**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.


**Staining Results:**

<table>
<thead>
<tr>
<th></th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phospholipids</td>
<td>Blue</td>
</tr>
<tr>
<td>Nuclei and Nucleoli</td>
<td>Red</td>
</tr>
<tr>
<td>Early lipofuchsins, Eosinophil granules, keratin, keratohyalin, human elastic tissues</td>
<td>Blue to Purple</td>
</tr>
</tbody>
</table>

**REFERENCES:**