

Prussian Blue Method for Hemosiderin

Catalog #: 26613-Series

Fixation:

10% Buffered Neutral Formalin (#15740).

Sections:

Paraffin @ 5 microns

Staining Procedures:

1. Deparaffinize and hydrate to distilled water.
2. Place sections in working staining solution* for 30 minutes @ 60°C or for 1 hour at room temperature. Rinse in distilled water.
 - a. Prepare working stain by mixing equal volumes of Potassium Ferrocyanide, 2% Aqueous (#26613-01) and Hydrochloric Acid, 2% (#26613-02). Prepare fresh just before use.
3. Counter-stain in Safranin O, 0.2% (#26613-03) for 2 minutes. Wash in Acetic Acid, 1% (#26613-04)
4. Dehydrate in 95% Alcohol, absolute alcohol, and clear in xylene, two changes each.
5. Mount with Permount (#17986-01) or any 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 Histo-chemistry, 3rd edition, McGraw-Hill, N.Y., 1965.

Clark, G. (ed). Staining Procedures, 3rd ed., Williams & Wilkins, Baltimore, p. 157 c. 1973.