

# BC-RET


## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

 ME0125A



 2025-03-10

Instrument	Parameter	Low		Normal		High	
		LOT	ME0125A-1	LOT	ME0125A-2	LOT	ME0125A-3
BC-6800,BC-6600	Ret# $\times 10^{12}/L$	0.0559	$\pm 0.0450$	0.1800	$\pm 0.0720$	0.1775	$\pm 0.0534$
QC Mode	Ret%	0.97	$\pm 0.78$	4.00	$\pm 1.60$	7.62	$\pm 2.29$
	IRF %	8.0	$\pm 15.0$	8.9	$\pm 13.0$	7.6	$\pm 25.0$
	LFR %	92.0	$\pm 15.0$	91.1	$\pm 10.0$	92.4	$\pm 25.0$
	MFR %	6.8	$\pm 12.0$	7.9	$\pm 10.0$	6.4	$\pm 22.0$
	HFR %	1.2	$\pm 3.0$	1.0	$\pm 3.0$	1.2	$\pm 3.0$
	RHE pg	23.3	$\pm 10.0$	21.6	$\pm 10.0$	20.1	$\pm 10.0$
	IPF %	8.5	$\pm 3.5$	8.5	$\pm 3.5$	8.5	$\pm 3.5$
	PLT-O* $\times 10^9/L$	133	$\pm 40$	303	$\pm 60$	591	$\pm 120$
	RBC-O* $\times 10^{12}/L$	5.57	$\pm 0.80$	4.37	$\pm 0.60$	2.24	$\pm 0.25$
BC-6200	Ret# $\times 10^{12}/L$	0.0634	$\pm 0.0509$	0.1922	$\pm 0.0767$	0.1861	$\pm 0.0560$
BC-6000Plus	Ret%	1.06	$\pm 0.85$	4.16	$\pm 1.66$	7.82	$\pm 2.35$
BC-6100Plus	IRF %	12.6	$\pm 15.0$	13.5	$\pm 13.0$	8.4	$\pm 25.0$
QC Mode	LFR %	87.4	$\pm 15.0$	86.5	$\pm 10.0$	91.6	$\pm 25.0$
	MFR %	11.2	$\pm 12.0$	11.9	$\pm 10.0$	5.3	$\pm 22.0$
	HFR %	1.4	$\pm 3.0$	1.6	$\pm 3.0$	3.1	$\pm 3.0$
	RHE pg	23.8	$\pm 10.0$	22.4	$\pm 10.0$	20.3	$\pm 10.0$
	IPF %	4.6	$\pm 3.5$	4.6	$\pm 3.5$	4.6	$\pm 3.5$
	PLT-O $\times 10^9/L$	120	$\pm 40$	278	$\pm 60$	538	$\pm 120$
	RBC-O* $\times 10^{12}/L$	5.69	$\pm 0.80$	4.42	$\pm 0.60$	2.24	$\pm 0.25$
	MCVr fL	116.1	$\pm 15.0$	113.0	$\pm 14.0$	103.1	$\pm 13.5$
	MCHr pg	32.0	$\pm 4.7$	31.1	$\pm 4.5$	28.4	$\pm 4.2$
	HDW g/L	24.8	$\pm 9.3$	24.8	$\pm 9.5$	25.2	$\pm 13.5$
	DELTA-CH pg	6.9	$\pm 3.7$	6.6	$\pm 3.7$	6.0	$\pm 3.7$
	HYPO-CH%	2.1	$\pm 4.0$	2.2	$\pm 9.5$	2.2	$\pm 19.0$
	HYPER-CH%	4.4	$\pm 7.4$	4.5	$\pm 4.4$	4.6	$\pm 3.5$
	MCHm pg	25.1	$\pm 5.0$	24.5	$\pm 5.0$	22.4	$\pm 5.0$
	IPF# $\times 10^9/L$	4.8	$\pm 8.0$	12.0	$\pm 15.0$	24.1	$\pm 30.0$
BC-6800Plus	Ret# $\times 10^{12}/L$	0.0641	$\pm 0.0513$	0.1811	$\pm 0.0727$	0.1732	$\pm 0.0520$
BC-6700Plus	Ret%	1.10	$\pm 0.88$	3.99	$\pm 1.60$	7.40	$\pm 2.22$
BC-6600Plus	IRF %	12.8	$\pm 15.0$	13.0	$\pm 13.0$	7.2	$\pm 25.0$
QC Mode	LFR %	87.2	$\pm 15.0$	87.0	$\pm 10.0$	92.8	$\pm 25.0$
	MFR %	11.3	$\pm 12.0$	11.1	$\pm 10.0$	3.5	$\pm 22.0$
	HFR %	1.5	$\pm 3.0$	1.9	$\pm 3.0$	3.7	$\pm 3.0$
	RHE pg	25.2	$\pm 10.0$	23.2	$\pm 10.0$	20.8	$\pm 10.0$
	IPF %	4.7	$\pm 3.5$	4.7	$\pm 3.5$	4.6	$\pm 3.5$
	PLT-O $\times 10^9/L$	121	$\pm 40$	287	$\pm 60$	602	$\pm 120$
	RBC-O* $\times 10^{12}/L$	5.55	$\pm 0.80$	4.40	$\pm 0.60$	2.34	$\pm 0.25$
	MCVr fL	119.6	$\pm 15.0$	116.2	$\pm 14.0$	104.9	$\pm 13.5$
	MCHr pg	33.1	$\pm 4.7$	32.0	$\pm 4.5$	28.9	$\pm 4.2$
	HDW g/L	24.9	$\pm 9.3$	25.0	$\pm 9.5$	25.2	$\pm 13.5$
	DELTA-CH pg	7.1	$\pm 3.7$	6.8	$\pm 3.7$	6.1	$\pm 3.7$
	HYPO-CH%	2.1	$\pm 4.0$	2.1	$\pm 9.5$	2.2	$\pm 19.0$
	HYPER-CH%	4.5	$\pm 7.4$	4.7	$\pm 4.4$	4.6	$\pm 3.5$
	MCHm pg	25.9	$\pm 5.0$	25.2	$\pm 5.0$	22.8	$\pm 5.0$
	IPF# $\times 10^9/L$	4.7	$\pm 8.0$	11.3	$\pm 15.0$	21.7	$\pm 30.0$


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Instrument	Parameter	Low		Normal		High	
		LOT	ME0125A-1	LOT	ME0125A-2	LOT	ME0125A-3
BC-7500[R] CRP	Ret# ×10 <sup>12</sup> /L	0.0713	± 0.0571	0.1915	± 0.0768	0.1796	± 0.0539
BC-7500[NR] CRP	Ret%	1.20	± 0.96	4.19	± 1.68	7.81	± 2.34
BC-7300[R] CRP	IRF %	10.9	± 15.0	11.3	± 13.0	7.2	± 25.0
BC-7300[NR] CRP	LFR %	89.1	± 15.0	88.7	± 10.0	92.8	± 25.0
BC-7500[R] CS	MFR %	9.6	± 12.0	9.7	± 10.0	3.9	± 22.0
BC-7500[NR] CS	HFR %	1.3	± 3.0	1.6	± 3.0	3.3	± 3.0
QC Mode	RHE pg	24.5	± 10.0	22.5	± 10.0	20.2	± 10.0
	IPF %	4.6	± 3.5	4.7	± 3.5	4.6	± 3.5
	PLT-O* ×10 <sup>9</sup> /L	121	± 40	284	± 60	548	± 120
	RBC-O* ×10 <sup>12</sup> /L	5.75	± 0.80	4.45	± 0.60	2.23	± 0.25
BC-700[R]	Ret# ×10 <sup>12</sup> /L	0.0764	± 0.0610	0.2143	± 0.0860	0.1899	± 0.0571
BC-720[R]	Ret%	1.29	± 1.03	4.69	± 1.88	8.15	± 2.45
BC-760[R]	IRF %	12.0	± 15.0	12.9	± 13.0	9.6	± 25.0
BC-780[R]	LFR %	88.0	± 15.0	87.1	± 10.0	90.4	± 25.0
BC-700[R] CS	MFR %	10.7	± 12.0	11.5	± 10.0	7.0	± 22.0
BC-760[R] CS	HFR %	1.3	± 3.0	1.4	± 3.0	2.6	± 3.0
QC Mode	RHE pg	24.6	± 10.0	22.5	± 10.0	19.6	± 10.0
	IPF %	7.5	± 3.5	7.6	± 3.5	7.6	± 3.5
	PLT-O ×10 <sup>9</sup> /L	119	± 40	294	± 60	603	± 120
	RBC-O* ×10 <sup>12</sup> /L	5.83	± 0.80	4.54	± 0.60	2.36	± 0.25

\*Research use only.  
Before using, refer to the instruction sheet for mixing directions.



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