Trichomonas Agar Base

Trichomonas Agar Base is used for detection and isolation of Trichomonas vaginalis and Candida albicans from clinical specimens.

**Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Gms / Litre</th>
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</thead>
<tbody>
<tr>
<td>Liver digest</td>
<td>25.000</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>6.500</td>
</tr>
<tr>
<td>Dextrose</td>
<td>5.000</td>
</tr>
<tr>
<td>Agar</td>
<td>1.000</td>
</tr>
<tr>
<td>Final pH ( at 25°C)</td>
<td>6.4±0.2</td>
</tr>
</tbody>
</table>

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

**Directions**

Suspend 37.5 grams in 920 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool below 60°C. Inactivate 80 ml of horse serum (RM1239) adjust to pH 6.0 and add it to the medium for diagnostic work. Add Trichomonas Selective Supplement II (FD094) to increase selectivity of the medium.

**Principle And Interpretation**

Trichomonas Agar is formulated as per the formulation of Feinberg and Whittington for the detection and isolation of Trichomonas vaginalis and Candida albicans from clinical specimens (1).

Stenton reported that the incorporation of liver digest in the medium plays an important role in detection of Trichomonas vaginalis (2). Addition of small quantity of agar in the medium creates a slightly reducing atmosphere which in turn favours better growth of Trichomonas species.

From a mixed culture of Trichomonas and Candida, good growth of Trichomonas can be obtained as Candida does not interfere with Trichomonas. The medium is equally suitable for the examination of urethral and vaginal swabs and urine specimens.

Liver digest provide the nitrogenous substances. Dextrose acts as the energy source. The selective agents chloramphenicol and penicillin (FD094) are inhibitory to gram-positive and gram-negative bacteria but not for Trichomonas species. Sodium chloride maintains the osmotic equilibrium of the medium.

Under anaerobic conditions massive inocula are required.

**Quality Control**

**Appearance**
Light yellow to light brown homogeneous free flowing powder

**Colour and Clarity of prepared medium**
Dark amber coloured clear to slightly opalescent viscous solution in tubes.

**Reaction**
Reaction of 3.75% w/v aqueous solution at 25°C. pH : 6.4±0.2

**pH**
6.20-6.60

**Cultural Response**
Cultural characteristics observed with added inactivated Horse Serum (RM1239) and Trichomonas Selective Supplement II (FD094), after an incubation at 35-37°C for 3-5 days.

**Organism**
Growth

Please refer disclaimer Overleaf.
Candida albicans ATCC 10231
Trichomonas vaginalis ATCC 30001
Escherichia coli ATCC 25922

Storage and Shelf Life
Store below 30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

Reference