Periodic Acid Solution (PAS) is recommended to be used along with S074 (Schiff’s Reagent) to detect aldehyde, glycogen and polysachharide in cytological and histological specimen.

**Composition**

**Ingredients**

- Periodic acid crystals: 10.00gm
- Distilled water: 1000.0ml

**Principle And Interpretation**

Staining patterns of lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. When treated with periodic acid, glycols are oxidized to aldehydes. After reaction with Schiff’s reagent, a pararosaniline adduct is released that stains the glycol-containing cellular elements pink to red. Cellular elements which may be demonstrated with the PAS procedure include glycogen, fungal walls, basement membrane, certain epithelial sulphomucins and sialomucins, neutral mucosubstances, colloid material of the thyroid and the pars intermedia of the pituitary.

**Quality Control**

**Appearance**
Colourless liquid.

**Clarity**
Clear without any precipitate.

**Microscopic Examination**

PAS staining is carried out and observed under microscope.

**Results**

- **PAS positive structures**: Bright red to purple granules in cytoplasm.
- **Nuclei**: Black or blue
- **Back ground**: Pink

**Storage and Shelf Life**

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

**Disclaimer**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

HiMedia Laboratories Pvt. Ltd. A 516,Swastik Disha Business Park,Via Vadhan Ind. Est., LBS Marg, Mumbai-400086, India. Customer care No.: 022-6147
1919 Email:techhelp@himedialabs.com Website: www.himedialabs.com