## **Nasal Smear for Eosinophils**

#### **Principle**

Nasal smear is stained with Wright Stain and observed microscopically for the presence of eosinophils. Allergic and atopic conditions such as bronchial asthma and seasonal rhinitis (hay fever) are characterized by eosinophilia.

### 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.

# Materials and Reagents

Microscope Cover Slip Glass Slides Hematek Slide Stainer Hematek Stain Pak

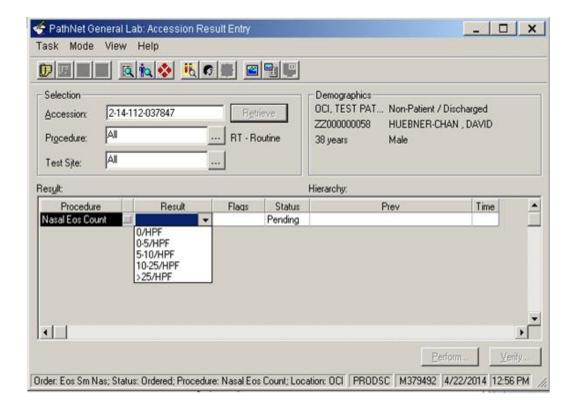
### Specimen

Nasal swab/smear.

#### **Procedure**

Step	Action					
1	Lab Assistant prepares the smear and labels the slide with patient's first and last name and date then gives it to the CLS.					
2	Stain slide with Wright Stain on Hematek slide stainer.					
3	Examine for the presence of eosinophils under oil immersion.					
4	View the slide under oil immersion lens (100X) and report any eosinophils seen as follows:					
	a) 0/HPF = NONE SEEN					
	b) 0-5/HPF = 0-5 cells/oil immersion field					
	c) 5-10/HPF = 5-10 cells/oil immersion field					
	d) 10-25/HPF = 10-25 cells/oil immersion field					
	e) >25/HPF = >25 cells/oil immersion field					
	See attached Cerner screenshot					
	NOTE: Cell and parasite identification can be difficult. If you have any doubt of the correct identification, you may consult your coworker, supervisor or pathologist for assistance.					

## Procedure, continued



# Result Reporting

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.

## Reference Range

None seen

#### Reference

John Bernhard Henry, M.D. Clinical Diagnosis & Management by Laboratory Methods, 18<sup>th</sup> Edition.

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			