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

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| CALCULATION OF COUNT | The ANC or absolute neutrophil count is calculated by this formula:  (% Segs + % Bands) X WBC = ANC  100  This calculation is done on the interfaced hematology instrument. It is also calculated in LIS system when a manual differential is performed. |

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| 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. |

Document History Page

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| 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 |
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