

L-758, WEIGERT'S IRON HEMATOXYLIN WITH METACHROMATIC DYES

Fixation: Formalin, Bouin, Carnoy, Orth's or Zenker's

Sections: Paraffin

Staining:

1. Deparaffinize and hydrate to distilled water.
2. Stain in Working Weigert's Solution* for 6 minutes. Wash in water.
*Prepare working solution by mixing equal volumes of **Weigert's Iron Hematoxylin A** (L-758-1) and **Weigert's Iron Hematoxylin B** (L-758-2).
3. Stain in **Fast Green FCF, 0.02%** (L-758-5) for 3 minutes.
4. Wash in **Acetic Acid, 1%** (L-758-7).
5. Stain for 4-6 minutes in **Bismarck Brown, 0.1%** (L-758-6) or in **Safranin O, 0.1%** (L-758-6A).
6. Dehydrate with 95% alcohol and 2 changes of absolute alcohol.
7. Clear with **Alcohol:Xylene, 1:1** (C-122), 1 change, & 2 changes of **Xylene** (C-20).
8. Mount with synthetic resin.

RESULTS:

Nuclei	Black
Cytoplasm	Gray-green
Mucus, cartilage and mast cell granules	Yellowish brown, deep red or orange-red depending on dye used.

REFERENCES:

- Weigert, K., Z. Wissen. Mikr., 21:1-5, 1904
Lillie, R.D., Histopathologic Technic and Practical Histochemistry, 3rd, edition, McGraw-Hill, NY, 1965
Clark, G., (ede.) Staining Procedures, 3rd edition, Williams & Wilkins, Baltimore, p. 40, c 1973