# **Eosinophil Count (XN Series)**

#### **Principle**

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

#### 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.

#### Specimen

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

#### **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, "Resulting in Cerner GenLab: Manual Entry" LIS.SCPMG.041 document.				

For example, if you have a WBC of 6.0 x 10<sup>3</sup> 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.

### Reference Range

150-300 cumm

Kaiser Permanente Medical Care Program California Division – South SCPMG Laboratory Systems OCI Hematology Department Procedures

## **Document History Page**

Change type: New, Major, Minor etc.	Changes Made to SOP – describe	Name of responsible person/date	Med. Dir. Reviewed/ Date	Lab Manager reviewed/ date	Date change Implemented
Minor	Updated format and revised index number.	Julius Salomon, 7/1/17			