

Usage procedure for:

## Periodic Acid Schiff (PAS) Diastase Stain Kit

Avantik Kit Item #: RS4563-125 | RS4563-250 | RS4563-500



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### Solutions Provided in Stain Kit:

Diastase Solution  
Periodic Acid, 0.5%  
Schiff's Reagent  
Modified Mayer's Hematoxylin

### Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Expose tissue sections to **Diastase Solution** for 10-30 minutes, then rinse thoroughly in running tap water for 1-2 minutes or 2 changes of distilled water.
3. Place slides in **Periodic Acid, 0.5%** for 5 minutes.
4. Rinse slides quickly in 3 changes of distilled water.
5. Place slides in **Schiff's Reagent** for 15 minutes.  
Note: Schiff's Reagent should be warmed to room temperature before use.
6. Wash slides in running tap water for 10 minutes.
7. Stain Slides in **Modified Mayer's Hematoxylin** for 1-2 minutes (or until desired intensity of nuclear staining is reached).
8. Wash sections to blue hematoxylin (approximately 3 minutes).
9. Dehydrate in 3 changes of 100% alcohol.
10. Clear and mount with appropriate mounting medium.

### Results:

Glycogen, Basement Membrane	
Neutral Mucosubstances, Fungi:	Pink-Red
Nuclei:	Blue

### Kit Components and Related Control Slides:

Avantik Item Numbers:

**Diastase Solution:** RS4402-250 (250 mL) | RS4402-500 (500 mL)

**Periodic Acid, 0.5%:** RS4435-250 (250 mL) | RS4435-500 (500 mL)

**Schiff's Reagent:** RS4450-250 (250 mL) | RS4450-500 (500 mL)

**Modified Mayer's Hematoxylin:** RS4427-250 (250 mL) | RS4427-500 (500 mL)

**PAS Diastase Control Slides:** SL6215-A (Pack/12) | SL6215-B (Pack/25) | SL6215-D (Pack/100)