

**PAS**  
(last update 09/2021)

Date: \_\_\_/\_\_\_/\_\_\_ Technician (Initials): \_\_\_\_\_

**OBJECTIVE:** Staining method for carbohydrates.

**RECOMMENDED CONTROL TISSUE:** Liver/Kidney

ID of Control Used: \_\_\_\_\_ Type of Tissue: \_\_\_\_\_

Reagent	Vendor	Catalog #	Was this a new Bottle (Y/N)? If Yes, check lot log.
Schiff Reagent	Sigma	395-B	
0.5% Periodic Acid	Fisher Scientific	BP581-100	
Mayers Hematoxylin	Rowley	L-756-1A	

**REAGENT PREPARATION (if needed):**

0.5% Periodic Acid Solution: 2.5 g in 500 ml MilliQ H<sub>2</sub>O

\*Reagent is stable for 1 year at room temperature.

**PROTOCOL**

NOTE: Allow Schiff Reagent to reach room temperature before staining.

1. Deparaffinize slides and bring to dI H<sub>2</sub>O
2. Soak slides in 0.5% Periodic Acid 5 minutes
3. Rinse in DH<sub>2</sub>O
4. Soak slides in Schiff Reagent 20 minutes
5. Wash in running Tap H<sub>2</sub>O 5 minutes
6. Counterstain with Mayers Hematoxylin 2 minutes
7. Rinse with Tap H<sub>2</sub>O
8. Blue with Scott's Tap H<sub>2</sub>O 1 minute
9. Rinse with dI H<sub>2</sub>O
10. Dehydrate clear and mount

**EXPECTED RESULTS:** Carbohydrates and Biological structures - Pink to Magenta; Nuclei- Blue

**CASE IDs/SLIDE NUMBERS:**