

## Taft's Method for Nucleic Acids

**Catalog #:** 26777-Series

### Fixation:

Carnoy's (#64130-05) or absolute alcohol.

### Sections:

Paraffin @ 4 Microns.

### Staining Procedures:

1. Deparaffinize and hydrate to distilled water.
2. Immerse in the Methylene Green-Pyronin Stain (#26777-01) for 10 minutes. The stain may be filtered before use.
3. Rinse in distilled water, twice briefly.
4. Carefully blot dry with several thicknesses of smooth filter paper.
5. Place in the Differentiating Solution (#26777-02) for 1 – 2 minutes, then hydrate again in a fresh change of the solution. If the slides are left up to 4 – 5 minutes in the second t-butyl alcohol solution, additional differentiation should not take place.
6. Clear in Xylene, 2 changes, 10 minutes each. Mount in Permount (#17986-01)

### Stain Results:

DNA, Deoxyribonucleic Acid	Blue Green
RNA, Ribonucleic Acid	Bright Red

### References:

Taft, E.B. Stain Tech., 26:205-212, 1951.

### Microwave Procedures:

1. Deparaffinize and hydrate to distilled water.
2. Place slide in 40 ml filtered Methyl Green-Pyronin (#26777-01). Solution in a glass coplin jar; cover with a loose plastic cap. Heat in microwave oven for 15 seconds.
3. Rinse in distilled water and blot with filter paper.
4. Differentiate the damp section in Differentiating Solution (#26777-02), 2 changes, 2-3 dips.
5. Clear in Xylene, 2 changes and mount.

### Staining Results:

Chromotin DNA	Blue Green
RMA	Red Rose
Other Elements	Pale Pink