

G-472 TOREN'S METHOD FOR MAST CELLS

FIXATION: 10% Buffered Neutral Formalin (F-113)

SECTION: Paraffin, @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Stain in *Working Giemsa Solution for 75 minutes. Rinse in distilled water.
*Prepare Working Giemsa Solution by adding 40 drops of
Giemsa Stock Solution, (G-472-1), to 40ml of distilled water and mixing thoroughly.
Prepare fresh, immediately before use.
3. Place in Acetic Acid, 0.5%, (G-472-2) for 5 to 10 seconds. Rinse in distilled water.
4. Stain in Pollack's Trichrome Solution, (G-472-3) for 10 to 15 seconds.
5. Rinse in Acetic Acid, 0.5%, (G-472-2), until no more stain washes off, 3 to 5 seconds.
6. Dehydrate in 95% Alcohol, Absolute Alcohol and clear in Xylene.
7. Mount with Permount.

RESULTS:

Mast Cell Granules.....deep blue
Collagen & Cartilage.....blue green
Muscle & Elastic Fibers.....red
Fibrin.....purple
Bone.....green
Colloid, Keratin & Erythrocytes.....orange red to orange

REFERENCES:

- Toren, D.A.: Stain Techn., 38:249-250, 1963.
Luna, L., (ed.), Manual of Histologic Staining Methods of the AFIP, 3rd. ed.,
McGraw-Hill, New York, c. 1968, pp. 116-117.