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F-380 FRASER-LENDRUM METHOD FOR FIBRIN

FIXATION: Zenker's

SECTION: Paraffin @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Place in **Gram's Iodine**, (F-380-8A), or **Lugol's Iodine** (F-380-8) for 15 minutes. Rinse in running water.
3. Clear with **Sodium Thiosulfate, 5%, Aqueous** (F-380-9) for 3 minutes. Wash in running water for 15 minutes.
4. Stain in **Celestine Blue Solution**, (F-380-1) for 5 minutes. Wash in water.
5. Stain in **Mayer's Hematoxylin**, (F-380-2) for 5 minutes. Wash in water for 5 minutes.
6. Stain for 5 minutes in **Orange G-Picric Acid Solution**, (F-380-3). Wash in water for 1 minute.
7. Stain for 5 minutes in **Acid Fuchsin, 1%, Aqueous**, (F-380-4). Wash in water.
8. Place in **Orange G-Picric Acid Differentiation Solu**tion, (F-380-5) for 10-15 seconds. Wash in water.
9. Place in ***MacFarlane's Working Solution**, (F-380-6A) for 5 minutes. Wash in water.
   *Working solution may be prepared by mixing:

MacFarlane's Stock Solution	40ml
95% Alcohol	40ml
Distilled Water	20ml

10. Counterstain for 1 minute in **Light Green, 2%,** (F-380-7). Wash in water.
11. Dehydrate in 95% Alcohol, Absolute Alcohol, and clear in Xylene, two changes each.
12. Mount with **Permount** (M-18).

RESULTS:

Fibrin, Keratin and some Cytoplasmic Granules……..red
Erythrocytes……..orange
Collagen……green

REFERENCES:

Lendrum, A.C., Fraser, D.S., Slidders, W. and Henderson, R., J. Clin. Path., 15: 401-413, 1962
Luna, L.G., (ed.), Manual of Histologic Staining Methods of the AFIP, 3rd edition, McGraw-Hill, NY, c 1968, p 81.