

## **F-400 AYOUB-SHKLAR METHOD FOR KERATIN & PREKERATIN**

**FIXATION:** Buffered Neutral Formalin, 10% (F—113)

**SECTIONS:** Paraffin @ 6 microns

**STAINING:**

1. Deparaffinize and hydrate to distilled water.
2. Acid Fuchsin Solution (F-400-1) for 3 minutes.
3. Transfer slides directly to Aniline Blue-Orange G Solution (F-400-2) for 45 minutes.
4. Transfer slides directly to 95% alcohol for three changes.
5. Dehydrate with absolute alcohol and clear in Xylene (C-120), two changes each.
6. Mount with Permount (M-18).

**STAINING RESULTS:**

|                                |               |
|--------------------------------|---------------|
| Keratin                        | Brilliant Red |
| Stratified squamous epithelium | Gray          |
| Stratum spinosum, upper area   |               |
| Illustrating prekeratin-like   |               |
| Substances                     | Orange        |
| Connective Tissue              | Deep Blue     |
| Erythrocytes                   | Deep Red      |

**REFERENCES:**

AFIP Manual of Histological Staining Methods, 3rd ed., Ed. L. Luna:  
New York: McGraw Hill Publications, c. 1968, p. 82.

Ayoub, P. and Shklar, G., J. Oral Surg., 16:580-581, 1963.