

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

Uses/Limitations: For In-Vitro Diagnostic use only.
Histological applications.
Do not use past expiration date.
Use caution when handling these reagents.

Control Tissue: Any fungal infected tissue.


Availability/Contents:

<u>Kit Contents</u>	<u>Volume</u>	<u>Storage Conditions</u>
Periodic Acid Solution	250 ml	2-8° Centigrade
Schiff's Solution	250 ml	2-8° Centigrade
Light Green Solution	125 ml	Room Temperature

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. Immerse slide in Periodic Acid Solution for 5 minutes (10 minutes for Kidney, skin and diastase digested liver sections).

Storage: 2° C  25° C


**Mixed Storage Conditions.
Separate Contents.**

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4. Rinse slide in 4 changes of distilled water.
5. Immerse slide in Schiff's Solution 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. Stain slide in Light Green Solution 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.

Storage: 2° C  25° C

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Separate Contents.**