

**Reporting Title:** Morphology Eval (special smear)**Performing Location:** Rochester**Necessary Information:**

Clinician should provide indication for performing test.

**Specimen Requirements:**

Collection Container/Tube: 2 slides

Specimen Volume: 2 unstained, well prepared peripheral blood smears

Collection Instructions: Smears made from blood obtained by either a lavender top (EDTA) tube or finger stick specimen

**Specimen Minimum Volume:**

See Specimen Required

Specimen Type	Temperature	Time	Special Container
Whole blood	Ambient (preferred)		CARTRIDGE
	Refrigerated		CARTRIDGE

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
SEGBA	Neutrophilic Segs and Bands	Numeric	%	23761-0
LYMPH	Lymphocytes <b>Also used by tests: MDIF</b>	Numeric	%	26478-8
MONOC	Monocytes <b>Also used by tests: MDIF</b>	Numeric	%	26485-3
EOS	Eosinophils <b>Also used by tests: MDIF</b>	Numeric	%	714-6
BASO	Basophils <b>Also used by tests: MDIF</b>	Numeric	%	707-0
META	Metamyelocytes <b>Also used by tests: MDIF</b>	Numeric	%	740-1

Result ID	Reporting Name	Type	Unit	LOINC®
MYEL	Myelocytes <b>Also used by tests: MDIF</b>	Numeric	%	749-2
PROMY	Promyelocytes <b>Also used by tests: MDIF</b>	Numeric	%	783-1
UBLS	Blasts <b>Also used by tests: MDIF</b>	Numeric	%	709-6
PLSM	Plasma Cells	Numeric	%	79426-3
M_KR	Megakaryocytes	Numeric	/100 WBC	19252-6
NUCL	Nucleated RBC	Numeric	/100 WBC	19048-8
FRAGC	Fragile Cells	Alphanumeric		34992-8
BL_PR	Blasts and Promonocytes	Numeric	%	709-6
MANC	Manual Absolute Neutrophil Count	Numeric	x10(9)/L	753-4
INT01	Interpretation	Alphanumeric		59466-3
REV96	Reviewed by:	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

## Supplemental Report:

No

## Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
DIFFS	Morphology Eval (Special Smear)			Yes	No
SPSM_	Special Smear			Yes	No

## CPT Code Information:

85007  
85060-(if appropriate)  
85027-(if appropriate)  
88184-(If appropriate)  
88185-(If appropriate)  
88187-(if appropriate)  
88188-(if appropriate)  
88189-(if appropriate)

## Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PINTP	Peripheral Smear Interpretation			No	No
PBPC	Peripheral Blood			Yes	No (Bill Only)
CBCN	CBC without Differential			No	Yes
DIFFR	Morphology Eval (special Smear)			No	No
LCMSB	Leukemia/Lymphoma Phenotype			No	Yes
FCINT	Flow Cytometry Interp, 2-8 Markers			No	No (Bill Only)
FCIMS	Flow Cytometry Interp, 9-15 Markers			No	No (Bill Only)
FCINS	Flow Cytometry Interp, 16 or greater			No	No (Bill Only)
FIRST	Flow Cytometry, Cell Surface, First			Yes	No (Bill Only)
ADD1	Flow Cytometry, Cell Surface, Addl			Yes	No (Bill Only)
CEE49	CD49d Cell Expression Evaluation, V			No	Yes

## Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
PINTP	71447	Interpretation	Alphanumeric		14869-2
PINTP	71442	Participated in the Interpretation	Alphanumeric		No LOINC Needed
PINTP	71443	Report electronically signed by	Alphanumeric		19139-5
PINTP	71832	Case Number	Alphanumeric		80398-1
CBCN	HGB	Hemoglobin	Numeric	g/dL	718-7
CBCN	HCT	Hematocrit	Numeric	%	4544-3
CBCN	RBC	Erythrocytes	Numeric	x10(12)/L	789-8
CBCN	MCV	MCV	Numeric	fL	787-2
CBCN	RDW	RDW	Numeric	%	788-0

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
CBCN	PLTC	Platelet Count	Numeric	x10(9)/L	777-3
CBCN	WBC	Leukocytes	Numeric	x10(9)/L	6690-2
CEE49	CK162	CEE49 Result	Alphanumeric		No LOINC Needed
CEE49	CK163	Final Diagnosis	Alphanumeric		22637-3

## Reference Values:

### 1-3 years

Neutrophils/bands: 22-51%  
 Lymphocytes: 37-73%  
 Monocytes: 2-11%  
 Eosinophils: 1-4%  
 Basophils: 0-2%  
 Metamyelocytes: 0%  
 Myelocytes: 0%

### 4-7 years

Neutrophils/bands: 30-65%  
 Lymphocytes: 29-65%  
 Monocytes: 2-11%  
 Eosinophils: 1-4%  
 Basophils: 0-2%  
 Metamyelocytes: 0%  
 Myelocytes: 0%

### 8-13 years

Neutrophils/bands: 35-70%  
 Lymphocytes: 23-53%  
 Monocytes: 2-11%  
 Eosinophils: 1-4%  
 Basophils: 0-2%  
 Metamyelocytes: 0%  
 Myelocytes: 0%

### Adults

Neutrophils/bands: 50-75%  
 Lymphocytes: 18-42%  
 Monocytes: 2-11%  
 Eosinophils: 1-3%  
 Basophils: 0-2%  
 Metamyelocytes: <1%  
 Myelocytes: <0.5%

An interpretive report will be provided.