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H-516, PEARSE'S METHOD FOR PHOSPHOLIPIDS

FIXATION: Bakers Calcium Cadmium Formol

Sections: Paraffin @ 6 microns

Staining:

1. Deparaffinize and place in absolute alcohol.
2. Stain in **Luxol Fast Blue Solution**, (H-516-1A) overnight at 58 °C. Rinse in 70% Alcohol and then rinse in distilled water.
3. Differentiate for 30 minutes to 2 hours in **Lithium Carbonate, 0.05%** , (H-516-2). Rinse in distilled water.
4. Counterstain for 30 minutes in **Neutral Red, 1%**, (H-516-3). Rinse in distilled water and blot dry.
5. Dehydrate in 95% alcohol, absolute alcohol and clear in xylene, two changes, two minutes each change.
6. Mount with **Permount** (M-18).

Staining Results:

Phospholipids	Blue
Nuclei and Nucleoli	Red
Early lipofuchsin, Eosinophil granules, keratin, keratohyalin, human elastic tissues	Blue to Purple

REFERENCES:

Pearse, A.G.E., J. Path.Bact., 70:554-557, 1995
Luna, L.G. (ed.), Manual of Histologic Staining Methods of the Armed Forces Institute of Pathology, 3rd ed., McGraw-Hill, N.Y., c 1968, pg 148.