

Instructions for Use

0.5% Periodic Acid



| CATALOG NUMBER | DESCRIPTION | UNIT OF MEASUREMENT |
|----------------|------------------------------|---------------------|
| AHP0326 | 0.5% Periodic Acid, 100 mL | 1 each |
| AHP0343 | 0.5% Periodic Acid, 1 pint | 1 each |
| AHP0350 | 0.5% Periodic Acid, 1 liter | 1 each |
| AHP0357 | 0.5% Periodic Acid, 1 gallon | 1 each |

INTENDED USE

0.5% Periodic Acid is a component used in the following stain kits: PAS (Periodic Acid-Schiff), Alcian Blue-PAS, and Jones Basement Membrane.

GENERAL INFORMATION

0.5% Periodic Acid acts as an oxidizer in PAS, Alcian Blue-PAS, and Jones Basement Membrane Stain Kits to demonstrate basement membrane, fungi, glycogen, and mucin.

STORAGE AND STABILITY

Storage: Store in a cool dry place.


Refer to SDS for details.

PERIODIC-ACID SCHIFF (PAS) STAIN PROCEDURE

1. Deparaffinize slides using 2 changes of Xylene or Xylene Substitute for 5 minutes each change or as required if using a Xylene Substitute.
2. Rinse slides in 3 changes of absolute alcohol or as required if using graded alcohols.
3. Rinse in running DI water for 1 minute.
4. **IF DIGESTION IS REQUIRED**, immerse slides in diastase working solution (catalog number SSC-AAS250 or AHDIA50) for 20 minutes, then rinse in running DI water for 1 minute.
5. Immerse slides in **0.5% Periodic Acid** for 7 minutes, then rinse in running DI water for 10 seconds.
6. Immerse slides in Schiff's Reagent for 15 minutes.
7. Rinse in running tap water for 5 minutes.
8. Immerse slides in Modified Mayer's Hematoxylin for 2 minutes, then rinse in running tap water for 1 minute.
9. Immerse slides in Light Green Counterstain for 30-60 seconds until desired intensity is reached. **DO NOT rinse in water when slides are complete.**
10. Dehydrate slides through 3 changes of absolute alcohol for 3 seconds each change with agitation.
11. Clear slides through 3 changes of Xylene or Xylene Substitute for 1 minute each change or as required if using Xylene Substitute.
12. Coverslip with permanent mounting media.

This protocol is a recommendation only. Modifications may be necessary.

Please contact tech@statlab.com with any additional questions.

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