## WBC CORRECTIONS FOR NUCLEATED RED BLOOD CELLS

#### PRINCIPLE

If nucleated Red Blood Cells are present, the White Blood Cell Count has to be corrected because Red Blood Cells cannot be distinguished from leukocytes.

#### PROCEDURE

The number of nucleated Red Blood Cells is obtained from the differential Count. White counts with nucleated RBC's in excess of 5/100 should be routinely corrected.

# MANUAL CALCULATION

Corrected WBC Count = Counted WBC's x 100 100 + Number of Nucleated RBC's/100 WBC

# Controlled Documents

The following controlled documents support this procedure.

### Reference

- 1. Koepke, John. Practical Laboratory Hematology. Churchill Livingstone Inc. 1991. p. 24-25, 36-39.
- 2. Cornbleet J., Spurious results from automated hematology cell counters. Lab Medicine. 1983;8:509-514.
- 3. Stewart, Charles and Koepke, John. *Basic Quality Assurance Practices for Clinical Laboratories*, Van Nostrand Reinhold, 1989, p 189.

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## **Document History Page**

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