

B-170 PRUSSIAN BLUE METHOD FOR HEMOSIDERIN

Fixation: **10% Buffered Neutral Formalin** (F-113).

Sections: Cut paraffin sections at 4-6 microns

Staining:

1. Deparaffinize and hydrate to Distilled Water.
2. Place sections in working staining solution* for 30 minutes at 60°C or for one hour at room temperature. Rinse in distilled water.
*Prepare working stain by mixing equal volumes of **Potassium Ferrocyanide, 2%** (B-170-1) and **Hydrochloric Acid, 2%** (B-170-2). Prepare fresh just before use.
3. Counterstain in **Safranin O, 0.2%** (B-170-3) for 2 minutes. Wash in **Acetic Acid, 1%** (B-170-4).
4. Dehydrate in 95% Alcohol, absolute alcohol, clear in **Xylene** (C-120) and mount in synthetic resin.

Stain 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 Histochemistry, 3rd ed., McGraw Hill, N.Y., 1965
Clark, G., (ed.), Staining Procedures, 3rd ed., Williams & Wilkins, Baltimore, P. 157, c1973