L-774, LILLIE'S METHOD FOR NUCLEIC <u>ACID</u>

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

Sections: Paraffin @ 6 microns

Staining:

- 1. Deparaffinize and hydrate to distilled water.
- Place slides in preheated <u>1 N Hydrochloric Acid</u> (L-774-2) at 60°C for 10-15 minutes.
- 3. Stain for 10 minutes in Schiff's Reagent (L-774-1).
- 4. Place in <u>Sodium Bisulfite, 0.05M</u>(L-774-3) for 3 changes, 2 minutes each. Wash in running water for 5 minutes.
- 5. Stain for a few seconds in **Fast Green Solution**, 0.01% (L-774-4).
- 6. Dehydate in 95% alcohol, absolute alcohol, and clear in xylene, two changes each.
- 7. Mount with <u>**Permount**</u> (M-18)

Cells:

Nuclear chromatin	Deep red-purple
Cytoplasm	Light green
The chromatin of plasmodia,	Pale red
sarcosporidia toxoplasmata	
and histoplasmata	

NOTE: If the fast Green is too intense, it may be removed promptly in water, it does not wash out in alcohol.

References:

Lillie, R.D., <u>Histopathologic Technic and Practical Histochemistry</u>, 3rd ed, McGraw-Hill, NY, pp149-150, 1965 Luna, L.G., (ed.), Manual of Histologic Staining Methods of the AFIP, 3rd ed. McGraw-

Hill, NY, p 131, c1968.