

E-310 BEST'S METHOD

FIXATION: CARNOY'S FLUID (F-60) ALCOHOLIC FORMALIN (F-127)
SECTION: Paraffin, @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
Or
- 1A. Remove paraffin from sections through two changes each of Xylene (C-120) add 100% alcohol and place in Celloidin, 1%, in alcohol-ether for 5-10 minutes. Drain 1 minute with slides vertical. Harden 5 minutes in 80% alcohol. Transfer to tap water.
2. Stain 15 minutes in Mayer's Hematoxylin, (E-310-6). Wash in running water for 15 minutes.
3. Working carmine solution 20- 30 minutes. Prepare working carmine solution by mixing:
10ml Carmine Stock, (E-310-1)
15ml Ammonium Hydroxide, 28%, (E-310-4)
15ml Methanol, (E-310-5)
Do not filter. Use within 24 hours and use only once.
4. Differentiating Solution (E- 310-9) for a few seconds. Rinse quickly in 80% Alcohol. Dehydrate in 95% alcohol, absolute alcohol, and clear in Xylene (C-120) two changes each.
Or
- 4A. Rinse sections with three changes of Methanol (E-310- 5). Dehydrate and decolloidinize with two or three changes of Acetone (D-60). Clear with Acetone-Xylene (C-121) followed by two changes of Xylene (C-120).
5. Mount.

RESULTS:

Glycogen.....red
Nuclei.....blue

REFERENCES:

- Bensley, C.M. Stain Technonogy, 14:47 (1930).
AFIP Manual of Histological Staining Methods, 3rd ed., Ed. L. Luna: New York: Mcgraw Hill Publications, c. 1968, p. 157.
Clark, G.: Staining Procedures, Williams and Wilkins Co., Baltimore, 3rd ed., c. 1973, p. 150.