



**UNIVERSITY OF COLORADO  
HOSPITAL**

ANSCHUTZ MEDICAL CAMPUS

**Test Update  
Revised Reference Range & New Tests**

**Complete Blood Count (CBC)**

Effective Tuesday, August, 18, 2009, the University of Colorado Hospital Clinical Laboratory has revised the CBC reference ranges of the components listed below to reflect the sensitivity of the method. In addition, the CBC panel will report four new components.

Test	Cerner Mnemonic	Age	Male		Female	
			Lower	Upper	Lower	Upper
<b>Hematocrit</b>	HCT	18-150y	39.2	50.2	35.7	46.7
<b>Mean Corpuscular Hemoglobin</b>	MCH	18-150y	26.6	32.5	26.6	32.5
<b>Red Cell Distribution Width Coefficient of Variation</b>	RDWCV	0-150y	11.7	14.2	11.7	14.2
<b>Mean Platelet Volume</b>	MPV	0-150y	9.6	12.8	9.6	12.8
<b>Reticulocyte Absolute Count</b>	RET#	0-150y	0.02	0.10	0.02	0.10
<b>Red Cell Distribution Width Standard Deviation (new component)</b>	RDWSD	0-150y	35.1	46.3	35.1	46.3
<b>Immature Granulocyte Percent (new component)</b>	IG%	0-150y	0	0.4	0	0.4
<b>Immature Granulocyte Absolute (new component)</b>	IG#	0-150y	0	0.03	0	0.03
<b>Immature Reticulocyte Fraction (new component)</b>	IRF	6d-150y	2.3	15.9	2.3	15.9

Red Cell Distribution Width Standard Deviation (RDWSD) is an actual reflection of the width of the red cell volume distribution curve and is not influenced by the MCV as is the RDWCV. It more accurately reflects the red cell size variance.

Immature Granulocyte Percentage and Absolute counts are measured components of the automated differential and represent Metamyelocytes, Myelocytes, and Promyelocytes.

Immature Reticulocyte Fraction measures the percentage of young or immature reticulocytes (those with a high RNA content) in the total reticulocyte population. This is an early indicator of erythroid recovery.

Please call Lorne Holland, MD., at 720-848-7050 if you have any questions or visit our website at <http://www.uch.edu/for-healthcare-professional/Clinical-Laboratory/index.aspx> for additional information.

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**Clinical Laboratory  
Medical Director Ronald B. Lepoff, MD**