F-370 WEIGERT’S RESORCIN FUCHSIN

**FIXATION:** Any common reagent may be used.

**SECTION:** Cut paraffin sections at 6 microns

**STAINING PROCEDURE:**

1. Daparaffinize and hydrate to distilled water.
2. Stain in Resorcin-Fuchsin Solution (F-370-1), for 1-12 hours depending upon the depth of stain required for the elastic fibers. (Nuclei may be stained in Weigerts’ Iron Hematoxylin prior to the Resorcin Fuchsin rather than after as is described here.)
   *To prepare Weigert's Hematoxylin solution
   *Prepare fresh just before use.
   Mix equal parts of **Weigert’s Iron Hematoxylin A** (F-370-4A), with **Weigert’s Iron Hematoxylin B** (F-370-4B).
3. Clear the stain in 95% Alcohol. Acid Alcohol may be used to differentiate any slide that has stained diffusely, wash in tap water.
4. Stain slides in Weigert’s Iron Hamatoxylin (see above) or other Alum Hematoxylin (**Delafielde's Hematoxylin**) (F-370-3A) and then counterstain in **Van Gieson's Solution**, (F-370-3B). **Orth’s Carmine Stain**, (F-370-2) may be used to stain the nuclei prior to the Resorcin-Fuchsin for a resulting reddish dust and where no other counterstain is desired.
   Water will remove excess Van Gieson’s Stain from slides.
5. Differentiate and dehydrate the slides in two changes each of 95% Alcohol and Absolute Alcohol. Clear the slides in two changes of Xylene.
6. Mount

**RESULTS:**

- Elastic Tissues…………………………………dark blue
- Nuclei (red if Orth’s Carmine used)………dark blue
- Collagen……………………………………..red-pink
- Miscellaneous Tissue Elements……………yellow
  (with Van Gieson’s stain)

**REFERENCES:**

