

LAB334 WBC Differential (Automated)

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FCC



Important Note

This test can be added on to a previously run GHGB if specimen meets the CBCA/CBC criteria.
This test can NOT be added on to a previously run BNP.

Performing Location(s)

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FCC

Specimen Type

Whole Blood

Preferred Container

Lavender Top

Minimum Volume to Submit for Testing

3.0 mL whole blood

Transportation Needs

Deliver to the laboratory within 12 hours

Storage Requirements

Refrigerate up to 24 hours Do NOT freeze

Causes for Rejection

Mislabeled or unlabeled specimens
Less than 50% draw for vacutainer tubes
Clotted specimens
Macroscopic clot detected with wooden sticks
Fibrin strands with platelet involvement on peripheral smear
Less than 250µL of sample for microtainer tubes
Collection in 6.0 mL pink or purple top vacutainer
Collection in any anticoagulant other than K2EDTA
> 24 hours refrigerated for CBC and/or differential
> 12 hours at room temp
> 24 hours refrigerated for reticulocytes
Samples drawn above an IV line
Contaminated line draws

Reference Values

Parameter	Population	% Count	Absolute Count
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Neutrophils: Segmented	Newborn - 1 months old	32.0 - 62.0	1600 - 6115
	1 month - 5 months old	15.0 - 35.0	750 - 3452
	5 month - 2 years old	13.0 - 33.0	650 - 3255
	2 years - 6 years old	15.0 - 35.0	750 - 3452
	6 years - 12 years old	32.0 - 54.0	1600 - 5326
	General (> 12 years old)	40 .0- 70.0	1500 - 7400
Neutrophils: Band	Newborn - 1 months old	10.0 - 18.0	
	1 month - 5 months old	7.0 - 13.0	
	5 month - 2 years old	6.0 - 12.0	
	2 years - 12 years old	5.0 - 11.0	
	General (> 12 years old)	0.0 - 8.0	
Lymphs: Normal	Newborn - 1 months old	26.0 - 36.0	1235 - 2864
	1 month - 5 months old	41.0 - 71.0	1948 - 5648
	5 month - 2 years old	46.0 - 76.0	2185 - 6045
	2 years - 6 years old	44.0 - 74.0	2090 - 5886
	6 years - 12 years old	27.0 - 57.0	1283 - 4534
	General (> 12 years old)	12.0 - 50.0	950 - 3500
Lymphs: Reactive	All Populations	0.0-6.0	
Monocytes	Newborn - 1 month old	1.0 - 11.0	75 - 862
	1 month - 5 months old	2.0 - 12.0	150 - 940
	5 months - 12 years old	0.0 - 10.0	0 - 783
	General (> 12 years old)	2.0 - 14.0	150 - 940
Eosinophils	Newborn - 12 years old	0.0 - 7.0	0 - 642
	General (> 12 years old)	0.0 - 6.0	0 - 550
Basophils	All Populations	0.0 - 3.0	0 - 175
Immature Granulocytes	All Populations	0.0 - 3.0	0 - 150
Blasts	All Populations	0.0	0.0
Nucleated RBC's	All Populations	0.0	0.0

Additional Information

The “DIFF” code should only be used to order a manual WBC differential without a Heme Profile – CPT’s: 85004 and 85048 will be billed

If a manual differential is desired on the same specimen that has a Heme profile, “CBCM” should be hand written on the order Form. This test code is usually restricted to oncology patients and not available at all sites. - CPT: 85023 will be billed

If a manual differential is desired only when the specimen’s results fail the algorithm specifically designed to screen for abnormal cells, the appropriate order is for a Heme Profile w/ Automated Differential (CBCA).

See entry for Heme Profile w/ Automated Differential for billing information

Available STAT

Yes

Methodology

Automated; flow cytometry

CPT Code

See Additional Information for CPT codes billed