

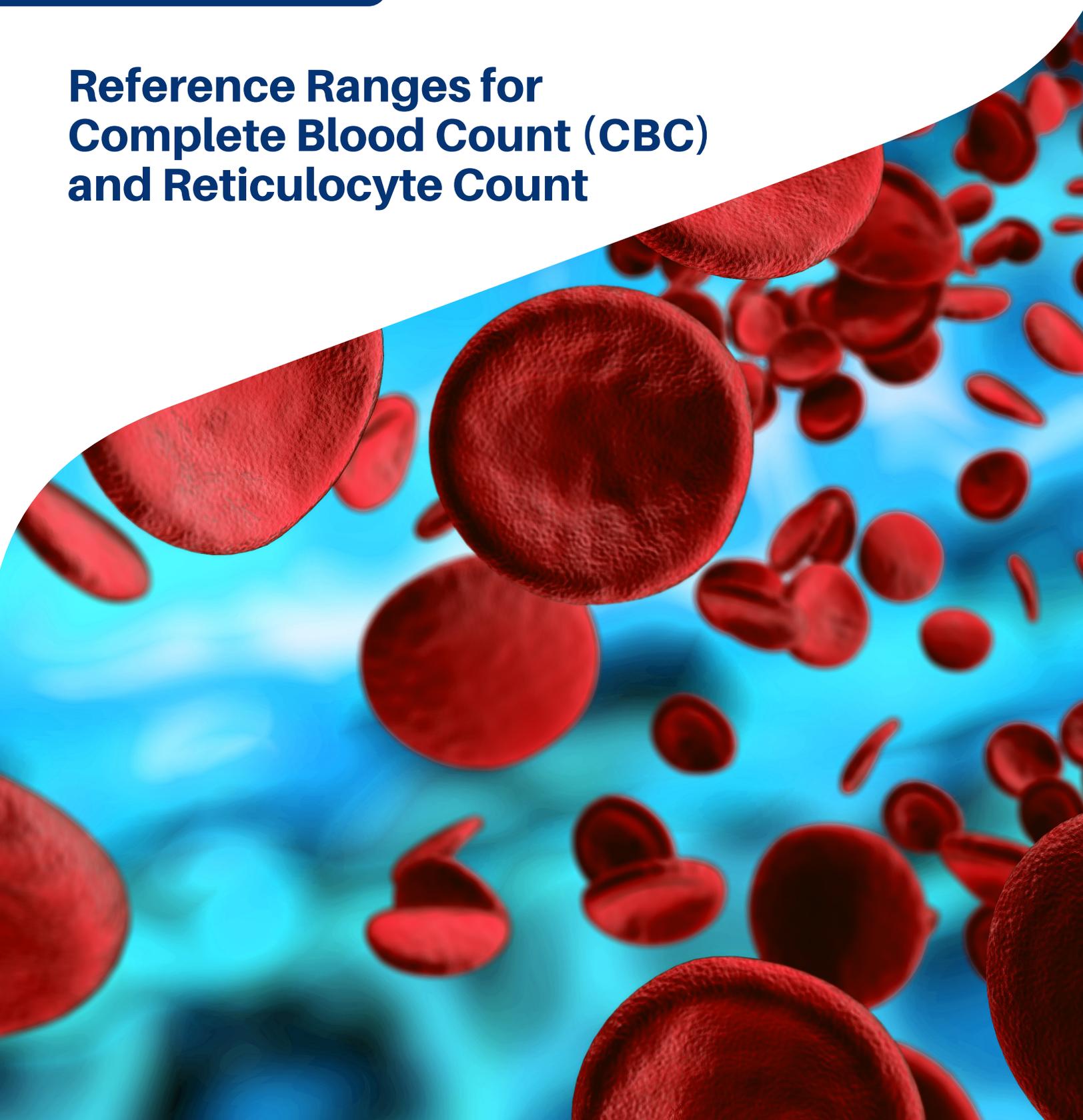


PROPATH

A Sonic Healthcare Anatomic Pathology Practice

Information for providers

Reference Ranges for Complete Blood Count (CBC) and Reticulocyte Count



We would like to thank you for continuing to entrust your patients to ProPath. Our goal is excellence in all aspects of diagnostic testing and patient care. With that in mind, we are notifying you that **effective May 15, 2023**, we have updated our hematology instrumentation and established new reference ranges for Complete Blood Count with and without Differential (CBC) and Reticulocyte (Retic) Count.

CBC with or without differential

WBC	Male	Female	Units
0 day - 15 days	5.0 - 21.0	5.0 - 21.0	K/UL
15 days - 30 days	5.0 - 20.0	5.0 - 20.0	K/UL
30 days - 60 days	5.0 - 19.5	5.0 - 19.5	K/UL
60 days - 6 months	5.5 - 17.0	5.5 - 17.0	K/UL
6 months - 2 years	5.0 - 16.5	5.0 - 16.5	K/UL
2 years - 6 years	4.0 - 15.0	4.0 - 15.0	K/UL
6 years - 8 years	4.0 - 13.0	4.0 - 13.0	K/UL
8 years - 10 years	4.0 - 12.0	4.0 - 12.0	K/UL
10 years - 12 years	3.5 - 12.0	3.5 - 12.0	K/UL
12 years - 18 years	3.5 - 11.0	3.5 - 11.0	K/UL
18 years - 150 years	4.0 - 11.0	4.0 - 11.0	K/UL

RBC	Male	Female	Units
0 day - 15 days	3.90 - 6.30	3.90 - 6.30	M/UL
15 days - 30 days	3.60 - 6.20	3.60 - 6.20	M/UL
30 days - 60 days	3.00 - 5.40	3.00 - 5.40	M/UL
60 days - 4 months	2.70 - 4.90	2.70 - 4.90	M/UL
4 months - 6 months	3.10 - 4.50	3.10 - 4.50	M/UL
6 months - 2 years	3.70 - 5.30	3.70 - 5.30	M/UL
2 years - 6 years	3.90 - 5.30	3.90 - 5.30	M/UL
6 years - 12 years	4.00 - 5.30	4.00 - 5.30	M/UL
12 years - 14 years	4.30 - 5.80	4.00 - 5.40	M/UL
14 years - 18 years	4.50 - 6.10	4.00 - 5.40	M/UL
18 years - 150 years	4.60 - 6.10	4.60 - 6.10	M/UL

CBC with or without differential (Continued)

Hemoglobin	Male	Female	Units
0 day - 15 days	13.5 - 21.5	13.5 - 21.5	G/DL
15 days - 30 days	12.5 - 20.5	12.5 - 20.5	G/DL
30 days - 60 days	10.0 - 18.0	10.0 - 18.0	G/DL
60 days - 4 months	9.0 - 14.0	9.0 - 14.0	G/DL
4 months - 6 months	9.5 - 13.5	9.5 - 13.5	G/DL
6 months - 2 years	10.5 - 13.5	10.5 - 13.5	G/DL
2 years - 6 years	10.5 - 14.0	10.5 - 14.0	G/DL
6 years - 8 years	11.0 - 15.0	11.0 - 14.5	G/DL
8 years - 10 years	11.0 - 15.0	11.0 - 15.0	G/DL
10 years - 12 years	11.0 - 15.5	11.0 - 15.5	G/DL
12 years - 16 years	12.0 - 17.0	11.0 - 15.5	G/DL
16 years - 18 years	13.5 - 17.0	11.0 - 15.5	G/DL
18 years - 150 years	13.7 - 17.5	11.0 - 15.7	G/DL

Hematocrit	Male	Female	Units
0 day - 15 days	42.0 - 66.0	42.0 - 66.0	%
15 days - 30 days	39.0 - 63.0	39.0 - 63.0	%
30 days - 60 days	31.0 - 55.0	31.0 - 55.0	%
60 days - 4 months	28.0 - 42.0	28.0 - 42.0	%
4 months - 6 months	29.0 - 41.0	29.0 - 41.0	%
6 months - 2 years	30.5 - 42.0	30.5 - 42.0	%
2 years - 6 years	31.5 - 42.0	31.5 - 42.0	%
6 years - 8 years	33.0 - 43.0	33.0 - 43.0	%
8 years - 10 years	33.0 - 44.0	33.0 - 44.0	%
10 years - 12 years	33.0 - 45.0	33.0 - 45.0	%
12 years - 14 years	36.0 - 48.0	33.0 - 45.0	%
14 years - 16 years	36.0 - 50.0	33.0 - 45.0	%
16 years - 18 years	40.0 - 51.0	33.0 - 45.0	%
18 years - 150 years	40.0 - 51.0	34.0 - 45.0	%

CBC with or without differential (Continued)

MCV	Male	Female	Units
0 day - 15 days	88.0 - 26.0	88.0 - 126.0	fL
15 days - 30 days	86.0 - 24.0	86.0 - 124.0	fL
30 days - 60 days	85.0 - 23.0	85.0 - 123.0	fL
60 days - 4 months	77.0 - 15.0	77.0 - 115.0	fL
4 months - 6 months	74.0 - 08.0	74.0 - 108.0	fL
6 months - 2 years	70.0 - 86.0	70.0 - 86.0	fL
2 years - 4 years	70.0 - 87.0	70.0 - 87.0	fL
4 years - 6 years	72.0 - 87.0	72.0 - 87.0	fL
6 years - 12 years	75.0 - 90.0	75.0 - 90.0	fL
12 years - 18 years	78.0 - 95.0	78.0 - 95.0	fL
18 years - 150 years	79.0 - 99.0	79.0 - 97.0	fL

MCH	Male	Female	Units
0 day - 60 days	28.0 - 40.0	28.0 - 40.0	PG
60 days - 4 months	26.0 - 34.0	26.0 - 34.0	PG
4 months - 6 months	25.0 - 35.0	25.0 - 35.0	PG
6 months - 6 years	23.0 - 31.0	23.0 - 31.0	PG
6 years - 12 years	24.0 - 31.0	24.0 - 31.0	PG
12 years - 16 years	24.0 - 32.0	24.0 - 32.0	PG
16 years - 18 years	24.0 - 33.0	24.0 - 33.0	PG
18 years - 150 years	25.0 - 32.0	25.0 - 32.0	PG

MCHC	Male	Female	Units
0 day - 6 months	31.9 - 35.2	31.9 - 35.2	G/DL
6 months - 2 years	30.0 - 36.0	30.0 - 36.0	G/DL
2 years - 6 years	31.0 - 36.0	31.0 - 36.0	G/DL
6 years - 12 years	31.5 - 36.0	31.5 - 36.0	G/DL
12 years - 18 years	31.0 - 36.0	31.0 - 36.0	G/DL
18 years - 150 years	30.0 - 36.0	30.0 - 36.0	G/DL

RDW	Male	Female	Units
All ages	11.5 - 14.5	11.5 - 14.5	%

CBC with or without differential (Continued)

Platelet Count	Male	Female	Units
0 day - 15 days	200 - 450	200 - 450	K/UL
15 days - 6 months	200 - 600	200 - 600	K/UL
6 months - 2 years	200 - 750	200 - 750	K/UL
2 years - 4 years	200 - 600	200 - 600	K/UL
4 years - 6 years	200 - 550	200 - 550	K/UL
6 years - 12 years	200 - 500	200 - 500	K/UL
12 years - 18 years	150 - 450	150 - 450	K/UL
18 years - 150 years	160 - 340	170 - 450	K/UL

Absolute Neutrophils	Male	Female	Units
0 day - 15 days	1.50 - 0.00	1.50 - 10.00	K/UL
15 days - 30 days	1.00 - 9.50	1.00 - 9.50	K/UL
30 days - 60 days	1.00 - 9.00	1.00 - 9.00	K/UL
60 days - 6 months	1.00 - 8.50	1.00 - 8.50	K/UL
6 months - 2 years	1.50 - 8.50	1.50 - 8.50	K/UL
2 years - 12 years	1.50 - 8.00	1.50 - 8.00	K/UL
12 years - 18 years	1.50 - 7.50	1.50 - 7.50	K/UL
18 years - 150 years	1.70 - 5.40	1.50 - 6.10	K/UL

Absolute Lymphocytes	Male	Female	Units
0 day - 30 days	2.00 - 7.00	2.00 - 17.00	K/UL
30 days - 60 days	2.50 - 6.50	2.50 - 16.50	K/UL
60 days - 6 months	4.00 - 3.50	4.00 - 13.50	K/UL
6 months - 2 years	2.50 - 1.00	2.50 - 11.00	K/UL
2 years - 4 years	2.00 - 9.50	2.00 - 9.50	K/UL
4 years - 6 years	2.00 - 7.00	2.00 - 7.00	K/UL
6 years - 8 years	1.50 - 6.00	1.50 - 6.00	K/UL
8 years - 14 years	1.50 - 5.00	1.50 - 5.00	K/UL
14 years - 16 years	1.50 - 4.00	1.50 - 4.00	K/UL
16 years - 18 years	1.20 - 4.00	1.20 - 4.00	K/UL
18 years - 150 years	1.20 - 4.00	1.20 - 4.00	K/UL

CBC with or without differential (Continued)

Absolute Monocytes	Male	Female	Units
0 day - 15 days	0.30 - 3.60	0.30 - 3.60	K/UL
15 days - 6 months	0.30 - 2.70	0.30 - 2.70	K/UL
6 months - 2 years	0.10 - 1.40	0.10 - 1.40	K/UL
2 years - 4 years	0.10 - 1.30	0.10 - 1.30	K/UL
4 years - 6 years	0.10 - 1.10	0.10 - 1.10	K/UL
6 years - 8 years	0.10 - 1.00	0.10 - 1.00	K/UL
8 years - 18 years	0.10 - 0.90	0.10 - 0.90	K/UL
18 years - 150 years	0.20 - 1.00	0.20 - 1.00	K/UL

Absolute Eosinophils	Male	Female	Units
0 day - 6 months	0.00 - 1.10	0.00 - 1.10	K/UL
6 months - 2 years	0.00 - 0.90	0.00 - 0.90	K/UL
2 years - 12 years	0.00 - 0.70	0.00 - 0.70	K/UL
12 years - 18 years	0.00 - 0.50	0.00 - 0.50	K/UL
18 years - 150 years	0.00 - 0.50	0.00 - 0.50	K/UL

Absolute Basophils	Male	Female	Units
All ages	0.0 - 0.08	0.0 - 0.08	K/UL

Reticulocyte Count

Notes: Effective 5/15/23, reference ranges updated to the following:

Reticulocyte Count	Male	Female	Units
0 day - 4 days	3.47 - 5.40	3.47 - 5.40	%
4 days - 30 days	1.06 - 2.37	1.06 - 2.37	%
30 days - 60 days	2.12 - 3.47	2.12 - 3.47	%
60 days - 6 months	1.55 - 2.70	1.55 - 2.70	%
6 months - 2 years	0.99 - 1.82	0.99 - 1.82	%
2 years - 6 years	0.82 - 1.45	0.82 - 1.45	%
6 years - 12 years	0.98 - 1.94	0.98 - 1.94	%
12 years - 18 years	0.90 - 1.49	0.90 - 1.49	%
18 years - 150 years	0.80 - 2.90	0.80 - 2.90	%

Absolute Reticulocyte	Male	Female	Units
0 day - 4 days	147.5 - 16.4	147.5 - 16.4	K/UL
4 days - 30 days	51.3 - 110.4	51.3 - 110.4	K/UL
30 days - 60 days	51.8 - 77.9	51.8 - 77.9	K/UL
60 days - 6 months	48.2 - 88.2	48.2 - 88.2	K/UL
6 months - 2 years	43.5 - 111.1	43.5 - 111.1	K/UL
2 years - 6 years	36.4 - 68.0	36.4 - 68.0	K/UL
6 years - 12 years	42.4 - 70.2	42.4 - 70.2	K/UL
12 years - 18 years	41.6 - 65.1	41.6 - 65.1	K/UL
18 years - 150 years	35.0 - 134.0	32.0 - 105.0	K/UL



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