

## **J-605, MALLORY'S METHOD FOR IRON**

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

**Sections:** Paraffin @ 6 microns.

**Staining:** Use control slide. Use acid clean glassware.

1. Deparaffinize and hydrate to distilled water.
2. Freshly made Hydrochloric Acid-Potassium Ferrocyanide solution for ten minutes. Prepare working solution by mixing **Hydrochloric Acid Solution, 5%** (J-605-1) and **Potassium Ferrocyanide, 5%** (J-605-2) 1:1.
3. Counterstain with **Nuclear Fast Red** (J-605-3) for 5 minutes. Rinse in distilled water.
4. Dehydrate in 95% alcohol, absolute alcohol. Clear in two changes of Xylene (C-120). Mount.

**Stain Results:**

Iron Pigments	Bright Blue
Nuclei	Red
Cytoplasm	Pink

**References:**

- AFIP.....p. 185.  
Mallory, F.B. and Wright, J.H.: Pathological Technique, 8<sup>th</sup> ed. Philadelphia, W.B. Saunders Co., 1924, p. 207.