1% TOLUIDINE BLUE O STAIN PROCEDURE

Item# STTBO

(Revised 04/28/11)

**PRINCIPLE:** This stain demonstrates orthochromatic and metachromatic cells and tissues.

**SPECIMEN:** Any well fixed paraffin embedded tissue cut at 4 to 5 microns.

**QUALITY CONTROL:** American MasterTech Recommended Control Slides:
Helicobacter Pylori, CSH0125P; Mast Cell, CSM0125P

**PROCEDURE NOTE:** **DO NOT** dehydrate 1% Toluidine Blue O stained sections in alcohol; alcohol will remove the stain.

**PROCEDURE:**

1. Deparaffinize slide using Xylene or a Xylene Substitute and hydrate through alcohols.
2. Rinse slide in Distilled water.
3. Place slide in **1% Toluidine Blue O Stain** for 1 or 2 minutes.
4. Rinse slide in Distilled water.
5. Coverslip using an aqueous mounting media or allow section to air dry, dip slide in fresh Xylene or Xylene Substitute and coverslip using a permanent mounting media.
6. Examine section immediately.

**RESULTS:**

- **Nuclei:** BLUE
- **Cytoplasm:** PINK
- **Other Tissue:** METACHROMATIC

**REFERENCE:** Sheehan DC Hrapchak BB: Theory and Practice of Histotechnology; 1980, 149.