

**B-160 NEW METHYLENE BLUE
RETICULOCYTES**

Fixation: None

Section: See technique directions.

PROCEDURE:

1. Either mix 0.5 ml capillary blood and 0.5 ml **New Methylene Blue Staining Solution** (B-160-1) in a leucocyte diluting pipet by drawing them up in above order, or mix equal volumes of the same on a clean slide and the draw into a capillary pipet.
2. Mix the blood and stain reagent in the bulb of the diluting pipet when the first technique is used. Incubate at RT 10-15 minutes.
3. Place small drop of the mixture on a sterile slide, smear as usual.
4. Examine under a microscope using the oil immersion lens. There is no fixation or counterstain required for this technique.

Stain Results:

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|------------|--------------------------|
| Green-Blue | Red Blood Cells (RBC) |
| Deep Blue | Reticulum (Sharp Detail) |

References:

Brecher, G: "New Methylene Blue as a Reticulocyte Stain," Am.J. Clin. Pathol. 19: 895 (1949).

-----, New Methylene Blue in Staining Procedures. 3rd. ed., ed. G. Clark, William & Wilkins Co., c. 1973, p. 129.