

## **M-801 PAPANICOLAOU STAIN FOR MEMBRANE FILTERS**

**FIXATION:** 95% Ethyl Alcohol

**STAINING:**

1. Fixation in 95% ethyl alcohol for 15 minutes.
2. Two changes of distilled water, 20 dips each.
3. Stain in **Gill's Hematoxylin No. 1** (M-801-1) for 2-3 minutes.
4. Wash in two changes of distilled water until the excess stain is removed from the filter.
5. Place in **Hydrochloric Acid 0.05%** (M-801 -2) for 45 seconds or until the filter turns yellow.
6. Wash in two changes of distilled water, 20 dips each.
7. **Scott's Tap Water Substitute** (M-801 -3) for 1 minute.
8. Wash in two changes of distilled water, 20 dips each.
9. Two changes of 95% ethyl alcohol, 10 dips each.
10. Counterstain in **Modified OG-6 Staining Solution** (M-801 -4) for 2 to 3 minutes.
11. Two changes 95% ethyl alcohol, 1 minute each.
12. Counterstain further in **Modified EA Staining Solution** (M-801 -5) for 2 to 3 minutes.
13. Dehydrate in 2 changes each of 95% ethyl alcohol and absolute ethyl alcohol. Clear in 2 changes of Xylene.
14. Soak filter in Permout (M-18) for 15 minutes and mount in Permout.

**RESULTS:**

Nuclei

Deep Blue to Purple

**REFERENCES:**

Gill, G.W., Acta Cytol., 18:300-311, 1974  
Diagnostic Cytology by Membrane Filter, Application Bulletin 100,  
Gelman Instrument Co., Ann Arbor, Michigan, 1978.