

## Eosinophil Count (XN Series)

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**Principle** Eosinophil counts are calculated from the automated CBC result utilizing the white blood count and eosinophil percentage.

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**Safety** All specimens, reagents and controls should be handled as though capable of transmitting infectious diseases. Wear appropriate personal protective equipment when running patient samples or performing scheduled maintenance. Refer to: Policy and Procedures Safety Manual Infection Control and Procedures 11-085-01.

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**Specimen** Whole blood should be collected in EDTA-2K or EDTA-3K anticoagulant.

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**Procedure**

Step	Action
1.	Perform Automated CBC per procedure.
2.	Multiply the WBC count X Eosinophil percentage. Then multiply the result by 1000 to convert to cumm.
3.	Write your results in the manual hematology log under Eosinophil count.
4.	Results are manually entered in Cerner under the Accession Result Entry (ARE) mode. For detailed instructions of entering results, please refer to Laboratory Informatics – Cerner Genlab Policies & Procedures Manual, “ <i>Resulting in Cerner GenLab: Manual Entry</i> ” LIS.SCPMG.041 document.

For example, if you have a WBC of  $6.0 \times 10^3$  and an Eosinophil result of 3% then you would calculate as follows:

WBC (6.0) x Eosinophil percent (.03) = 0.18.

Multiply this result by 1000 to convert the result to 180 cumm.

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**Reference Range** 150-300 cumm

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