

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 H₂O

*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 H₂O
2. Soak slides in 0.5% Periodic Acid 5 minutes
3. Rinse in DH₂O
4. Soak slides in Schiff Reagent 20 minutes
5. Wash in running Tap H₂O 5 minutes
6. Counterstain with Mayers Hematoxylin 2 minutes
7. Rinse with Tap H₂O
8. Blue with Scott's Tap H₂O 1 minute
9. Rinse with dI H₂O
10. Dehydrate clear and mount

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

CASE IDs/SLIDE NUMBERS: