# Periodic Acid Schiff (PAS) for Fungus Stain Kit

**Description:** The Periodic Acid Schiff (PAS) for Fungus Stain Kit is intended for use in histological demonstration of fungal organisms in tissue sections. The PAS reaction is also useful in the demonstration of lymphocytes and mucopolysaccharides. The staining patterns of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia.

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| Fungal Organisms: | Magenta |
| PAS Positive Material: | Magenta |
| Other Tissue Components: | Green/Blue |

**Control Tissue:** Any fungal infected tissue.

**Uses/Limitations:**
Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications.
Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile

**Kit Contents:**

| Item # | Description | Volume | Storage |
|---|---|---|---|
| PAQ030 | Periodic Acid Solution | 30 ml | 2-8° C. |
| SRF030 | Schiff's Solution | 30 ml | 2-8° C. |
| LGA030 | Light Green Solution | 30 ml | 18-25°C. |

**Precautions:**
Keep away from open flame.
Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.
Use in chemical fume hood whenever possible.
Wear protective clothing.

## Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. If sections are Zenker-fixed, remove mercuric chloride crystals using iodine and clear with sodium thiosulfate. Rinse in running tap water.
3. Apply 5-10 drops of Periodic Acid Solution (PAQ030) to tissue section and incubate for 5 minutes (10 minutes for Kidney, skin and diastase digested liver sections).
4. Rinse slide in 4 changes of distilled water.
5. Apply 5-10 drops of Schiff's Solution (SRF030) to tissue section and incubate for 15 minutes (30 minutes for Kidney, skin and diastase digested liver sections).
6. Rinse slide in hot running tap water.
7. Rinse slide in distilled water.
8. Apply 5-10 drops of Light Green Solution (LGA030) to tissue section and incubate for 2 minutes.
9. Rinse quickly in distilled water.
10. Dehydrate through graded alcohols.
11. Clear, and mount in synthetic resin.

**References:**


1. Culling CFA, Allison RT, Barr WT.: Cellular Pathology Technique, 4th Edition. Butterworths, Pages 216-220, 1985.
2. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. CV Mosby, Columbus, OH. Pages 164-167, 1980.



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