

ABSOLUTE NEUTROPHIL COUNT

POLICY The absolute Neutrophil count is used to monitor chemotherapy patients and for patients receiving Colony Stimulating Factors.

CALCULATION OF COUNT The ANC or absolute neutrophil count is calculated by this formula:

$$\frac{(\% \text{ Segs} + \% \text{ Bands}) \times \text{WBC}}{100} = \text{ANC}$$

This calculation is done on the interfaced hematology instrument. It is also calculated in LIS system when a manual differential is performed.

Controlled Documents The following controlled documents support this policy.

References
Technical Hematology_Arthur Simmons, 2nd edition, J.B. Lippencott Company, Philadelphia. p.103.
Laboratory Medicine Hematology, John B. Miale, 6th edition, O.V. Mosby Company, St. Louis. p.475, 869.
American Journal of Clinical Pathology, Committee for Clarification of the nomenclature of Cells and Diseases of the Blood and Blood Forming Organs: second report, 56:19 (1949).
Technical Improvement Service, "What is a Band", Thomas F. Deutcher, MD., Commission on Continuing Education of the Society of Clinical Pathologists, No. 15 (1973) pg. 10-19.

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Document History Page

Change type: New, Major, Minor etc.	Changes Made to SOP – describe	Name of responsible person/date	Med. Dir. Reviewed/ Date	Director of Lab Ops. reviewed/ date	Date change Implemented
MINOR	1. Regional Template Update 2. Revised index no.	Yvette Lingat 3/20/2020		Mary Lou Beaumont	4/28/2020