloride maintains osmotic equilibrium of the medium.

**Type of specimen**
Clinical samples - Urine, faeces, CSF, Food samples

**Specimen Collection and Handling**
For clinical samples follow appropriate techniques for handling specimens as per established guidelines (2,3).
For food samples follow appropriate techniques for handling specimens as per established guidelines (4).
After use, contaminated materials must be sterilized by autoclaving before discarding.

**Warning and Precautions**
In Vitro diagnostic use. 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 tests must be carried out 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
Cream to yellow homogeneous free flowing powder

Colour and Clarity of prepared medium
Light amber coloured clear solution in tubes.

Reaction
Reaction of 2.5% w/v aqueous solution at 25°C. pH : 7.4±0.2

pH
7.20-7.60

Cultural Response
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.

<table>
<thead>
<tr>
<th>Organism</th>
<th>Inoculum (CFU)</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neisseria meningitidis ATCC 14632</td>
<td>50-100</td>
<td>luxuriant</td>
</tr>
<tr>
<td>Staphylococcus epidermidis ATCC 12228</td>
<td>50-100</td>
<td>luxuriant</td>
</tr>
<tr>
<td>Staphylococcus pneumoniae ATCC 6305</td>
<td>50-100</td>
<td>luxuriant</td>
</tr>
<tr>
<td>Streptococcus mitis ATCC 9895</td>
<td>50-100</td>
<td>luxuriant</td>
</tr>
</tbody>
</table>

Key : *Corresponding WDCM numbers.

Storage and Shelf Life
Store between 10-30°C in a tightly closed container and the prepared medium at 15-25°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to prevent lump formation due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use. 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 (2,3).

Reference

Revision: 02 / 2019

Please refer disclaimer Overleaf.
In vitro diagnostic medical device

CE Marking

Storage temperature

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