

## 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.

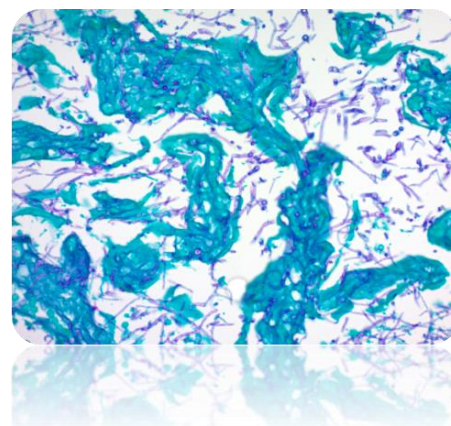
Fungal Organisms: Magenta  
PAS Positive Material: Magenta  
Other Tissue Components: Green/Blue

### 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.

Storage: 2° C  25° C

**Mixed Storage Conditions.  
Separate Contents.**

Doc: IFU-TemplateMixedStoragerev2



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## 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 10 minutes. **Note:** *to increase subsequent Schiff staining intensity, perform this step with the Periodic Acid solution heated to 60°C.*
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 15-30 minutes.
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.

**Note:** A crystal precipitate may be seen when staining with small volumes of Schiff's solution on horizontal slides. This precipitate can be removed by rinsing vigorously in warm tap water for 5 minutes or by reapplying Periodic Acid Solution to the tissue and agitating the slide for 30-60 seconds. These modifications should be performed before counterstaining.

## References:

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

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