

CBC-X

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT 24030801, 24030802, 24030803



2024-05-05

QCP DATA MONTHS: **MARCH, APRIL**

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	Parameters	LOW		NORMAL		HIGH	
		LOT 24030801		LOT 24030802		LOT 24030803	
		Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range	Assay Mean ± Limit	Expected Range
MINDRAY BC-6800, BC-8600PLUS, BC-6200 QC Mode	WBC (10 ⁹ /L)	3.85 ± 0.70	3.15 - 4.55	7.40 ± 1.00	6.40 - 8.40	20.00 ± 2.50	17.50 - 22.50
	Neu # (10 ⁹ /L)	2.58 ± 0.39	2.19 - 2.97	4.44 ± 0.59	3.85 - 5.03	13.00 ± 1.60	11.40 - 14.60
	Lym # (10 ⁹ /L)	0.50 ± 0.31	0.19 - 0.81	1.74 ± 0.52	1.22 - 2.26	3.80 ± 1.40	2.40 - 5.20
	Mon # (10 ⁹ /L)	0.10 ± 0.10	0.00 - 0.20	0.19 ± 0.19	0.00 - 0.38	0.50 ± 0.50	0.00 - 1.00
	Eos # (10 ⁹ /L)	0.62 ± 0.39	0.23 - 1.01	0.93 ± 0.67	0.26 - 1.60	2.40 ± 1.60	0.80 - 4.00
	Bas # (10 ⁹ /L)	0.06 ± 0.20	-0.14 - 0.26	0.11 ± 0.37	-0.26 - 0.48	0.30 ± 1.00	-0.70 - 1.30
	Neu %	67.0 ± 10.0	57.0 - 77.0	60.0 ± 8.0	52.0 - 68.0	65.0 ± 8.0	57.0 - 73.0
	Lym %	13.0 ± 8.0	5.0 - 21.0	23.5 ± 7.0	16.5 - 30.5	19.0 ± 7.0	12.0 - 26.0
	Mon %	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0	2.5 ± 2.5	0.0 - 5.0
	Eos %	16.0 ± 10.0	6.0 - 26.0	12.5 ± 9.0	3.5 - 21.5	12.0 ± 8.0	4.0 - 20.0
	Bas %	1.5 ± 5.0	-3.5 - 6.5	1.5 ± 5.0	-3.5 - 6.5	1.5 ± 5.0	-3.5 - 6.5
	RBC (10 ¹² /L)	2.31 ± 0.18	2.13 - 2.49	4.53 ± 0.24	4.29 - 4.77	5.70 ± 0.30	5.40 - 6.00
	HGB (g/dL)	6.0 ± 0.4	5.6 - 6.4	13.4 ± 0.6	12.8 - 14.0	17.7 ± 0.8	16.9 - 18.5
	HCT (%)	18.9 ± 2.0	16.9 - 20.9	42.4 ± 2.5	39.9 - 44.9	56.4 ± 3.0	53.4 - 59.4
	MCV (fL)	82.0 ± 5.0	77.0 - 87.0	93.5 ± 5.0	88.5 - 98.5	99.0 ± 5.0	94.0 - 104.0
	MCH (pg)	26.0 ± 2.5	23.5 - 28.5	29.6 ± 2.5	27.1 - 32.1	31.1 ± 2.5	28.6 - 33.6
	MCHC (g/dL)	31.7 ± 3.0	28.7 - 34.7	31.6 ± 3.0	28.6 - 34.6	31.4 ± 3.0	28.4 - 34.4
	RDW-CV (%)	17.0 ± 3.0	14.0 - 20.0	14.5 ± 3.0	11.5 - 17.5	14.5 ± 3.0	11.5 - 17.5
	RDW-SD (fL)	50.5 ± 6.0	44.5 - 56.5	50.0 ± 6.0	44.0 - 56.0	51.5 ± 8.0	43.5 - 59.5
	PLT (10 ⁹ /L)	49 ± 20	29 - 69	226 ± 40	186 - 266	414 ± 60	354 - 474
	MPV (fL)	9.9 ± 3.0	6.9 - 12.9	10.0 ± 3.0	7.0 - 13.0	11.0 ± 3.0	8.0 - 14.0
	PDW	16.5 ± 3.0	13.5 - 19.5	16.5 ± 3.0	13.5 - 19.5	16.5 ± 3.0	13.5 - 19.5
	PCT (%)	0.050 ± 0.050	0.000 - 0.100	0.225 ± 0.100	0.125 - 0.325	0.460 ± 0.200	0.260 - 0.660
	P-LCR (%)	29.5 ± 10.0	19.5 - 39.5	27.0 ± 10.0	17.0 - 37.0	35.0 ± 10.0	25.0 - 45.0
	P-LCC (10 ⁹ /L)	14 ± 8	6 - 22	61 ± 24	37 - 85	145 ± 50	95 - 195
	IMG # (10 ⁹ /L)	0.19 ± 0.19	0.00 - 0.38	0.37 ± 0.37	0.00 - 0.74	1.00 ± 1.00	0.00 - 2.00
	IMG%	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0
	IPF (%)	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0	5.0 ± 5.0	0.0 - 10.0
	The parameters with assay values listed below are provided to allow for quality control testing of your instrument only. These parameters are defined by the FDA as "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES".						
	PLT-O (10 ⁹ /L)	41 ± 20	21 - 61	163 ± 40	123 - 203	291 ± 60	231 - 351

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