



## MASTERTECH H&E STAIN PROCEDURE FOR FROZEN TISSUE SECTIONS

*(Revised 02/20/18)*

**PRINCIPLE:** This procedure stains cell nuclei and cytoplasm.

**SPECIMEN:** Frozen tissue cut at 8 to 12 microns.

**QUALITY CONTROL:** American MasterTech Scientific Recommended Control Slide: Not Applicable

### **PROCEDURE:**

1. Place tissue section on slide and allow to dry 30 to 60 seconds.
2. Place slide in Absolute Reagent Alcohol for 30 to 60 seconds to fix tissue.
3. Rinse slide carefully in a coplin jar of Tap water.
4. Place slide in **MasterTech Modified Mayer's Hematoxylin** for 1 to 2 minutes.
5. Rinse slide carefully in 2 changes of Tap water.
6. Rinse slide carefully in Absolute Reagent Alcohol.
7. Place slide in **MasterTech 1% Alcoholic Eosin Y** or **Eosin Y / Phloxine B** for 15 to 30 seconds.
8. Rinse slide carefully through 2 changes of Absolute Reagent Alcohol.
9. Clear slide through Xylene or Xylene Substitute.
10. Coverslip using **MasterTech ClearMount™**, **CoverSafe™** or **MicroMount™** mounting medium.

### **RESULTS:**

Nuclei: **Blue**  
Cytoplasm: **Pink**

**REFERENCE:** Sheehan DC, Hrapchak BB: Theory and Practice of Histotechnology; 1980, pg 144.

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