

B-159 BRILLIANT CRESYL BLUE FOR COUNTING RETICULOCYTES

Fixation: None

Staining:

1. Prepare the working stain by adding a small quantity of **Brilliant Cresyl Blue Stock (B-159-1)** to 80-180 times its volume of **Sodium Chloride Solution (B-159-2)**. The exact dilution is determined by trial in the staining technique.
2. Mix 1 volume of blood to 20 volume of working stain in a pipette for counting white cells.
3. Shake the mixture in the pipette for 5 minutes, and place in a blood counting chamber.
4. Count at once in fresh preparations which are sealed with Vaseline to prevent disturbances due to drying. At least 1000 cells are counted for each test.

Stain Results:

Reticulum	Blue
Rest of Corpuscle	Unstained
Nuclei of leucocytes	Blue

References:

- Clark, D. (Editor), Staining Procedures, Williams & Wilkins Co., Baltimore, 3rd ed. C1973, p. 129.
- Conn, H.J. Biological Stains, Biotech Publications, Geneva, N.Y., 4th ed., 1940
Robertson, O.H.
- J. Exper. Med., 26:221-37, 1917.