

B-169 TURNBULL BLUE METHOD FOR HEMOSIDERIN

FIXATION: Buffered Neutral Formalin, 10% (F—113) or absolute alcohol.

SECTIONS: Cut paraffin @ 6 microns.

STAINING:

1. Deparaffinize and hydrate to distilled water.
2. Ammonium Sulfide (B-169-1) for 4 hours. Rinse thoroughly in distilled water.
NOTE: Loss of sections sometimes occurs in Ammonium Sulfide. Dilution of one part Ammonium Sulfide with 3 parts of 95% alcohol is a way to avoid this problem.
3. Stain in working* Hydrochloric Acid — Potassium Ferricyanide solution for 20 minutes. Rinse thoroughly in distilled water.
*Prepare working stain by mixing equal volumes of Hydrochloric Acid, 1% (B-169-2) and Potassium Ferricyanide, 20% (B-169-3), just before use.
4. Counterstain for 5 minutes in Nuclear Fast Red Solution (B-169-4). Rinse in distilled water.
5. Dehydrate in 95% alcohol, absolute alcohol, and clear in Xylene, two changes each.
6. Mount with Permount (M-18).

STAINING RESULTS:

Hemosiderin	blue
Nuclei	red

REFERENCES:

Mallory, F 3., Pathological Technique, Hafner Publ. Co., NY, 1961, p 138

Luna, L.G., (ed.), Manual of Histologic Staining Methods of the AFIP, 3rd edition, McGraw-Hill, N.Y., p.178, c. 1968