

Usage procedure for:

Periodic Acid Schiff (PAS) Stain Kit

Avantik Kit Item #: RS4565-125 | RS4565-250 | RS4565-500

Solutions Provided in Stain Kit:

Periodic Acid, 0.5%

Schiff's Reagent

Modified Mayer's Hematoxylin



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Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.

(Note: If digestion is desired, place slides in 0.5%-1% Diastase for 20 minutes, then rinse thoroughly in running tap water for 1-2 minutes.)

2. Place slides in **Periodic Acid, 0.5%** for 5 minutes.

3. Rinse slides quickly in 3 changes of distilled water.

4. Place slides in **Schiff's Reagent** for 15 minutes.

(Note: Schiff's Reagent should be warmed to room temperature before use.)

5. Wash slides in running tap water for 10 minutes.

6. Stain slides in **Modified Mayer's Hematoxylin** for 1-2 minutes (or until desired intensity of nuclear staining is reached).

7. Wash sections to blue hematoxylin (approximately 3 minutes).

8. Dehydrate in 3 changes of 100% alcohol.

9. Clear and mount with appropriate mounting medium.

Results:

Glycogen, Basement Membrane,

Neutral Muchosubstance, Fungi: Pink-Red

Nuclei: Blue

Kit Components and Related Control Slides:

Avantik Item Numbers:

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 Control Slides: SL6214-A (Pack/12) | SL6214-B (Pack/25) | SL6214-D (Pack/100)