

Haematology CBC Reference Intervals 2024

Effective dates 01.01.2024 - 31.12.24
(Unless superseded)

(Pathology Associates - Pathlab BOP, Rotorua, Taupo Waikato and Whakatane)

Parameter Unit Age	WCC		Hb (Female)		Hb (Male)		RBC (Female)		RBC (Male)		HCT (Female)		HCT (Male)		MCV		MCH		MCHC		MCHC M		RDW		Platelets		Retic		Retic	
	x 10 ⁹ / L		g / L		g / L		x 10 ¹² / L		x 10 ¹² / L		L / L		L / L		fL		pg		g / L		g / L		%		x 10 ⁹ / L		%		x 10 ⁹ / L	
	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper
Cord	7.3	25.8	124	192	124	192	3.53	5.52	3.53	5.52	0.37	0.56	0.37	0.56	99	119	32	39	305	345	305	345	15.0	19.0	150	400				
1-6 Day	9.4	34.0	145	225	145	225	4.00	6.60	4.00	6.60	0.45	0.67	0.45	0.67	95	121	26	35	310	350	310	350	14.5	18.5	150	400				
7-13 Day	5.0	21.0	135	215	135	215	3.90	6.30	3.90	6.30	0.42	0.66	0.42	0.66	88	126	26	35	305	355	305	355	14.5	18.5	150	400				
14-29 Day	5.0	20.0	125	205	125	205	3.60	6.20	3.60	6.20	0.39	0.63	0.39	0.63	86	124	26	35	305	355	305	355	14.5	18.5	150	400				
1m	5.8	13.0	93	158	93	158	2.90	4.80	2.90	4.80	0.27	0.46	0.27	0.46	89	100	28	34	324	364	324	364	13.0	17.5	150	650				
2-3m	6.6	15.0	97	130	97	130	3.30	4.80	3.30	4.80	0.29	0.38	0.29	0.38	72	91	24	32	323	361	323	361	11.5	17.5	150	650				
4-5 m	6.4	17.0	105	136	105	136	4.00	5.30	4.00	5.30	0.31	0.40	0.31	0.40	69	84	22	29	315	353	315	353	11.5	16.0	150	575				
6-7m	6.4	17.0	105	136	105	136	4.00	5.30	4.00	5.30	0.31	0.40	0.31	0.40	69	84	22	29	315	353	315	353	11.5	16.0	150	575				
8-9m	6.4	17.0	105	136	105	136	4.00	5.30	4.00	5.30	0.31	0.40	0.31	0.40	69	84	22	29	315	353	315	353	11.5	16.0	150	575				
10-11m	6.4	17.0	105	136	105	136	4.00	5.30	4.00	5.30	0.31	0.40	0.31	0.40	69	84	22	29	315	353	315	353	11.5	16.0	150	575				
1 year	5.0	14.5	105	140	105	140	4.00	5.40	4.00	5.40	0.32	0.41	0.32	0.41	70	86	23	29	317	353	317	353	11.5	16.0	150	500				
2 years	5.0	14.5	105	140	105	140	4.00	5.40	4.00	5.40	0.32	0.41	0.32	0.41	70	86	23	29	317	353	317	353	11.5	16.0	150	500				
3 years	5.0	14.5	105	140	105	140	4.00	5.40	4.00	5.40	0.32	0.41	0.32	0.41	70	86	23	29	317	353	317	353	11.5	16.0	150	500				
4 years	4.5	12.0	113	145	113	145	4.10	5.40	4.10	5.40	0.33	0.42	0.33	0.42	74	87	24	29	319	353	319	353	11.5	14.5	150	475				
5 years	4.5	12.0	113	145	113	145	4.10	5.40	4.10	5.40	0.33	0.42	0.33	0.42	74	87	24	29	319	353	319	353	11.5	15.0	150	475				
6 years	4.5	12.0	113	145	113	145	4.10	5.40	4.10	5.40	0.33	0.42	0.33	0.42	74	87	24	29	319	353	319	353	11.5	15.0	150	475				
7 years	4.5	12.0	113	145	113	145	4.10	5.40	4.10	5.40	0.33	0.42	0.33	0.42	74	87	24	29	319	353	319	353	11.5	15.0	150	475				
8 years	4.3	12.0	115	145	115	145	4.15	5.40	4.15	5.40	0.35	0.43	0.35	0.43	75	90	24	30	315	350	315	350	11.5	15.0	150	425				
9 years	4.3	12.0	115	145	115	145	4.15	5.40	4.15	5.40	0.35	0.43	0.35	0.43	75	90	24	30	315	350	315	350	11.5	15.0	150	425				
10 years	4.3	12.0	115	145	115	145	4.20	5.60	4.20	5.60	0.35	0.43	0.35	0.43	75	90	24	30	315	350	315	350	11.5	15.0	150	425				
11 years	4.3	12.0	115	145	115	145	4.20	5.60	4.20	5.60	0.35	0.43	0.35	0.43	75	90	24	30	315	350	315	350	11.5	15.0	150	425				
12 years	4.3	12.0	115	145	115	145	4.20	5.60	4.20	5.60	0.35	0.43	0.35	0.43	75	90	24	30	315	350	315	350	11.5	15.0	150	425				
13 years	4.2	10.0	115	150	125	160	4.00	5.35	4.40	5.70	0.35	0.44	0.37	0.47	78	93	25	31	315	350	318	353	11.5	15.0	150	400				
14 years	4.2	10.0	115	150	125	160	4.00	5.35	4.40	5.70	0.35	0.44	0.37	0.47	78	93	25	31	315	350	318	353	11.5	15.0	150	400				
15 years	4.2	10.0	115	150	125	160	4.00	5.35	4.40	5.70	0.35	0.44	0.37	0.47	78	93	25	31	315	350	318	353	11.5	15.0	150	400				
16+ Adult	4.0	11.0	115	155	130	175	3.60	5.60	4.30	6.00	0.35	0.46	0.40	0.52	80	99	27	33	320	360			11.5	15.0	150	400	0.5	2.0	10	100
Antenatal	5.0	14.5	100	145			3.40	5.00			0.30	0.44			80	99	27	33	320	360			11.5	15.0	150	400				

Alan Neal

Alan Neal FIBMS MSc CSci



Service Lead, Haematology | p +64 7 578 7073 extn 6824 | m +64 027 230 8407 | PO Box 130 | Tauranga | 3144

NorthQAG / SIQAG
Reference Intervals 2024

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Parameter	Neutrophils		Lymphs		Monocytes		Eosinophils		Basophils	
	x 10 ⁹ / L		x 10 ⁹ / L		x 10 ⁹ / L		x 10 ⁹ / L		x 10 ⁹ / L	
Age	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper
Cord	3.3	13.0	2.1	10.7	0.7	2.7	0.0	1.0	0.0	0.2
1-6 Day	5.0	26.4	2.0	11.5	0.5	1.7	0.2	0.7	0.0	0.2
7-13 Day	6.5	16.5	2.0	17.0	0.3	1.3	0.2	0.8	0.0	0.2
14-29 Day	1.0	13.0	2.0	17.0	0.5	1.8	0.2	0.6	0.0	0.2
1m	0.5	3.9	3.7	8.0	0.5	1.5	0.0	0.9	0.0	0.2
2-3m	0.8	4.7	4.2	10.6	0.4	1.3	0.0	0.9	0.0	0.2
4-5 m	0.9	5.9	3.5	11.5	0.3	1.5	0.0	0.9	0.0	0.2
6-7m	0.9	5.9	3.5	11.5	0.3	1.5	0.0	0.9	0.0	0.2
8-9m	0.9	5.9	3.5	11.5	0.3	1.5	0.0	0.9	0.0	0.2
10-11m	0.9	5.9	3.5	11.5	0.3	1.5	0.0	0.9	0.0	0.2
1 year	1.0	7.0	2.0	8.0	0.3	1.3	0.0	0.9	0.0	0.2
2 years	1.0	7.0	2.0	8.0	0.3	1.3	0.0	0.9	0.0	0.2
3 years	1.0	7.0	2.0	8.0	0.3	1.3	0.0	0.9	0.0	0.2
4 years	1.5	8.0	1.4	5.7	0.3	1.0	0.0	1.0	0.0	0.2
5 years	1.5	8.0	1.4	5.7	0.3	1.0	0.0	1.0	0.0	0.2
6 years	1.5	8.0	1.4	5.7	0.3	1.0	0.0	1.0	0.0	0.2
7 years	1.5	8.0	1.4	5.7	0.3	1.0	0.0	1.0	0.0	0.2
8 years	1.5	7.0	1.4	4.5	0.3	0.9	0.0	0.9	0.0	0.2
9 years	1.5	7.0	1.4	4.5	0.3	0.9	0.0	0.9	0.0	0.2
10 years	1.5	7.0	1.4	4.5	0.3	0.9	0.0	0.9	0.0	0.2
11 years	1.5	7.0	1.4	4.5	0.3	0.9	0.0	0.9	0.0	0.2
12 years	1.5	7.0	1.4	4.5	0.3	0.9	0.0	0.9	0.0	0.2
13 years	1.8	7.0	1.4	4.0	0.3	0.9	0.0	0.8	0.0	0.2
14 years	1.8	7.0	1.4	4.0	0.3	0.9	0.0	0.8	0.0	0.2
15 years	1.8	7.0	1.4	4.0	0.3	0.9	0.0	0.8	0.0	0.2
16+ Adult	1.9	7.5	1.0	4.0	0.2	1.0	0.0	0.5	0.0	0.2
Antenatal	1.9	11.0	1.0	4.0	0.2	1.0	0.0	0.5	0.0	0.2

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Service Lead, Haematology | p +64 7 578 7073 extn 6824 | m +64 027 230 8407 | PO Box 130 | Tauranga | 3144

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