

This procedure is available in kit form from:  
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cat# cy005

## **PRUSSIAN BLUE REACTION FOR HEMOSIDERIN (PERL'S)**

### **SOLUTIONS:**

1. Potassium Ferrocyanide 2% Aqueous
2. Hydrochloric Acid 2% Aqueous  
Potassium Ferrocyanide-HCl Working Solution:  
Potassium Ferrocyanide 2% Aqueous.....50 mL  
Hydrochloric Acid 2% Aqueous.....50 mL
3. Neutral Red 1% Aqueous

### **STAINING PROCEDURE:**

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

1. Deparaffinize in two changes of Xylene, 5 minutes each.
2. Hydrate through two changes of Absolute Ethyl Alcohol 95%, 80% and 70% Alcohols, 15 dips each.
3. Wash in distilled water, 15 dips.
4. Place in Potassium Ferrocyanide-HCl Working Solution for 30 minutes.
5. Wash in three changes of distilled water, 15 dips each.
6. Stain in Neutral Red 1% Aqueous for 10 – 15 seconds.
7. Wash in three changes of distilled water, 15 dips each.
8. Dehydrate in two changes of 95% Alcohol and absolute Alcohol, 15 dips each.
9. Clear in two changes of Xylene, 15 dips each.
10. Mount with Poly Mount (cat# s2153) or any other acceptable mounting medium.

### **RESULTS:**

Ferric-iron-containing pigments.....Blue  
Nuclei.....Red