



Technical Data

Carbol Fuchsin (ZN , Dilute)

S006

Carbol Fuchsin (ZN, Dilute) is used as solution for monochrome staining of bacteria.

Composition**

Ingredients

Carbol fuchsin	1.000 gm
Distilled water	19.000 ml

**Formula adjusted, standardized to suit performance parameters

Directions

- 1) Prepare a smear on a clear, dry glass slide.
- 2) Allow it to air dry and fix it with gentle heat.
- 3) Flood the slide with Carbol Fuchsin (ZN dilute) (S006).
- 4) Allow the stain to be in contact with the smear for 2-3 minutes or heat the preparation for less than half a minute.
- 5) Wash in slow-running water.
- 6) Blot dry and examine under oil immersion objective.

Principle And Interpretation

Carbol Fuchsin is a primary stain and is a lipid soluble phenolic compound and therefore it penetrates the waxy-cell walls. Staining by carbol fuchsin is further enhanced by heating the preparation to drive the stain into the cell. The acid-fast stain is an important differential stain for identifying the bacteria of the genus *Mycobacterium*.

Quality Control

Appearance

Pinkish red coloured solution.

Clarity

Clear without any particles.

Microscopic Examination

Staining is carried out using Carbol Fuchsin, and staining characteristics is observed under microscope by using oil immersion lens.

Results

The cells are stained red

Storage and Shelf Life

Store below 30°C in tightly closed container and away from bright light. Use before expiry date on label.

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