

D-252 MAXIMOW'S METHOD **FOR BONE MARROW**

Fixation: Zenker-Formol

Sections: Paraffin at 6 microns.

Staining:

1. Deparaffinize and hydrate to distilled water.
2. **Mayer's Hematoxylin** (D-252-1) for 15 minutes. Wash in tepid tap water for 15 minutes.
3. Stain in working solution overnight. Prepare working solution fresh each time as follows.

<u>Eosin Y, 0.1%, Aqueous</u> (D-252-2)	10 ml
Triple distilled water or <u>Phosphate Buffer</u> pH 6.8-7.0 (D-252-7)	100 ml
<u>Azure II, 0.1%, Aqueous</u> (D-252-3)	10 ml
Glacial Acetic Acid	2 drops
4. Differentiate in 95% alcohol until blue ceases to come out into alcohol and erythrocytes and collagen are pink.
5. Dehydrate in absolute alcohol, clear in **Xylene** (C-120), two changes each.
6. Mount with **Permount** (M-18).

Results:

Nuclei	Blue
Basophile leucocyte, mast cell granules	Purple to Violet
Cartilage	Purple
Erythrocytes, eosinophile granules	Pink
Cytoplasm	Blue to Pink

References:

AFIP Manual of Histologic Staining Methods; 3rd edition, Ed. L. Luna: New York: McGraw Hill Publications, c. 1968, p. 120.

Mallory, F.B., Pathological Technique, New York, Hafner Publishing Co., 1961, p.196