

## G-461, WILSON-EZRIN METHOD FOR PITUITARY

**FIXATION:** **Formal-Saline Solution, 10%** (F-116)

**SECTION:** Paraffin, 6 microns

### **STAINING PROCEDURE:**

1. Deparaffinize and hydrate to distilled water.
2. **Periodic Acid, 1%** (G-461-1) for 5 minutes. Rinse in distilled water.
3. **Schiff's Reagent** (G-461-2) for 15 minutes.
4. Rinse in **Sulfurous Acid Solution** (G-461-3), three changes, three minutes each. Wash in running water for ten minutes.
5. Stain in **Orange G Solution** (G-461-4) for 1 minute.
6. **Phosphotungstic Acid, 5%** (G-461-5) for 30 seconds. Wash in running water for 30 seconds.
7. **Methyl Blue Solution** (G-461-6) for 1 minute. Wash out excess Methyl Blue in water.
8. Dehydrate in 95% alcohol, absolute alcohol, clear in xylene, two changes each.
9. Mount with **Permount** (M-18).

### **RESULTS:**

|                |        |
|----------------|--------|
| Beta granules  | Red    |
| Gamma granules | Purple |
| Acidophils     | Yellow |

### **REFERENCES:**

- AFIP, Manual of Histological Staining Method, 3<sup>rd</sup> Ed., Ed. L. Luna:  
New York: McGraw Hill Publications, c. 1968, p. 113.  
Wilson, W.D. and Ezrin, E., Amer. J. Path., 30:891-899, 1954.

