

HEMATOLOGY CONTROL

B55

FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC40519L-1



2019-09-22

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	2.38	± 0.60	2.26	± 0.60	2.31	± 0.60	2.20	± 0.60	2.04	± 0.60	2.20	± 0.60
Neu#	×10 ⁹ /L	1.28	± 0.40	1.44	± 0.40	1.47	± 0.40	1.48	± 0.40	1.11	± 0.40	1.48	± 0.40
Lym#	×10 ⁹ /L	0.64	± 0.40	0.51	± 0.40	0.49	± 0.40	0.48	± 0.40	0.49	± 0.40	0.48	± 0.40
Mon#	×10 ⁹ /L	0.14	± 0.14	0.11	± 0.20	0.12	± 0.12	0.11	± 0.20	0.25	± 0.20	0.11	± 0.20
Eos#	×10 ⁹ /L	0.22	± 0.22	0.20	± 0.30	0.13	± 0.13	0.13	± 0.30	0.09	± 0.09	0.13	± 0.30
Bas#*	×10 ⁹ /L	0.10	± 0.10	1.29	± 0.50	0.10	± 0.10	0.57	± 0.50	0.10	± 0.10	0.57	± 0.50
Neu%	%	56.6	± 10.0	63.7	± 10.0	67.1	± 10.0	67.3	± 10.0	58.4	± 10.0	67.3	± 10.0
Lym%	%	27.1	± 10.0	22.4	± 10.0	21.2	± 10.0	21.8	± 10.0	24.2	± 10.0	21.8	± 10.0
Mon%	%	6.0	± 4.0	5.0	± 4.0	5.2	± 4.0	4.8	± 4.0	12.2	± 4.0	4.8	± 4.0
Eos%	%	9.2	± 6.0	8.9	± 6.0	5.5	± 5.5	6.1	± 6.0	4.2	± 4.2	6.1	± 6.0
Bas%*	%	1.1	± 1.1	57.1	± 6.0	1.0	± 1.0	26.1	± 6.0	1.0	± 1.0	26.1	± 6.0
RBC	×10 ¹² /L	2.22	± 0.25	2.07	± 0.25	2.18	± 0.25	2.10	± 0.25	2.14	± 0.25	2.10	± 0.25
HGB	g/L	69	± 4	67	± 4	69	± 4	67	± 4	66	± 4	67	± 4
HCT	%	19.3	± 3.5	19.2	± 3.5	19.9	± 3.5	18.8	± 3.5	20.4	± 3.5	18.8	± 3.5
MCV	fL	86.8	± 5.0	92.8	± 5.0	91.1	± 5.0	89.6	± 5.0	95.4	± 5.0	89.6	± 5.0
MCH	pg	31.1	± 3.0	32.4	± 3.0	31.7	± 3.0	31.9	± 3.0	30.8	± 3.0	31.9	± 3.0
MCHC	g/L	358	± 30	349	± 30	347	± 30	356	± 30	323	± 30	356	± 30
RDW-CV	%	11.0	± 4.0	13.0	± 4.0	12.7	± 4.0	13.0	± 4.0	15.0	± 4.0	13.0	± 4.0
RDW-SD	fL	28.7	± 7.0	51.3	± 7.0	44.5	± 7.0	42.6	± 7.0	52.7	± 7.0	42.6	± 7.0
PLT	×10 ⁹ /L	69	± 20	61	± 20	68	± 20	63	± 20	64	± 20	63	± 20
MPV	fL	8.4	± 4.0	8.7	± 4.0	8.1	± 4.0	9.0	± 4.0	9.9	± 4.0	11.3	± 4.0
PDW	/	14.3	± 4.0	14.2	± 4.0	14.1	± 4.0	14.2	± 4.0	14.1	± 4.0	14.2	± 4.0
PCT	%	0.058	± 0.058	0.053	± 0.080	0.055	± 0.055	0.057	± 0.080	0.063	± 0.063	0.057	± 0.080

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

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FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC40519N-1



2019-09-22

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	8.40	± 1.00	7.96	± 1.00	8.22	± 1.00	7.75	± 1.00	7.37	± 1.00	7.75	± 1.00
Neu#	×10 ⁹ /L	5.05	± 0.80	5.10	± 0.80	5.47	± 0.80	5.23	± 0.80	4.33	± 0.80	5.23	± 0.80
Lym#	×10 ⁹ /L	2.26	± 0.70	1.88	± 0.70	1.80	± 0.70	1.68	± 0.70	1.72	± 0.70	1.68	± 0.70
Mon#	×10 ⁹ /L	0.55	± 0.40	0.44	± 0.40	0.44	± 0.40	0.41	± 0.40	0.91	± 0.40	0.41	± 0.40
Eos#	×10 ⁹ /L	0.44	± 0.44	0.54	± 0.60	0.41	± 0.41	0.43	± 0.60	0.31	± 0.31	0.43	± 0.60
Bas#*	×10 ⁹ /L	0.10	± 0.10	5.26	± 1.50	0.10	± 0.10	2.09	± 1.50	0.10	± 0.10	2.09	± 1.50
Neu%	%	60.4	± 9.0	64.1	± 9.0	66.7	± 9.0	67.5	± 9.0	59.1	± 9.0	67.5	± 9.0
Lym%	%	26.9	± 8.0	23.6	± 8.0	21.9	± 8.0	21.7	± 8.0	23.3	± 8.0	21.7	± 8.0
Mon%	%	6.5	± 4.0	5.5	± 4.0	5.4	± 4.0	5.3	± 4.0	12.4	± 4.0	5.3	± 4.0
Eos%	%	5.2	± 5.2	6.8	± 6.0	5.0	± 5.0	5.5	± 6.0	4.2	± 4.2	5.5	± 6.0
Bas%*	%	1.0	± 1.0	66.1	± 6.0	1.0	± 1.0	27.0	± 6.0	1.0	± 1.0	27.0	± 6.0
RBC	×10 ¹² /L	4.37	± 0.30	4.14	± 0.30	4.32	± 0.30	4.22	± 0.30	4.28	± 0.30	4.22	± 0.30
HGB	g/L	132	± 5	131	± 5	130	± 5	130	± 5	131	± 5	130	± 5
HCT	%	38.0	± 4.5	38.7	± 4.5	39.4	± 4.5	38.1	± 4.5	40.6	± 4.5	38.1	± 4.5
MCV	fL	87.0	± 5.0	93.5	± 5.0	91.2	± 5.0	90.4	± 5.0	94.8	± 5.0	90.4	± 5.0
MCH	pg	30.2	± 3.0	31.6	± 3.0	30.1	± 3.0	30.8	± 3.0	30.6	± 3.0	30.8	± 3.0
MCHC	g/L	347	± 40	338	± 40	330	± 40	341	± 40	323	± 40	341	± 40
RDW-CV	%	10.7	± 4.0	12.7	± 4.0	12.4	± 4.0	12.8	± 4.0	14.7	± 4.0	12.8	± 4.0
RDW-SD	fL	30.1	± 7.0	50.2	± 7.0	43.5	± 7.0	41.7	± 7.0	51.4	± 7.0	41.7	± 7.0
PLT	×10 ⁹ /L	230	± 30	219	± 30	236	± 30	225	± 30	225	± 30	225	± 30
MPV	fL	8.6	± 4.0	8.4	± 4.0	8.2	± 4.0	8.7	± 4.0	9.5	± 4.0	10.9	± 4.0
PDW	/	13.9	± 4.0	14.0	± 4.0	13.7	± 4.0	14.0	± 4.0	14.1	± 4.0	14.0	± 4.0
PCT	%	0.198	± 0.100	0.184	± 0.100	0.194	± 0.100	0.196	± 0.100	0.214	± 0.100	0.196	± 0.100

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

HEMATOLOGY CONTROL

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FOR MINDRAY HEMATOLOGY ANALYZERS

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BC40519H-1



2019-09-22

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	19.54	± 2.00	17.30	± 2.00	19.43	± 2.00	17.06	± 2.00	16.79	± 2.00	17.06	± 2.00
Neu#	×10 ⁹ /L	11.49	± 1.50	10.88	± 1.50	12.48	± 1.50	10.88	± 1.50	10.09	± 1.50	10.88	± 1.50
Lym#	×10 ⁹ /L	5.37	± 1.00	4.41	± 1.00	4.64	± 1.00	4.21	± 1.00	4.13	± 1.00	4.21	± 1.00
Mon#	×10 ⁹ /L	1.50	± 0.60	0.90	± 0.60	1.19	± 0.60	1.07	± 0.60	1.80	± 0.60	1.07	± 0.60
Eos#	×10 ⁹ /L	0.98	± 0.98	1.11	± 1.00	0.93	± 0.93	0.90	± 1.00	0.67	± 0.67	0.90	± 1.00
Bas#*	×10 ⁹ /L	0.20	± 0.20	11.12	± 3.00	0.19	± 0.19	4.44	± 3.00	0.10	± 0.10	4.44	± 3.00
Neu%	%	58.8	± 8.0	62.9	± 8.0	64.2	± 8.0	63.7	± 8.0	59.7	± 8.0	63.7	± 8.0
Lym%	%	27.5	± 7.0	25.5	± 7.0	23.9	± 7.0	24.7	± 7.0	24.6	± 7.0	24.7	± 7.0
Mon%	%	7.7	± 4.0	5.2	± 4.0	6.1	± 4.0	6.3	± 4.0	10.7	± 4.0	6.3	± 4.0
Eos%	%	5.0	± 5.0	6.4	± 6.0	4.8	± 4.8	5.3	± 6.0	4.0	± 4.0	5.3	± 6.0
Bas%*	%	1.0	± 1.0	64.3	± 6.0	1.0	± 1.0	26.0	± 6.0	1.0	± 1.0	26.0	± 6.0
RBC	×10 ¹² /L	5.33	± 0.40	5.14	± 0.40	5.37	± 0.40	5.22	± 0.40	5.28	± 0.40	5.22	± 0.40
HGB	g/L	162	± 6	164	± 6	161	± 6	162	± 6	161	± 6	162	± 6
HCT	%	46.4	± 5.0	48.0	± 5.0	48.9	± 5.0	47.3	± 5.0	49.7	± 5.0	47.3	± 5.0
MCV	fL	87.0	± 5.0	93.3	± 5.0	91.0	± 5.0	90.6	± 5.0	94.1	± 5.0	90.6	± 5.0
MCH	pg	30.4	± 4.0	31.9	± 4.0	30.0	± 4.0	31.0	± 4.0	30.5	± 4.0	31.0	± 4.0
MCHC	g/L	349	± 50	342	± 50	329	± 50	343	± 50	324	± 50	343	± 50
RDW-CV	%	11.7	± 4.0	13.9	± 4.0	13.6	± 4.0	14.1	± 4.0	16.2	± 4.0	14.1	± 4.0
RDW-SD	fL	33.6	± 8.0	54.6	± 8.0	47.9	± 8.0	46.0	± 8.0	56.6	± 8.0	46.0	± 8.0
PLT	×10 ⁹ /L	554	± 50	545	± 50	564	± 50	559	± 50	558	± 50	559	± 50
MPV	fL	8.2	± 4.0	7.9	± 4.0	7.9	± 4.0	8.1	± 4.0	9.0	± 4.0	10.1	± 4.0
PDW	/	14.1	± 4.0	14.2	± 4.0	13.8	± 4.0	14.2	± 4.0	14.4	± 4.0	14.2	± 4.0
PCT	%	0.454	± 0.200	0.431	± 0.200	0.446	± 0.200	0.453	± 0.200	0.502	± 0.200	0.453	± 0.200

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