F-379  HART’S METHOD FOR ELASTIC FIBERS

FIXATION:  10% Buffered Neutral Formalin
SECTION:  Paraffin, @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Oxidize in Potassium Permanganate, 0.25%, Aqueous, (F-379-3), 5 minutes. Rinse in distilled water for several minutes and then tone in Oxalic Acid, 5%, Aqueous, (F-379-4) until the sections are clear.
3. Wash in running tap water for several minutes and then transfer to distilled water.
4. Stain in working Resorcin-Fuchsin overnight (12 hours).
   To prepare working solution, mix just before use:
   - 10 ml Resorcin Fuchsin Stock, (F-379-1)
   - 100 ml 70% Alcohol
   - 2.0 ml Hydrochloric Acid, concentrated
5. Wash in running tap water for ten minutes and then rinse in distilled water.
7. Dehydrate in 95% Alcohol, Alcohol and clear in Xylene, two changes each.
8. Mount.

RESULTS:

Elastic Fibers……………………………..black – dark blue
Nuclei…………………………………….dark black blue
Collagen………………………………….red-pink
Miscellaneous Tissue Elements………….yellow
(Depending on chosen counterstain)

REFERENCES:


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