C.S.F. Diluting Fluid

The CSF Diluting Fluid is used for RBC & WBC counting in Cerebrospinal Fluid analysis.

**Composition**

Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystal violet</td>
<td>0.200 gm</td>
</tr>
<tr>
<td>Glacial acetic acid</td>
<td>10.000 ml</td>
</tr>
<tr>
<td>Distilled water</td>
<td>90.000 ml</td>
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</tbody>
</table>

Final pH (at 25°C) 2.1±0.05

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

**Principle And Interpretation**

Cerebrospinal fluid is the product of continuous secretory activity of the choroid plexuses of the brain ventricles (1).

The cells in CSF rapidly deteriorate or get lysed and become enmeshed in fibrin or form clump. Hence, the cell count is determined immediately. The diluting fluid removes the red blood cells and stains the leucocytes.

**Quality Control**

Appearance
Purple coloured solution.

Clarity
Clear with no insoluble particles.

Reaction
Reaction of the solution at 25°C
pH
1.95-2.15

**Storage and Shelf Life**

Store at 10-30°C in tightly closed container. Use before expiry period on the label.

**Reference**

1) Logothetis J. and Bovis M., 1961, World Neurol., 2:747

Disclaimer:

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