

HEMATOLOGY CONTROL

B55

FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC40319L-1



2019-07-27

ASSAY VALUES AND RANGES (Low Level)

Parameters	Units	BC-5500, BC-5200		BC-5300, BC-5100 BC-5380, BC-5180 BC-5300Vet, BC-5100Vet		BC-5800, BC-5600		BC-5390 CRP, BC-5180 CRP BC-5310 CRP, BC-5100 CRP		BC-5000, BC-5150, BC-5120, BC-5130, BC-5140, BC-5000Vet		BC-5390	
		Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges
WBC	×10 ⁹ /L	2.26	± 0.60	2.20	± 0.60	2.25	± 0.60	2.20	± 0.60	2.06	± 0.60	2.20	± 0.60
Neu#	×10 ⁹ /L	1.32	± 0.40	1.51	± 0.40	1.46	± 0.40	1.46	± 0.40	1.19	± 0.40	1.46	± 0.40
Lym#	×10 ⁹ /L	0.56	± 0.40	0.46	± 0.40	0.46	± 0.40	0.46	± 0.40	0.44	± 0.40	0.46	± 0.40
Mon#	×10 ⁹ /L	0.15	± 0.15	0.12	± 0.20	0.13	± 0.13	0.17	± 0.20	0.25	± 0.20	0.17	± 0.20
Eos#	×10 ⁹ /L	0.13	± 0.13	0.11	± 0.30	0.10	± 0.10	0.11	± 0.30	0.08	± 0.08	0.11	± 0.30
Bas#*	×10 ⁹ /L	0.10	± 0.10	1.31	± 0.50	0.10	± 0.10	0.61	± 0.50	0.10	± 0.10	0.61	± 0.50
Neu%	%	61.8	± 10.0	68.8	± 10.0	68.5	± 10.0	66.9	± 10.0	61.5	± 10.0	66.9	± 10.0
Lym%	%	24.6	± 10.0	21.1	± 10.0	20.3	± 10.0	20.8	± 10.0	21.3	± 10.0	20.8	± 10.0
Mon%	%	6.6	± 4.0	5.3	± 4.0	5.7	± 4.0	7.5	± 4.0	12.2	± 4.0	7.5	± 4.0
Eos%	%	5.6	± 5.6	4.8	± 6.0	4.5	± 4.5	4.8	± 6.0	4.0	± 4.0	4.8	± 6.0
Bas%*	%	1.4	± 1.4	59.7	± 6.0	1.0	± 1.0	27.6	± 6.0	1.0	± 1.0	27.6	± 6.0
RBC	×10 ¹² /L	2.20	± 0.25	2.06	± 0.25	2.20	± 0.25	2.09	± 0.25	2.12	± 0.25	2.09	± 0.25
HGB	g/L	68	± 4	67	± 4	68	± 4	66	± 4	65	± 4	66	± 4
HCT	%	19.0	± 3.5	19.2	± 3.5	20.0	± 3.5	18.7	± 3.5	20.1	± 3.5	18.7	± 3.5
MCV	fL	86.5	± 5.0	93.2	± 5.0	91.0	± 5.0	89.4	± 5.0	94.7	± 5.0	89.4	± 5.0
MCH	pg	30.9	± 3.0	32.5	± 3.0	30.9	± 3.0	31.6	± 3.0	30.7	± 3.0	31.6	± 3.0
MCHC	g/L	357	± 30	349	± 30	340	± 30	353	± 30	324	± 30	353	± 30
RDW-CV	%	10.9	± 4.0	12.9	± 4.0	12.7	± 4.0	13.0	± 4.0	15.0	± 4.0	13.0	± 4.0
RDW-SD	fL	27.8	± 7.0	50.9	± 7.0	44.3	± 7.0	42.3	± 7.0	52.2	± 7.0	42.3	± 7.0
PLT	×10 ⁹ /L	71	± 20	64	± 20	70	± 20	65	± 20	67	± 20	65	± 20
MPV	fL	9.6	± 4.0	9.7	± 4.0	9.1	± 4.0	10.0	± 4.0	10.9	± 4.0	12.5	± 4.0
PDW	/	14.3	± 4.0	14.3	± 4.0	14.3	± 4.0	14.2	± 4.0	14.0	± 4.0	14.2	± 4.0
PCT	%	0.068	± 0.068	0.062	± 0.080	0.064	± 0.064	0.065	± 0.080	0.073	± 0.073	0.065	± 0.080

*Bas# and Bas% are not applicable on BC-5300Vet and BC-5100Vet.

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FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC40319N-1



2019-07-27

ASSAY VALUES AND RANGES (Normal Level)

Parameters	Units	BC-5500, BC-5200		BC-5300, BC-5100 BC-5380, BC-5180 BC-5300Vet, BC-5100Vet		BC-5800, BC-5600		BC-5390 CRP, BC-5180 CRP BC-5310 CRP, BC-5100 CRP		BC-5000, BC-5150, BC-5120, BC-5130, BC-5140, BC-5000Vet		BC-5390	
		Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges
WBC	×10 ⁹ /L	8.25	± 1.00	7.99	± 1.00	8.18	± 1.00	7.87	± 1.00	7.53	± 1.00	7.87	± 1.00
Neu#	×10 ⁹ /L	5.21	± 0.80	5.39	± 0.80	5.58	± 0.80	5.37	± 0.80	4.66	± 0.80	5.37	± 0.80
Lym#	×10 ⁹ /L	2.00	± 0.70	1.75	± 0.70	1.66	± 0.70	1.61	± 0.70	1.61	± 0.70	1.61	± 0.70
Mon#	×10 ⁹ /L	0.57	± 0.40	0.44	± 0.40	0.47	± 0.40	0.51	± 0.40	0.87	± 0.40	0.51	± 0.40
Eos#	×10 ⁹ /L	0.37	± 0.37	0.41	± 0.60	0.37	± 0.37	0.38	± 0.60	0.29	± 0.29	0.38	± 0.60
Bas#*	×10 ⁹ /L	0.10	± 0.10	5.58	± 1.50	0.10	± 0.10	2.24	± 1.50	0.10	± 0.10	2.24	± 1.50
Neu%	%	63.2	± 9.0	67.5	± 9.0	68.4	± 9.0	68.2	± 9.0	62.2	± 9.0	68.2	± 9.0
Lym%	%	24.3	± 8.0	21.9	± 8.0	20.3	± 8.0	20.5	± 8.0	21.4	± 8.0	20.5	± 8.0
Mon%	%	6.9	± 4.0	5.5	± 4.0	5.8	± 4.0	6.5	± 4.0	11.5	± 4.0	6.5	± 4.0
Eos%	%	4.5	± 4.5	5.1	± 6.0	4.5	± 4.5	4.8	± 6.0	3.9	± 3.9	4.8	± 6.0
Bas%*	%	1.1	± 1.1	69.8	± 6.0	1.0	± 1.0	28.5	± 6.0	1.0	± 1.0	28.5	± 6.0
RBC	×10 ¹² /L	4.28	± 0.30	4.12	± 0.30	4.28	± 0.30	4.16	± 0.30	4.21	± 0.30	4.16	± 0.30
HGB	g/L	129	± 5	130	± 5	129	± 5	129	± 5	128	± 5	129	± 5
HCT	%	37.3	± 4.5	38.7	± 4.5	39.1	± 4.5	37.6	± 4.5	40.0	± 4.5	37.6	± 4.5
MCV	fL	87.1	± 5.0	94.0	± 5.0	91.4	± 5.0	90.5	± 5.0	94.9	± 5.0	90.5	± 5.0
MCH	pg	30.1	± 3.0	31.6	± 3.0	30.1	± 3.0	31.0	± 3.0	30.4	± 3.0	31.0	± 3.0
MCHC	g/L	346	± 40	336	± 40	330	± 40	343	± 40	320	± 40	343	± 40
RDW-CV	%	10.9	± 4.0	12.9	± 4.0	12.6	± 4.0	13.0	± 4.0	15.0	± 4.0	13.0	± 4.0
RDW-SD	fL	29.8	± 7.0	51.0	± 7.0	44.3	± 7.0	42.5	± 7.0	52.4	± 7.0	42.5	± 7.0
PLT	×10 ⁹ /L	223	± 30	208	± 30	225	± 30	216	± 30	215	± 30	216	± 30
MPV	fL	9.8	± 4.0	9.6	± 4.0	9.2	± 4.0	9.9	± 4.0	10.8	± 4.0	12.4	± 4.0
PDW	/	14.2	± 4.0	14.2	± 4.0	14.0	± 4.0	14.2	± 4.0	14.1	± 4.0	14.2	± 4.0
PCT	%	0.219	± 0.100	0.200	± 0.100	0.207	± 0.100	0.214	± 0.100	0.232	± 0.100	0.214	± 0.100

*Bas# and Bas% are not applicable on BC-5300Vet and BC-5100Vet.

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FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC40319H-1



2019-07-27

ASSAY VALUES AND RANGES (High Level)

Parameters	Units	BC-5500, BC-5200		BC-5300, BC-5100 BC-5380, BC-5180 BC-5300Vet, BC-5100Vet		BC-5800, BC-5600		BC-5390 CRP, BC-5180 CRP BC-5310 CRP, BC-5100 CRP		BC-5000, BC-5150, BC-5120, BC-5130, BC-5140, BC-5000Vet		BC-5390	
		Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges	Assay Values	Ranges
WBC	×10 ⁹ /L	18.93	± 2.00	18.24	± 2.00	19.07	± 2.00	17.72	± 2.00	17.01	± 2.00	17.72	± 2.00
Neu#	×10 ⁹ /L	11.51	± 1.50	11.78	± 1.50	12.31	± 1.50	11.54	± 1.50	10.19	± 1.50	11.54	± 1.50
Lym#	×10 ⁹ /L	5.07	± 1.00	4.40	± 1.00	4.42	± 1.00	4.00	± 1.00	4.12	± 1.00	4.00	± 1.00
Mon#	×10 ⁹ /L	1.36	± 0.60	1.26	± 0.60	1.37	± 0.60	1.42	± 0.60	2.02	± 0.60	1.42	± 0.60
Eos#	×10 ⁹ /L	0.78	± 0.78	0.80	± 1.00	0.78	± 0.78	0.76	± 1.00	0.58	± 0.58	0.76	± 1.00
Bas#*	×10 ⁹ /L	0.21	± 0.21	12.73	± 3.00	0.19	± 0.19	4.91	± 3.00	0.10	± 0.10	4.91	± 3.00
Neu%	%	60.8	± 8.0	64.6	± 8.0	64.5	± 8.0	65.1	± 8.0	59.5	± 8.0	65.1	± 8.0
Lym%	%	26.8	± 7.0	24.1	± 7.0	23.2	± 7.0	22.6	± 7.0	24.2	± 7.0	22.6	± 7.0
Mon%	%	7.2	± 4.0	6.9	± 4.0	7.2	± 4.0	8.0	± 4.0	11.9	± 4.0	8.0	± 4.0
Eos%	%	4.1	± 4.1	4.4	± 6.0	4.1	± 4.1	4.3	± 6.0	3.4	± 3.4	4.3	± 6.0
Bas%*	%	1.1	± 1.1	69.8	± 6.0	1.0	± 1.0	27.7	± 6.0	1.0	± 1.0	27.7	± 6.0
RBC	×10 ¹² /L	5.38	± 0.40	5.21	± 0.40	5.45	± 0.40	5.28	± 0.40	5.34	± 0.40	5.28	± 0.40
HGB	g/L	163	± 6	166	± 6	164	± 6	164	± 6	164	± 6	164	± 6
HCT	%	47.5	± 5.0	49.5	± 5.0	50.5	± 5.0	48.5	± 5.0	50.9	± 5.0	48.5	± 5.0
MCV	fL	88.3	± 5.0	95.1	± 5.0	92.6	± 5.0	91.9	± 5.0	95.3	± 5.0	91.9	± 5.0
MCH	pg	30.3	± 4.0	31.9	± 4.0	30.1	± 4.0	31.1	± 4.0	30.7	± 4.0	31.1	± 4.0
MCHC	g/L	343	± 50	335	± 50	325	± 50	338	± 50	322	± 50	338	± 50
RDW-CV	%	11.2	± 4.0	13.3	± 4.0	12.9	± 4.0	13.5	± 4.0	15.3	± 4.0	13.5	± 4.0
RDW-SD	fL	32.4	± 8.0	52.8	± 8.0	46.3	± 8.0	44.5	± 8.0	53.9	± 8.0	44.5	± 8.0
PLT	×10 ⁹ /L	553	± 50	540	± 50	560	± 50	562	± 50	555	± 50	562	± 50
MPV	fL	9.7	± 4.0	9.3	± 4.0	9.2	± 4.0	9.5	± 4.0	10.4	± 4.0	11.9	± 4.0
PDW	/	13.8	± 4.0	14.0	± 4.0	13.5	± 4.0	14.0	± 4.0	13.9	± 4.0	14.0	± 4.0
PCT	%	0.536	± 0.200	0.502	± 0.200	0.515	± 0.200	0.534	± 0.200	0.577	± 0.200	0.534	± 0.200

*Bas# and Bas% are not applicable on BC-5300Vet and BC-5100Vet.