F-395  SNOOK’S METHOD FOR RETICULUM

FIXATION:  10% Buffered Formalin
SECTION:  Paraffin at 6 microns

STAINING PROCEDURE:

Staining: Use only acid clean glassware and paraffin coated forceps. Replace solutions after 10-12 slides have been processed, one slide at a time.

1. Deparaffinize and hydrate to distilled water.
2. Oxidize in Potassium Permanganate, 0.25%, Aqueous, (F-395-2) 5 minutes. Wash in tap water.
3. Oxalic Acid, 5%, (F-395-9) until sections are clear. Wash in tap water, then in distilled water.
4. Mordant in Zinc Formalin (F-395-3) 5 seconds. Wash in running water.
5. Ammoniacal Silver Solution,* freshly prepared for 1 minute. Dip in running water.
   *The Ammoniacal Silver Solution is prepared as follows:
   a. Add 20 drops of Sodium Hydroxide, 10%, Aqueous (F-395-1B) to 20ml of Silver Nitrate, 5%, Aqueous (F-395-1A) in an Erlenmeyer flask.
   b. Add Ammonium Hydroxide, concentrate, (F-395-1C) drop by drop until only a few granules of the resulting precipitate remain, stir constantly.
   c. Add distilled water to bring the volume to 60ml, filter and use at once.
6. Formalin, 1%, (F-395-7) 1 minutes. Wash in running water.
7. Gold Chloride, 1%, (F-395-4) until section is grayish black (1 minute). Wash in running water.
8. Sodium Thiosulfate, 5%, Aqueous, (F-395-8) 30 seconds to 1 minute. Wash in running water.
10. Dehydrate through 95% alcohol and absolute alcohol. Clear in Xylene, (C-120) two changes. Mount.

RESULTS:

Reticulum Fibers……………………………………gray to black
Background…………………………………………pink

NOTE: If beading effect, rather than well-defined fibers are noticed, replace Ammoniacal Silver, Uranium Nitrate and Formalin solutions.

REFERENCES:


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