



C.S.F. Diluting Fluid

R004

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

Composition**

Ingredients

Crystal violet	0.200 gm
Glacial acetic acid	10.000 ml
Distilled water	90.000 ml
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

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