

HEMATOLOGY REFERENCE RANGES

	AGE	FEMALE	FEMALE	MALE	MALE	UNITS	PANIC LO	PANIC HI
	from → up to	RANGE	RANGE	RANGE	RANGE			
	but NOT including		NEW		NEW			
		CURRENT		CURRENT				
<b>CBC TEST</b>			<b>CHANGES</b>		<b>CHANGES</b>			
WBC	0-4D	9.0 - 38.0		9.0 - 38.0		THOU/ $\mu$ L		150
	4D - 15D	5.0 - 21.0		5.0 - 21.0		THOU/ $\mu$ L		150
	15D - 29D	5.0 - 20.0		5.0 - 20.0		THOU/ $\mu$ L		150
	29D - 2 M	5.0 - 19.5		5.0 - 19.5		THOU/ $\mu$ L		150
	2M - 6M	6.0 - 17.5		6.0 - 17.5		THOU/ $\mu$ L		150
	6M - 2Y	6.0 - 17.0		6.0 - 17.0		THOU/ $\mu$ L		150
	2Y - 6Y	5.0 - 17.0		5.0 - 17.0		THOU/ $\mu$ L		150
	6Y - 12Y	4.8 - 14.5		4.8 - 14.5		THOU/ $\mu$ L		150
	$\geq$ 12Y	4.8 - 10.8	<b>4.0 - 10.0</b>	4.8 - 10.8	<b>4.2 - 9.1</b>	THOU/ $\mu$ L		150
RBC	0-4D	4.0 - 6.6		4.0 - 6.6		MIL/ $\mu$ L		
	4D - 8D	3.9 - 6.3		3.9 - 6.3		MIL/ $\mu$ L		
	8D - 15D	3.9 - 5.9		3.9 - 5.9		MIL/ $\mu$ L		
	15D - 29D	3.3 - 5.3		3.3 - 5.3		MIL/ $\mu$ L		
	29D - 4 M	3.1 - 4.3		3.1 - 4.3		MIL/ $\mu$ L		
	4M - 6M	3.9 - 5.5		3.9 - 5.5		MIL/ $\mu$ L		
	6M - 2Y	3.7 - 5.3		3.7 - 5.3		MIL/ $\mu$ L		
	2Y - 6Y	3.9 - 5.3		3.9 - 5.3		MIL/ $\mu$ L		
	6Y - 12Y	4.0 - 5.2		4.0 - 5.2		MIL/ $\mu$ L		
	$\geq$ 12Y	4.2 - 5.4	<b>3.9 - 5.2</b>	4.6 - 6.2	<b>4.6 - 6.1</b>	MIL/ $\mu$ L		
HEMOGLOBIN	0-3D	14.5 - 22.5		14.5 - 22.5		g/dL		
	3D - 7D	13.5 - 21.5		13.5 - 21.5		g/dL		
	7D - 14D	13.4 - 19.8		13.4 - 19.8		g/dL		
	14D - 1M	10.7 - 17.1		10.7 - 17.1		g/dL		
	1M-2M	9.4 - 13.0		9.4 - 13.0		g/dL		
	2M - 4M	10.3 - 14.1		10.3 - 14.1		g/dL		
	4M - 2Y	11.0 - 14.0		11.0 - 14.0		g/dL		
	2Y - 6Y	11.5 - 14.0		11.5 - 14.0		g/dL		
	6Y - 12Y	11.5 - 15.5		11.5 - 15.5		g/dL		
	$\geq$ 12Y	12.0 - 16.0	<b>11.2 - 15.7</b>	14.0 - 17.5	<b>13.7 - 17.5</b>	g/dL		
HCT	0 - 4D	45 - 67		45 - 67		%	19	
includes spun HCT	4D - 8D	42 - 66		42 - 66		%	19	
	8D - 15D	41 - 65		41 - 65		%	19	
	15D - 29D	33 - 55		33 - 55		%	19	
	29D - 2M	28 - 42		28 - 42		%	19	
	2M - 4M	29 - 44		29 - 44		%	19	
	4M - 6M	30 - 40		30 - 40		%	19	
	6M - 2Y	33 - 40		33 - 40		%	19	
	2Y - 6Y	34 - 40		34 - 40		%	19	
	6Y - 12Y	35 - 45		35 - 45		%	19	
	$\geq$ 12Y	35 - 47	<b>34 - 45</b>	42 - 52	<b>40 - 51</b>	%	19	
MCV	0 - 4D	95 - 121		95 - 121		fL		
	4D - 8D	88 - 126		88 - 126		fL		
	8D - 15D	88 - 122		88 - 122		fL		
	15D - 29D	91 - 111		91 - 111		fL		
	29D - 2M	84 - 106		84 - 106		fL		
	2M - 4M	76 - 96		76 - 96		fL		
	4M - 6M	68 - 85		68 - 85		fL		
	6M - 2Y	71 - 84		71 - 84		fL		
	2Y - 6Y	76 - 87		76 - 87		fL		
	6Y - 12Y	77 - 95		77 - 95		fL		
	$\geq$ 12Y	80 - 96	<b>79 - 95</b>	80 - 96	<b>79 - 92</b>	fL		
RDW	ALL	10.6 - 13.3	<b>11.7 - 14.4</b>	10.6 - 13.3	<b>11.6 - 14.4</b>	%		
PLT	ALL	150 - 400	<b>182 - 369</b>	150 - 400	<b>163 - 337</b>	THOU/ $\mu$ L	19	

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	<b>AGE</b>	<b>FEMALE</b>	<b>FEMALE</b>	<b>MALE</b>	<b>MALE</b>	<b>UNITS</b>	<b>PANIC LO</b>	<b>PANIC HI</b>
	from $\longrightarrow$ up to	<b>RANGE</b>	<b>RANGE</b>	<b>RANGE</b>	<b>RANGE</b>			
	but NOT including		<b>NEW</b>		<b>NEW</b>			
		<b>CURRENT</b>		<b>CURRENT</b>				
<b>DIFF TEST</b>								
% SEG NEUTROPHILS	0-2D	45.0 - 65.0		45.0 - 65.0		%		
	2D - 2Y	20.0 - 40.0		20.0 - 40.0		%		
	2Y - 8Y	30.0 - 50.0		30.0 - 50.0		%		
	$\geq$ 7Y	38.0 - 83.0	<b>34.0 - 71.1</b>	38.0 - 83.0	<b>34.0 - 67.9</b>	%		
NEUTROPHIL #	0 - 4D	6.0 - 26.0		6.0 - 26.0		THOU/ $\mu$ L		
	4D - 15D	1.5 - 10.0		1.5 - 10.0		THOU/ $\mu$ L		
	15D - 29D	1.0 - 9.0		1.0 - 9.0		THOU/ $\mu$ L		
	29D - 6M	1.0 - 8.5		1.0 - 8.5		THOU/ $\mu$ L		
	6M - 2Y	1.5 - 8.5		1.5 - 8.5		THOU/ $\mu$ L		
	2Y - 12Y	1.5 - 8.0		1.5 - 8.0		THOU/ $\mu$ L		
	$\geq$ 12Y	1.5 - 7.7	<b>1.6 - 6.1</b>	1.8 - 7.8	<b>1.8 - 5.4</b>	THOU/ $\mu$ L		
% LYMPHOCYTES	0 - 2D	26.0 - 35.0		26.0 - 35.0		%		
	2D - 8D	26.0 - 45.0		26.0 - 45.0		%		
	8D - 2Y	40.0 - 55.0		40.0 - 55.0		%		
	2Y - 8Y	30.0 - 60.0		30.0 - 60.0		%		
	$\geq$ 12Y	5.0 - 47.0	<b>19.3 - 51.7</b>	5.0 - 47.0	<b>21.8 - 53.1</b>	%		
LYMPHOCYTE #	0-4D	2.0 - 11.0		9.0 - 38.0		THOU/ $\mu$ L		
	4D - 15D	2.0 - 17.0		5.0 - 21.0		THOU/ $\mu$ L		
	15D - 29D	2.5 - 16.5		5.0 - 20.0		THOU/ $\mu$ L		
	29D - 6M	4.0 - 13.5		5.0 - 19.5		THOU/ $\mu$ L		
	6M - 2Y	3.0 - 9.5		6.0 - 17.0		THOU/ $\mu$ L		
	2Y - 6Y	2.0 - 8.0		5.0 - 17.0		THOU/ $\mu$ L		
	6Y - 12Y	1.5 - 7.0		4.8 - 14.5		THOU/ $\mu$ L		
	$\geq$ 12Y	1.0 - 4.8	<b>1.2 - 3.7</b>	4.8 - 10.8	<b>1.3 - 3.6</b>	THOU/ $\mu$ L		
% MONOCYTES	ALL	0 - 13.0	<b>4.7 - 12.5</b>	0 - 13.0	<b>5.3 - 12.2</b>	%		
MONOCYTE #	0-4D	0.4 - 3.0		0.4 - 3.0		THOU/ $\mu$ L		
	4D - 15D	0.3 - 2.7		0.3 - 2.7		THOU/ $\mu$ L		
	15D - 29D	0.2 - 2.5		0.2 - 2.5		THOU/ $\mu$ L		
	29D - 6M	0.2 - 2.4		0.2 - 2.4		THOU/ $\mu$ L		
	6M - 2Y	0 - 1.1		0 - 1.1		THOU/ $\mu$ L		
	$\geq$ 2Y	0 - 0.8	<b>0.2 - 0.9</b>	0 - 0.8	<b>0.3 - 0.8</b>	THOU/ $\mu$ L		
% EOSINOPHILS	ALL	0 - 6.0	<b>0.7 - 5.8</b>	0 - 6.0	<b>0.8 - 7.0</b>	%		
EOSINOPHIL #	ALL	0 - 0.5	<b>0.0 - 0.4</b>	0 - 0.5	<b>0.0 - 0.5</b>	THOU/ $\mu$ L		
% BASOPHILS	ALL	0 - 2.0	<b>0.1 - 1.2</b>	0 - 2.0	<b>0.2 - 1.2</b>	%		
BASOPHIL #	ALL	0 - 0.2	<b>0.0 - 0.1</b>	0 - 0.2	<b>0.0 - 0.1</b>	THOU/ $\mu$ L		
NUCLEATED RBC	0 - 3D	0 - 5.0		0 - 5.0		per 100 WBC		
	4D - 7D	0 - 1.0		0 - 1.0		per 100 WBC		
	> 7D	0 - 0	<b>0.0 - 0.2</b>	0 - 0	<b>0.0 - 0.2</b>	per 100 WBC		
NUCLEATED RBC #	ALL	0 - 0		0 - 0		THOU/ $\mu$ L		
% RETICULOCYTE	0 - 4D	1.5 - 6		1.5 - 6		%		
	$\geq$ 4D	0.5 - 1.5	<b>0.5 - 1.7</b>	0.5 - 1.5	<b>0.5 - 1.8</b>	%		
RETICULOCYTE #	ALL	28.6 - 139.0	<b>16.4 - 77.6</b>	28.6 - 139.0	<b>26.0 - 95.0</b>	THOU/ $\mu$ L		