MODIFIED SUDAN BLACK B HISTOCHEMICAL STAIN KIT PROCEDURE

Item# KTSBBPT

(Revised 07/18/13)

KIT COMPONENTS

<table>
<thead>
<tr>
<th>1 PINT</th>
<th>EXCELL PLUS™ FIXATIVE</th>
<th>1 PINT</th>
<th>MODIFIED SUDAN BLACK B STAIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 PINTS</td>
<td>70% REAGENT ALCOHOL</td>
<td>1 PINT</td>
<td>MODIFIED MAYER’S HEMATOXYLIN</td>
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</tbody>
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INCLUDED:

**PRINCIPLE:** This kit demonstrates leukocyte lipid granules in bone marrow smears and bone cores.

**SPECIMEN:** Use fresh bone marrow smears or paraffin sections of bone cores.

**QUALITY CONTROL:** American MasterTech Recommended Control Slide:
Bone Marrow, CSB0325P

**PROCEDURE NOTE:** Filter MODIFIED SUDAN BLACK B STAIN if necessary.

**PROCEDURE:**

1. Deparaffinize slide in Xylene or Xylene Substitute and hydrate through alcohols.
2. Rinse slide thoroughly in Distilled water.
3. Place smear or section in EXCELL PLUS™ FIXATIVE for 2 minutes.
4. Place slide in MODIFIED SUDAN BLACK B STAIN for 5 minutes.
5. Rinse slide through two changes of 70% REAGENT ALCOHOL until stain no longer runs off the tissue.
6. Rinse slide through 2 changes of Distilled water.
7. Place slide in MODIFIED MAYER’S HEMATOXYLIN for 1 minute.
8. Rinse slide through 2 changes of Tap water until section is blue.
9. Air dry slide.
10. Dip slide in fresh Xylene or Xylene Substitute.
11. Coverslip using a permanent mounting media.

**RESULTS:**

Neutrophils: BLUE to BLACK intracellular granulation
Nuclei: BLUE

**REFERENCE:** Sheehan HL Storey GW: An Improved method of staining leukocyte granules with Sudan Black B; B J Pathol Bacteriol; 59: 1947, 336.