



Indiana University Health Pathology Laboratory
Hematology Reference Ranges

	WBC	RBC	HGB	HCT	MCV	MCH
	k/μL	m/μL	GM/dL	%	fL	pg
Male Adult	3.6-10.6	4.18-5.51	13.4-17.0	40.0-54.0	81-99	27.0-34.0
Female Adult	3.6-10.6	3.71-5.17	12.0-15.0	35.0-49.0	81-99	27.0-34.0
7-13 Years	4.5-13.5	4.00-5.40	12.0-15.0	35.0-49.0	80-94	26.0-32.0
3-7 Years	5.0-17.0	4.00-5.20	10.2-15.2	36.0-46.0	78-94	23.0-31.0
1-3 Years	5.5-17.5	3.40-5.20	9.6-15.6	34.0-48.0	76-92	23.0-31.0
179 days- 1 year	6.0-18.0	3.60-5.20	10.4-15.6	35.0-51.0	78-102	23.0-31.0
59-179 days	6.0-18.0	3.65-5.05	10.4-16.0	35.0-51.0	83-107	25.0-35.0
30-59 days	6.0-18.0	3.40-5.00	10.6-16.4	32.0-50.0	83-107	27.0-37.0
14-30 days	5.0-21.0	3.20-5.00	12.2-18.0	38.0-53.0	93-113	28.0-40.0
7-14 days	5.0-21.0	4.00-5.60	15.0-19.6	46.0-62.0	95-115	30.0-42.0
4-7 days	5.0-21.0	4.20-5.80	15.2-20.4	50.0-64.0	100-120	30.0-42.0
1-4 days	8.0-24.0	4.36-5.96	16.4-20.8	48.0-68.0	98-118	30.0-42.0
0-1 day	9.0-37.0	4.10-6.10	16.5-21.5	48.0-68.0	95-125	30.0-42.0

	Neutrophil	Lymphocyte	Monocyte	Eosinphil	Basophil	Neutrophil - Manual
	k/μL	k/μL	k/μL	k/μL	k/μL	k/μL
Male Adult	1.7-7.5	1.0-3.2	0.1-1.3	0.0-0.3	0.0-0.2	1.7-7.0
Female Adult	1.7-7.5	1.0-3.2	0.1-1.3	0.0-0.3	0.0-0.2	1.7-7.0
7-13 Years	1.6-9.5	1.0-7.2	0.1-1.5	0.0-0.5	0.0-0.3	1.6-8.8
3-7 Years	1.5-11.0	1.5-11.1	0.1-1.9	0.0-0.7	0.0-0.3	1.5-10.1
1-3 Years	1.2-8.9	2.0-12.8	0.1-1.9	0.0-0.7	0.0-0.4	1.2-8.0
179 days- 1 year	1.2-8.1	2.9-14.0	0.1-2.0	0.0-0.7	0.0-0.4	1.2-7.2
59-179 days	1.1-7.7	2.7-13.5	0.1-2.0	0.0-0.7	0.0-0.4	1.1-6.8
30-59 days	1.2-8.1	2.5-13.0	0.2-2.5	0.0-0.7	0.0-0.4	1.2-7.2
14-30 days	1.0-9.5	2.1-12.8	0.1-3.2	0.0-1.1	0.0-0.4	1.0-8.4
7-14 days	1.2-11.6	1.5-13.0	0.2-3.6	0.0-1.1	0.0-0.4	1.1-9.7
4-7 days	1.5-12.6	1.2-11.3	0.2-3.6	0.0-1.3	0.0-0.4	1.4-10.7
1-4 days	2.6-17.0	1.3-11.0	0.2-3.4	0.0-1.2	0.0-0.5	2.4-14.4
0-1 day	3.7-30.0	1.6-14.1	0.1-4.4	0.0-1.5	0.0-0.7	3.3-24.8

Reference ranges for WBC Differential Percentage will not be reported per CAP recommendation.

MCHC	RDW	PLT	MPV
GM/dL	%	k/μL	fL
32.0-36.0	11.5-14.5	150-450	7.0-12.0
32.0-36.0	11.5-14.5	150-450	7.0-12.0
32.0-36.0	11.5-14.5	150-450	6.3-9.6
32.0-36.0	11.5-14.5	150-450	6.3-9.6
32.0-36.0	11.5-14.5	150-450	6.3-9.6
32.0-36.0	11.5-14.5	150-450	6.3-9.6
32.0-36.0	11.5-14.5	150-450	6.3-9.6
31.0-37.0	11.5-14.5	150-450	6.3-9.6
30.0-34.0	11.5-14.5	150-450	6.3-9.6
30.0-34.0	11.5-14.5	150-450	6.3-9.6
30.0-34.0	11.5-14.5	150-450	6.3-9.6
30.0-34.0	11.5-14.5	150-450	6.3-9.6
30.0-34.0	11.5-14.5	150-450	6.3-9.6

Band- Manual	Retic	Retic	nRBC
k/μL	%	k/μL	/100 WBC
0.0-0.5	0.5-2.5	21-115	0
0.0-0.5	0.5-2.5	21-115	0
0.0-0.7	0.5-2.3	20-124.2	0
0.0-0.9	0.5-2.3	20-119.6	0
0.0-0.9	0.5-2.3	17.0-119.6	0
0.0-0.9	0.5-2.3	18.0-119.6	0
0.0-0.9	0.5-2.3	18.3-116.2	0
0.0-0.9	0.8-2.8	27.2-140.0	0
0.0-1.1	0.2-1.0	6.4-50.0	0
0.1-1.9	0.0-1.0	0.0-56.0	0
0.1-1.9	0.2-1.4	8.4-81.2	0-1
0.2-2.6	1.3-4.7	56.7-280.1	0-9
0.4-5.2	1.8-5.8	73.8-353.8	0-24