

This procedure is available in kit form from:  
**Poly Scientific R&D Corp.**  
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cat# cy008

## PERIODIC ACID SCHIFF REACTION (PAS)

- SOLUTIONS:**
1. Periodic Acid 1% Aqueous
  2. Schiff's Reagent
  3. Sodium Meta-Bisulfite 0.5% Aqueous
  4. Pal's Bleach
  5. Fast Green 1% in 1% Acetic Acid
  6. Weigert's Iron Hematoxylin Solutions A & B

### **STAINING PROCEDURE:**

Note: Start with step 1 for paraffin sections and with step 3 for smears.

1. Deparaffinize in two changes of Xylene for 5 minutes each.
2. Hydrate through two changes of Absolute Alcohol, 95%, 80% and 70% Alcohols, 15 dips each.
3. Wash in distilled water for 15 dips.
4. Place in Periodic Acid 1% Aqueous for 10 minutes.
5. Wash in running tap water for 10 minutes.
6. Wash in distilled water - 15 dips.
7. Place in Schiff's Reagent for 15 minutes.
8. Place in three changes of Sodium Metabisulfite 0.5% Aqueous for 2 minutes each.
9. Wash in running tap water for 10 minutes.
10. Place in Weigert's Iron Hematoxylin Working Solution for 4 minutes.
11. Wash in running tap water for 5 to 10 minutes.
12. One dip in Pal's Bleach.
13. Wash in running tap water for 5 minutes.
14. Wash in distilled water - 15 dips.
15. Stain in Fast Green 1% in 1% Acetic Acid for 1 dip.
16. Wash in distilled water for 15 dips.
17. Dehydrate in 95% Ethyl Alcohol and Absolute Alcohol, 2 changes each - 15 dips.
18. Clear in two changes of Xylene - 15 dips each.
19. Mount with Poly Mount (cat# s2153) or any other acceptable mounting medium.

### **RESULTS:**

Carbohydrates and Fungi.....Magenta  
Nuclei.....Black  
Background.....Green