

Vanderbilt Medical Laboratories

Reference - Sysmex Complete Blood Count Reference Ranges

Test	Unit	Sex	Age	Ref Range	Test	Unit	Sex	Age	Ref Range
WBC	10 ³ /uL	B B B B B B	0-1 week 8-30 days 1 mo-6 yrs 7-11 yrs 12-17 yrs 18+ yrs	9.4-31.1 4.3-18.3 4.0-14.6 4.0-13.2 3.4-10.2 3.9-10.7	RDW SD	fl	B	All	37.4-52.4
RBC	10 ⁶ /uL	B B B B B F M	0-1 week 8-30 days 1 mo-6 yrs 7-11 yrs 12-17 yrs 18+ yrs 18+ yrs	4.40-5.80 3.80-5.50 3.80-5.50 3.80-5.50 3.80-5.50 4.00-5.50 4.50-6.00	RDW CV	%	B	All	11.1-14.3
HGB	g/dl	B B B B B B B F M	0-7 days 8-30 days 1-2 mo. 3-6 mo. 7 mo-6 yrs. 7-11 yrs. 12-17 yrs. 18+ yrs. 18+ yrs.	13.5-22.6 12.5-20.6 10.0-18.1 9.0-14.0 10.5-13.5 11.4-15.5 12.0-16.0 11.8-16.0 14.0-18.1	MPV	fl	B	0-7 days 8-30days 1mo-1yr 2-7yrs 8-12yrs 13-18yrs 18+yrs	10.2-12.0 10.0-12.2 8.7-11.0 9.2-11.4 9.6-11.8 9.3-12.8 9.3-12.8
HCT	%	B B B B B B B F M	0-7 days 8-30 days 1-2 mo 3-6 mo 7 mo-6 yrs 7-11 yrs 12-17 yrs 18+ yrs 18+ yrs	41-65 38-61 31-54 28-40 32-39 34-44 35-49 36-43 41-49	RET%	%	B	All	0.5-1.8
MCV	fl	B B B B B B B B B	0-7 days 8-30 days 1-2 mo 3-6 mo 7 mo-6 yrs 7-11 yrs 12-17 yrs 18+ yrs 18+ yrs	93-118 84-118 75-112 72-106 69-85 75-93 76-96 81-98	RET#	10 ⁶ /uL	B B B B	0-30 days 1 mo-2 yrs 3-17 yrs 18+ yrs	0.063-0.271 0.018-0.108 0.018-0.072 0.02-0.100
MCH	pg	B B B B B B B B B	0-7 days 8-30 days 1-2 mo 3-6 mo 7 mo-6 yrs 7-11 yrs 12-17 yrs 18+ yrs 18+ yrs	28.0-40.0 28.0-40.0 26.0-38.0 25.0-35.0 23.0-31.0 25.0-33.0 25.0-35.0 27.0-32.0	RETHe	pg	M F	All All	29.8-40.4 30.1-39.8
MCHC	g/dL	B B B B B B B B	0-7 days 8-30 days 1-2 mo 3-6 mo 7 mo-6 yrs 7-17 yrs 18+ yrs	29.0-38.0 30.0-37.0 30.0-37.0 31.0-36.0 31.0-37.0 32.0-37.0 31.0-35.0	IRF	%	M F	All All	2.6-20.4 2.1-25.5

Test	Unit	Sex	Age	Ref Range		Test	Unit	Sex	Age	Ref Range
PLT	10 ³ /uL	B B B B B B	0-7 days 8-30 days 1 mo-6 yrs 7-11 yrs 12-17 yrs 18+ yrs	140-300 200-470 150-400 150-400 150-400 135-371		IPF	%	B	All	1.6-8.1
Neutrop hils	%	B B B B B B B	0-1 days 2-31 days 1-6 mo 7 mo-2 yrs 3-5 yrs 6-10 yrs 11-17 yrs 18+ yrs	50.0-79.0 25.0-67.0 20.0-40.0 22.0-45.0 32.0-54.0 39.0-67.0 45.0-67.0 35.0-75.0		Eos	%	B B B B	0-1 days 2-31 days 1 mo-17 yrs 18+ yrs	0.0-6.0 0.0-10.0 0.0-9.0 0.4-7.5
	10 ³ /uL	B B B B B B	0-30 days 1-11 mo 1-6 yrs 7-11 yrs 12-17 yrs 18+ yrs	5.9-19.9 1.5-7.7 1.7-7.7 1.7-7.7 1.8-7.7 1.6-8.1			10 ³ /uL	B	All	0.03-0.51
Lymphs	%	B B B B B B B	0-1 days 2-31 days 1 mo-2 yrs 3-5 yrs 6-10 yrs 11-17 yrs 18+ yrs	15.0-38.0 28.0-62.0 47.0-67.0 37.0-59.0 26.0-48.0 24.0-44.0 15.0-49.0		Basos	%	B B	0-17 yrs 18+ yrs	0.0-2.0 0.1-1.5
	10 ³ /uL	B B B B B B	0-30 days 1-11 mo 1-6 yrs 7-11 yrs 12-17 yrs 18+ yrs	2.8-9.6 2.5-9.8 2.0-6.2 1.8-4.9 1.7-4.5 1.1-3.5			10 ³ /uL	B	All	0.01-0.08
Monos	%	B B B B	0-1 days 2-31 days 1 mo-17 yrs 18+ yrs	2.0-13.0 2.0-19.0 1.0-13.0 3.5-12.0		Imm Gran	%	B	All	0.0-0.6
	10 ³ /uL	B B B B B B	0-30 days 1-11 mo 1-6 yrs 7-11 yrs 12-17 yrs 18+ yrs	0.2-1.0 0.2-1.0 0.2-0.9 0.2-0.9 0.2-1.0 0.3-1.1			10 ³ /uL	B	All	0.0-0.03