Schiff's Reagent

Schiff's Reagent is recommended to be used along with S073 (Periodic Acid Solution) to detect aldehyde glycogen and polysaccharide in cytological specimen.

**Composition**

**Ingredients**

- Basic fuchsin 1.0 gm
- Sodium metabisulphate 1.0 gm
- 1N HCl 20.0ml
- Distilled water 100.0 ml

**Quality Control**

**Appearance**

Colourless liquid.

**Clarity**

Clear without any precipitate.

**Microscopic Examination**

Monochrome Staining is carried out using schiffs reagent (S074) as the basic stain and characteristic staining is examined under oil immersion lens.

**Results**

Aldehyde in cell: Bright red to purple granules in cytoplasm.

**Storage and Shelf Life**

Store at 2-8°C in tightly closed container and away from bright light. Use before expiry date on label.

**Reference**

1.) Schiff, H (1886) Eine neue Reihe organischen Diaminen, Justus Liebigs AnnChemie 140,92-137.
2.) Stain Theory-Schiff's Reagent
3.) Textbook Of Medical Laboratory Technology; Praful B. Godkar

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