



**Institut für Laboratoriumsmedizin und Pathobiochemie, Molekulare Diagnostik
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**Neue Referenzbereiche für kleines Blutbild und Differential-Blutbild
am Standort Giessen und Marburg**

h=Stunden, d=Tage, m=Monate, a=Jahre

Alter	Neutrophile	Lymphozyten	Monozyten	Eosinophile	Basophile	Leukozyten	Stäbe	Segmentkernige
	G/l	G/l	G/l	G/l	G/l	G/l	G/l	G/l
0 - 24 h	3.9 - 22.3	1.8 - 9.8	0.20 - 2.70	0.03 - 1.10	0.00 - 0.35	9.9 - 28.2	0.00 - 2.82	3.9 - 22.3
1 - 3 d	3.3 - 15.5	1.8 - 11.2	0.20 - 2.50	0.03 - 1.00	0.00 - 0.30	9.0 - 24.3	0.00 - 2.43	3.3 - 15.5
3 - 7 d	2.1 - 10.7	2.0 - 12.6	0.20 - 2.50	0.04 - 1.00	0.00 - 0.25	8.1 - 21.6	0.00 - 2.16	2.1 - 10.7
7 - 14 d	1.5 - 8.9	2.2 - 13.6	0.20 - 2.50	0.05 - 1.00	0.00 - 0.25	8.1 - 20.4	0.00 - 1.02	1.5 - 8.9
14 - 30 d	1.3 - 8.3	2.2 - 13.6	0.20 - 2.30	0.05 - 0.95	0.00 - 0.20	7.2 - 19.2	0.00 - 0.96	1.3 - 8.3
1 - 3 m	1.3 - 7.9	2.7 - 12.6	0.25 - 1.90	0.05 - 0.90	0.00 - 0.20	6.6 - 16.2	0.00 - 0.81	1.3 - 7.9
3 - 6 m	1.3 - 8.3	3.0 - 12.2	0.25 - 1.70	0.05 - 0.85	0.00 - 0.20	6.6 - 15.6	0.00 - 0.78	1.3 - 8.3
6 - 12 m	1.5 - 8.7	3.2 - 11.2	0.20 - 1.45	0.05 - 0.80	0.00 - 0.20	6.6 - 15.6	0.00 - 0.78	1.5 - 8.7
1 - 2 a	1.5 - 8.7	3.0 - 10.0	0.15 - 1.20	0.03 - 0.70	0.00 - 0.20	6.0 - 15.0	0.00 - 0.75	1.5 - 8.7
2 - 4 a	1.5 - 8.5	2.2 - 8.5	0.10 - 1.10	0.02 - 0.75	0.00 - 0.20	5.4 - 13.8	0.00 - 0.69	1.5 - 8.5
4 - 6 a	1.7 - 8.5	1.8 - 7.0	0.10 - 1.00	0.02 - 0.75	0.00 - 0.20	5.1 - 12.9	0.00 - 0.65	1.7 - 8.5
6 - 12 a	1.7 - 8.1	1.5 - 6.0	0.10 - 0.95	0.02 - 0.70	0.00 - 0.20	4.8 - 12.0	0.00 - 0.60	1.7 - 8.1
12 - 15 a	1.7 - 7.9	1.2 - 5.0	0.10 - 0.95	0.02 - 0.65	0.00 - 0.20	4.5 - 11.4	0.00 - 0.57	1.7 - 7.9
15 - 18 a	1.7 - 7.9	1.2 - 5.0	0.10 - 0.90	0.02 - 0.55	0.00 - 0.20	4.2 - 10.8	0.00 - 0.54	1.7 - 7.9
>=18 a	1.5 - 7.7	1.1 - 4.5	0.10 - 0.90	0.02 - 0.50	0.00 - 0.20	3.9 - 10.2	0.00 - 0.51	1.5 - 7.7

	nur Marburg	nur Marburg	nur Marburg	nur Marburg	nur Marburg		nur Marburg	nur Marburg
Alter	Neutrophile	Lymphozyten	Monozyten	Eosinophile	Basophile		Stäbe	Segmentkernige
	%	%	%	%	%		%	%
0 - 24 h	32 - 74	18 - 44	3.0 - 14.0	0.0 - 5.0	0.00 - 2.25		0.0 - 10.0	32 - 74
1 - 3 d	29 - 66	22 - 52	3.0 - 15.0	0.5 - 5.5	0.00 - 2.00		0.0 - 10.0	29 - 66
3 - 7 d	26 - 62	26 - 56	3.5 - 17.5	0.5 - 6.5	0.00 - 1.75		0.0 - 10.0	26 - 62
7 - 14 d	22 - 62	26 - 56	3.5 - 17.5	0.5 - 7.0	0.00 - 1.75		0.0 - 5.0	22 - 62
14 - 30 d	17 - 57	30 - 60	2.5 - 17.0	0.5 - 7.0	0.00 - 1.50		0.0 - 5.0	17 - 57
1 - 3 m	17 - 60	30 - 65	2.0 - 15.0	0.5 - 6.0	0.00 - 1.50		0.0 - 5.0	17 - 60
3 - 6 m	17 - 60	30 - 65	2.0 - 13.5	0.5 - 5.5	0.00 - 1.50		0.0 - 5.0	17 - 60
6 - 12 m	19 - 63	30 - 67	2.0 - 12.0	0.5 - 5.0	0.00 - 1.50		0.0 - 5.0	19 - 63
1 - 2 a	22 - 63	32 - 63	1.5 - 10.5	0.5 - 5.0	0.00 - 1.50		0.0 - 5.0	22 - 63
2 - 4 a	25 - 68	28 - 59	1.5 - 09.0	0.5 - 5.0	0.00 - 1.50		0.0 - 5.0	25 - 68
4 - 6 a	28 - 71	25 - 55	1.5 - 08.5	0.5 - 5.5	0.00 - 1.75		0.0 - 5.0	28 - 71
6 - 12 a	33 - 74	22 - 51	1.5 - 08.5	0.5 - 5.5	0.00 - 1.75		0.0 - 5.0	33 - 74
12 - 15 a	36 - 77	20 - 47	1.5 - 08.5	0.5 - 5.5	0.00 - 1.75		0.0 - 5.0	36 - 77
15 - 18 a	39 - 77	20 - 44	1.5 - 09.0	0.5 - 5.5	0.00 - 1.75		0.0 - 5.0	39 - 77
>=18 a	42 - 77	20 - 44	2.0 - 09.5	0.5 - 5.5	0.00 - 1.75		0.0 - 5.0	42 - 77

Alter	Metamyelozyt	Myelozyten	Normoblasten
	G/l	G/l	G/l
0 - 2 d	0.00 - 0.60	0.00 - 0.30	0.10 - 1.30
2 - 4 d	0.00 - 0.30	0.00 - 0.15	0.00 - 0.50
4 - 7 d	0.00 - 0.00	0.00 - 0.00	0.00 - 0.10
>7 d	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
>=18a	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00

Alter	Plasmazellen
	G/l
2 - 4 a	0.0 - 0.1
4 - 6 a	0.0 - 0.1
6 - 12 a	0.0 - 0.1
12 - 15 a	0.0 - 0.1
15 - 18 a	0.0 - 0.1
>=18 a	0.0 - 0.1

	nur Marburg	nur Marburg	nur Marburg
Alter	Metamyelozyt	Myelozyten	Normoblasten
	%	%	%
0 - 2 d	0.0 - 2.0	0.0 - 1.0	0.5 - 06.5
2 - 4 d	0.0 - 1.0	0.0 - 0.5	0.0 - 02.0
4 - 7 d	0.0 - 0.0	0.0 - 0.0	0.0 - 00.5
>7 d	0.0 - 0.0	0.0 - 0.0	0.0 - 00.0
>=18a	0.0 - 0.0	0.0 - 0.0	0.0 - 00.0

	nur Marburg
Alter	Plasmazellen
	%
2 - 4 a	0.0-1.0
4 - 6 a	0.0-1.0
6 - 12 a	0.0-1.0
12 - 15 a	0.0-1.0
15 - 18 a	0.0-1.0
>=18 a	0.0-1.0

h=Stunden, d=Tage, m=Monate, a=Jahre, F=Frauen, M=Männer

Alter	Erythrozyten	Hämoglobin	Hämatokrit	MCV	MCHC	MCH
	T/l	g/l	l/l	fl	g/l	pg
0 - 3 d	4.10 - 6.25	142 - 217	0.440 - 0.660	96 - 124	295 - 360	31.5 - 39.5
3 - 14 d	3.90 - 6.05	132 - 202	0.410 - 0.640	91 - 124	290 - 355	30.0 - 39.0
14 - 30 d	3.50 - 5.50	107 - 172	0.310 - 0.540	86 - 118	290 - 350	27.5 - 36.5
1 - 2 m	3.10 - 4.75	94 - 146	0.280 - 0.435	80 - 111	290 - 350	26.0 - 35.0
2 - 6 m	3.30 - 4.75	97 - 134	0.290 - 0.405	76 - 103	295 - 350	24.5 - 33.0
6m - 2a	3.70 - 5.15	102 - 134	0.315 - 0.405	72 - 93	300 - 350	23.0 - 31.5
2 - 6 a	3.85 - 5.15	107 - 139	0.325 - 0.415	73 - 91	300 - 360	24.0 - 31.0
6 - 12 a	3.95 - 5.25	112 - 146	0.340 - 0.435	76 - 91	315 - 360	25.0 - 31.5
12 - 15 a M	4.10 - 5.55	125 - 160	0.365 - 0.475	78 - 93	315 - 360	26.0 - 32.5
12 - 15 a F	3.90 - 5.15	120 - 154	0.355 - 0.450	78 - 93	315 - 360	26.0 - 32.5
15 - 18 a M	4.20 - 5.65	130 - 166	0.380 - 0.490	79 - 96	315 - 360	26.5 - 33.0
15 - 18 a F	3.90 - 5.15	120 - 154	0.355 - 0.450	79 - 96	315 - 360	26.5 - 33.0
>=18a M	4.30 - 5.75	135 - 172	0.395 - 0.505	80 - 99	315 - 360	27.0 - 33.5
>=18 a F	3.90 - 5.15	120 - 154	0.355 - 0.450	80 - 99	315 - 360	27.0 - 33.5

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Alter	Retikulozyten G/l	Retikulozyten Promille
0 - 2 d	75 - 260	20 - 60
2 - 4 d	55 - 200	16 - 46
4 - 7 d	35 - 140	10 - 32
7 - 30 d	35 - 130	6 - 24
1 - 2 m	25 - 130	7 - 32
2 - 6 m	30 - 120	7 - 27
6 m - 2 a	25 - 110	5 - 24
2 - 6 a	30 - 100	5 - 22
6 - 18 a	30 - 105	5 - 21
>=18 a	25 - 105	5 - 20

Alter	Thrombozyten G/l
0 - 7 d	220 - 490
7 - 30 d	230 - 520
1 - 6 m	240 - 550
6 - 12 m	240 - 520
1 - 2 a	220 - 490
2 - 6 a	200 - 460
6 - 12 a	180 - 415
12 - 15 a	170 - 400
15 - 18 a	160 - 385
>=18 a	150 - 370