

DESCRIPTION

A simple procedure for the staining of mast cell granules. Mast cells are widely distributed in the connective tissue. Their cytoplasm contains granules composed of heparin and histamine. These granules are metachromatic. Mast cells should stain red-purple (metachromatic staining) and the background stain blue.

STORAGE CONDITIONS

Store at controlled room temperature (15-30°C). Keep bottle tightly closed when not in use. Do not use after expiration date specified on bottle label. Indication of deterioration: Excessive precipitation in reagent is an indication of degradation.

SPECIMEN COLLECTION AND PREPARATION

Collect formalin fixed, paraffin embedded, 4 micron specimens. Deparaffinize and hydrate to distilled water.

PROCEDURE

Materials Provided:

Toluidine Blue 1%

Materials Not Provided:

- Control Slides
- Staining Rack
- Microscope Slides
- Immersion Oil

TECHNIQUE

1. Set-up a staining rack over a sink.
2. Prepare slides as instructed under Specimen Collection.
3. Flood each specimen slide with ~1 mL or an adequate volume of the stain solution for a minimum of 4 minutes.
4. Rinse with distilled water.
5. Dehydrate as normal procedure calls, clear with xylene or a substitute and coverslip with a compatible mounting medium.

NOTE: Staining intensity is subjective and may be varied by increasing or decreasing the staining time accordingly.

Specimen	Mast Cell Granules	Nucleus	Acid Mucopolysaccharides	Erythrocytes
Tissue Section	brilliant red to purple	shades of blue	red to pink	green to yellow

PRECAUTIONS

Normal laboratory care.

DANGER – Poison May Be Fatal or Cause Blindness if Swallowed. Vapor is Harmful and Will Cause Eye Irritation. Do not breathe vapor. Avoid contact with eyes, skin, or clothing. Keep container closed. Wash thoroughly after handling.

First Aid: If swallowed, call a physician immediately. In case of contact with eyes, immediately flush with water for 15 minutes and notify a physician. Wash exposed areas thoroughly after handling.

All products are warranted to perform as described in their labeling and corresponding literature. All other warranties expressed or implied, including the warranty of merchantability and fitness for use are excluded. In no event shall Astral Diagnostics, Inc. be liable for any indirect or consequential damages.

ORDERING INFORMATION

Cat. #	Description	Sizes
6054	Toluidine Blue 1%	4oz, 16oz

Order today at AstralDiagnostics.com