

## Female

	WBC (10 <sup>3</sup> /uL)	RBC (10 <sup>6</sup> /uL)	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	RDW %	PLT (10 <sup>3</sup> /uL)	MPV fL
> 18y	3.7-11.0	3.85-5.22	11.5-16.0	34.8-46.0	78-100	26-32	31-35.5	11.5-15.5	150-400	8.7-12.5
12y-18y	4.2-9.4	3.93-4.90	10.8-13.3	33.4-40.4	76.9-90.6	24.8-30.2	31.5-34.2	12.3-14.6	194-345	9.6-11.7
6y-12y	4.3-11.4	3.90-4.96	10.6-13.2	32.4-39.5	75.9-87.6	24.8-29.5	31.8-34.6	12.2-14.4	199-367	9.3-11.3
2y-6y	4.9-13.2	3.84-4.92	10.2-12.7	31.2-37.8	72.3-85.0	23.7-28.6	31.8-34.6	12.4-14.9	189-394	8.9-11.0
181 D-2y	6.5-13.0	3.97-5.01	10.2-12.7	30.9-37.9	71.3-82.6	23.2-27.5	31.9-34.2	12.7-15.1	214-459	8.8-10.6
61-180 D	6.0-13.3	3.45-4.75	9.9-12.4	29.5-37.1	74.8-88.3	24.4-29.5	32.1-34.4	12.2-14.3	247-580	9.0-10.9
31-60 D	7.1-14.7	2.93-3.87	9.2-11.4	27.7-35.1	83.4-96.4	28.0-32.5	32.5-34.9	13.6-15.8	331-597	9.4-11.1
15-30 D	8.4-14.4	3.32-4.80	10.8-14.6	32.0-44.5	90.1-103.0	30.4-35.3	33.2-35.0	14.4-16.2	279-571	10.0-12.2
0-14 D	8.2-14.6	4.12-5.74	13.4-20.0	39.6-57.2	92.7-106.4	31.1-35.9	33.4-35.4	14.6-17.3	144-449	10.4-12.0

	NEUT # (10 <sup>3</sup> /uL)	LY # (10 <sup>3</sup> /uL)	MO #(10 <sup>3</sup> /uL)	EOS #(10 <sup>3</sup> /uL)	BASO #(10 <sup>3</sup> /uL)	IG #(10 <sup>3</sup> /uL)	IG %	NRBC % per 100 WBC	NRBC # 10 <sup>3</sup> /uL RBC #
> 18y	1.50-7.70	1.00-4.80	0.20-1.10	≤ 0.50	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	0-0.12
12y-18y	1.80-7.50	1.20-3.30	0.20-0.70	≤ 0.30	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
6y-12y	1.60-7.90	1.20-4.30	0.20-0.80	≤ 0.50	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
2y-6y	1.60-8.30	1.30-5.80	0.20-0.90	≤ 0.50	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
181 D-2y	1.30-7.20	1.50-8.10	0.30-1.10	≤ 0.60	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
61-180 D	1.00-7.20	2.10-9.00	0.20-1.20	≤ 0.70	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
31-60 D	1.00-4.70	2.30-9.10	0.30-1.20	≤ 0.60	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
15-30 D	1.20-4.80	2.40-8.20	0.40-1.20	≤ 0.80	≤ 0.20	≤ 0.1	0.0-1.0	0-0.2	
0-14 D	1.70-6.80	1.80-8.00	0.60-1.70	≤ 0.60	≤ 0.20	≤ 0.3	0.0-2.0	0-0.2	
4 D-18y								0-0.2	0-0.15
1-3 D								0.1-8.3	0.06-1.30

## Male

AGE	WBC (10 <sup>3</sup> /uL)	RBC (10 <sup>6</sup> /uL)	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	RDW %	PLT (10 <sup>3</sup> /uL)	MPV fL
> 18y	3.7-11.0	4.50-6.10	13.4-17.5	38.9-52.0	78-100	26-32	31-35.5	11.5-15.5	150-400	8.7-12.5
12y-18y	3.8-9.8	4.03-5.29	11.0-14.5	33.9-43.5	76.7-89.2	25.2-30.2	31.8-34.8	12.4-14.5	175-332	9.6-11.8
6y-12y	4.3-11.0	3.96-5.03	10.7-13.4	32.2-39.8	74.4-86.1	24.9-29.2	32.2-34.9	12.3-14.1	206-369	9.2-11.4
2y-6y	5.1-13.4	3.89-4.97	10.2-12.7	31.0-37.7	71.3-84.0	23.7-28.3	32.0-34.7	12.5-14.9	202-403	9.0-10.9
181 D-2 y	6.0-13.5	4.03-5.07	10.1-12.5	30.8-37.8	69.5-81.7	22.7-27.2	31.6-34.4	12.9-15.6	206-445	8.7-10.5
61-180 D	6.5-13.3	3.43-4.80	9.6-12.4	28.6-37.2	74.1-87.5	24.4-28.9	31.9-34.4	12.4-15.3	244-529	8.9-10.6
31-60 D	8.1-15.0	3.02-4.22	8.9-12.7	26.8-37.5	84.3-94.2	27.8-32.0	32.3-34.8	13.8-16.1	229-562	9.2-10.8
15-30 D	7.8-15.9	3.16-4.63	10.0-15.3	30.5-45.0	89.4-99.7	29.9-34.1	32.7-35.1	14.3-16.8	248-586	10.1-12.1
0-14 D	8.0-15.4	4.10-5.55	13.9-19.1	39.8-53.6	91.3-103.1	31.3-35.6	33.0-35.7	14.8-17.0	218-419	10.2-11.9

	NEUT # (10 <sup>3</sup> /uL)	LY # (10 <sup>3</sup> /uL)	MO# (10 <sup>3</sup> /uL)	EOS #(10 <sup>3</sup> /uL)	BASO #(10 <sup>3</sup> /uL)	IG #(10 <sup>3</sup> /uL)	IG %	NRBC % per 100 WBC	NRBC # 10 <sup>3</sup> /uL RBC #
> 18y	1.50-7.70	1.00-4.80	0.20-1.10	≤ 0.50	≤ 0.20	≤ 0.1	0.0-1.0	0.0-0.2	0-0.12
12y-18y	1.50-7.00	1.00-3.30	0.20-0.80	≤ 0.40	≤ 0.20	≤ 0.1	0.0-1.0		
6y-12y	1.60-7.60	1.00-4.00	0.20-0.90	≤ 0.50	≤ 0.20	≤ 0.1	0.0-1.0		
2y-6y	1.50-7.90	1.10-5.50	0.20-0.90	≤ 0.50	≤ 0.20	≤ 0.1	0.0-1.0		
181 D-2 y	1.20-7.20	1.60-7.80	0.30-1.20	≤ 0.80	≤ 0.20	≤ 0.1	0.0-1.0		
61-180 D	1.00-5.50	2.50-8.90	0.30-1.10	≤ 0.60	≤ 0.20	≤ 0.1	0.0-1.0		
31-60 D	0.80-4.20	2.50-8.0	0.30-1.10	≤ 0.60	≤ 0.20	≤ 0.1	0.0-1.0		
15-30 D	1.20-5.50	2.10-8.40	0.30-1.40	≤ 0.80	≤ 0.20	≤ 0.1	0.0-1.0		
0-14 D	1.60-6.10	2.10-7.50	0.50-1.80	≤ 0.70	≤ 0.20	≤ 0.3	0.0-2.0		
4 D-18y								0.0-0.2	0-0.15
1-3 D								0.1-8.3	0.06-1.30

Note: Any reference ranges below the reportable range of 0.1 are reported as ≤0.1.

**Immature granulocytes [IG]** is a parameter reported with the automated differential only.

If a manual differential is triggered due to instrument or laboratory flags, immature granulocytes are identified by cell maturity.

**Male and Female**

	Retic %	Retic # (10 <sup>3</sup> /uL)	IRF %	RETHe (pg)	IPF %	IPF # (10 <sup>3</sup> /uL)
>18 y male	0.50-2.20	26.0-110.0	2.7-15.9			
>18 female	0.50-2.20	17.0-100.0	2.7-15.9			
12y-18y	0.9-1.5	42.0-65.0	9.0-18.7			
6y-12y	1.0-1.9	42.4-70.2	8.9-24.1			
2y-6y	0.8-1.5	36.4-68.0	8.4-21.7			
181D-2y	1.0-1.8	43.5-111.1	11.4-25.8			
61D-180D	1.6-2.7	48.2-88.2	13.4-23.3			
31D-60D	2.1-3.5	51.8-77.9	19.1-28.9			
4D-30D	1.1-2.4	51.3-110.4	14.5-24.6			
0-3D	3.5-5.4	147.5-216.4	30.5-35.1			
No age range				28.0-38.0	0.8-10.0	n/a

Percent differential normal ranges were based on the WBC and absolute normal ranges.

**Female**

Age	NEUT%	LY %	MO %	EOS %	BASO %
>18 yr	41-70	27-44	5-10	0-4	0-2
12y-18y	43-80	29-35	5-7	0-3	0-2
6y-12y	37-69	28-38	5-7	0-4	0-2
2y-6y	33-63	27-44	4-7	0-4	0-1
181D-2y	20-55	23-62	5-8	0-5	0-1
61-180D	17-54	35-68	3-9	0-5	0-1
31-60D	14-32	32-62	4-8	0-4	0-1
15-30D	14-33	29-57	5-8	0-5	0-1
0-14D	21-47	22-55	7-12	0-4	0-1

**Male**

Age	NEUT%	LY %	MO %	EOS %	BASO %
>18 yr	41-70	27-44	5-10	0-4	0-2
12y-18y	39-71	26-34	5-8	0-4	0-2
6y-12y	37-69	23-36	5-8	0-4	0-2
2y-6y	29-59	22-41	4-7	0-4	0-1
181D-2y	20-53	27-58	5-9	0-6	0-1
61-180D	15-41	38-67	5-8	0-4	0-1
31-60D	10-28	31-53	4-7	0-4	0-1
15-30D	15-35	27-53	4-9	0-5	0-1
0-14D	20-40	26-49	6-12	0-4	0-1