

## **J-613 PRUSSIAN BLUE METHOD FOR HEMOSIDERIN**

**FIXATION:** 10% Buffered Neutral Formalin (F-113)  
**SECTION:** Paraffin

### **STAINING PROCEDURE:**

1. Deparaffinize and hydrate to distilled water.
2. Place sections in working staining solution for 30 minutes at 60°C or for 1 hour at room temperature. Rinse in distilled water.  
Prepare working stain by mixing equal volumes of **Potassium Ferrocyanide, 2%, Aqueous**, (J-613-1) and **Hydrochloric Acid, 2%**, (J-613-2). Prepare fresh just before use.
3. Counterstain in **Safranin O, 0.2%**, (J-613-3) for 2 minutes. Wash in **Acetic Acid, 1%**, (J-613-4).
4. Dehydrate in 95% Alcohol, Absolute Alcohol, clear in Xylene and mount in synthetic resin.

### **RESULTS:**

Hemosiderin.....blue or green  
Nuclei.....red  
Background.....pink

### **REFERENCES:**

Perls, M., Virchow's Arch. F. Path. Anat., 39:42-48, 1867

Highman, B., Arch. Path., 33:937-938, 1942

Lillie, R.D. Histopathologic Technic and Practical Histo-chemistry, 3<sup>rd</sup>. edition, McGraw-Hill, N.Y., 1965

Clark, G., (ed.), Staining Procedures, 3<sup>rd</sup> edition, Williams & Wilkins, Baltimore, p. 157 c. 1973