

J-607, SCHMORL'S METHOD FOR REDUCING SUBSTANCES

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

Sections: Paraffin @ 6 microns.

STAINING:

1. Deparaffinize and hydrate to distilled water.
2. Place in **Ferric Chloride Potassium Ferricyanide Solution** (J-607-1) for three changes of 7 minutes each. Rinse in distilled water.
3. Stain in **Mucicarmine** (J-607-2) working solution for 1 hour. Rinse rapidly in distilled water.
4. Counterstain for a few seconds in **Metanil Yellow, 0.25%** (J-607-3) Rinse rapidly in distilled water.
5. Dehydrate in 95% alcohol, absolute alcohol, and clear in xylene, two changes each.
6. Mount with **Permount** (M-18).

Stain Results:

Argentaffin granules	Blue
Goblet cells, Mucin	Reddish pink
Background	Yellowish green
Reducing substances	Blue

References:

Barka, T. and Anderson, p., Histochemistry Theory, Practice and Bibliography, Harper & Row, NY p 185-186, 1963

Luna, L.G., (ed.) Manual of Histologic Staining Methods of the AFIP, 3rd edition, McGraw-Hill NY, p 185, c 1968.