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e-CHECK™ (XE)

HEMATOLOGY CONTROL FOR SYSMEX XT-1800*i* and XT-2000*i* SERIES ANALYZERS

OPEN MODE ASSAY

Expiration Date: 2010-08-16	Quality Control Data Due Date #1: 5-Jul-10	Quality Control Data Due Date #2: 16-Aug-10

Lot Number:	01460810	01460811	01460812
Control:	L1:Level 1	L2:Level 2	L3:Level 3

	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
O	RBC (10^{12}/L)	2.29	2.20 - 2.38	4.37	4.24 - 4.50	5.31	5.15 - 5.47
	HGB (g/dL)	5.7	5.5 - 5.9	12.0	11.6 - 12.4	16.2	15.7 - 16.7
	HCT (%)	17.8	16.9 - 18.7	36.0	34.4 - 37.6	47.7	45.6 - 49.8
	MCV (fL)	77.2	71.0 - 85.0	82.2	76.4 - 88.7	89.5	83.3 - 96.8
	MCH (pg)	25.0	23.0 - 27.0	27.6	25.9 - 29.2	30.5	28.7 - 32.4
	MCHC (g/dL)	32.5	29.3 - 35.1	33.8	30.9 - 36.0	34.4	31.5 - 36.6
	PLT (10^9/L)	56	34 - 78	220	196 - 244	516	470 - 562
	RDW-SD (fL)	45.0	40.5 - 49.5	45.6	41.0 - 50.2	46.4	41.8 - 51.0
	RDW-CV (%)	16.4	14.8 - 18.0	15.7	14.1 - 17.3	15.1	13.6 - 16.6
	MPV (fL)	8.9	8.2 - 9.6	9.4	8.8 - 10.0	9.6	9.0 - 10.2
P	WBC (10^9/L)	2.97	2.67 - 3.27	7.07	6.65 - 7.49	18.03	16.95 - 19.11
	NEUT%	45.6	36.5 - 54.7	48.9	41.6 - 56.2	53.0	45.1 - 61.0
	LYMPH%	33.4	20.0 - 46.8	29.1	23.3 - 34.9	23.9	19.1 - 28.7
	MONO%	11.4	2.3 - 20.5	11.8	7.1 - 16.5	12.1	8.5 - 15.7
	EO%	9.6	6.7 - 12.5	10.2	7.1 - 13.3	11.0	8.3 - 13.8
	BASO%	62.8	44.0 - 81.6	66.8	46.8 - 86.8	75.6	56.7 - 94.5
E	NEUT# (10^9/L)	1.36	1.09 - 1.63	3.46	2.94 - 3.98	9.56	8.13 - 10.99
	LYMPH# (10^9/L)	0.99	0.59 - 1.39	2.06	1.65 - 2.47	4.31	3.45 - 5.17
	MONO# (10^9/L)	0.34	0.07 - 0.61	0.83	0.33 - 1.33	2.17	1.30 - 3.04
	EO# (10^9/L)	0.29	0.20 - 0.38	0.72	0.50 - 0.94	1.98	1.49 - 2.48
N	BASO# (10^9/L)	1.87	1.31 - 2.43	4.72	3.30 - 6.14	13.63	10.22 - 17.04
	PLT-O (10^9/L)	51	28 - 74	206	175 - 237	529	450 - 608
	RET# (10^{12}/L)	0.1619	0.1133 - 0.2105	0.1122	0.0785 - 0.1459	0.0523	0.0366 - 0.0680
	RET%	7.08	4.96 - 9.20	2.57	1.80 - 3.34	0.99	0.69 - 1.29
	IRF (%)	39.7	19.7 - 59.7	36.7	16.7 - 56.7	29.2	9.2 - 49.2
	IG #[a]	0.35	0.32 - 0.39	0.92	0.69 - 1.15	2.39	1.67 - 3.11
	IG %[a]	12.2	8.5 - 15.9	13.2	9.9 - 16.5	12.7	7.6 - 17.8
	RET-He (pg)[b]	23.9	16.7 - 31.1	24.1	18.1 - 30.1	24.9	14.9 - 34.9

[a] IG values are only available with the Sysmex XT-Series IG Master software.

[b] RET-HE values are only available with the Sysmex XT-Series RET Master software.

Sysmex recommends that laboratories establish their own Q.C. Target Values for each new lot number by collecting at least 10 data points per control level over 5 days. The mean Q.C. Target Values from this data collection should be inside the Expected Ranges. These Expected Ranges represent estimates of interlaboratory variation and are not included for use as the laboratory's internal Q.C. file limits. Sysmex recommends that each laboratory establish its own Q.C. file limits based on the laboratory's historical coefficient of variation. See your Sysmex Training Manual for more information on establishing Q.C. file limits.

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HEMATOLOGY CONTROL FOR SYSMEX XT-1800*i* and XT-2000*i* SERIES ANALYZERS

CLOSED MODE ASSAY

Expiration Date: 2010-08-16	Quality Control Data Due Date #1: 5-Jul-10	Quality Control Data Due Date #2: 16-Aug-10

Lot Number:	01460810	01460811	01460812
Control:	L1:Level 1	L2:Level 2	L3:Level 3

	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
C L O S E D	RBC (10^{12}/L)	2.29	2.15 - 2.43	4.37	4.15 - 4.59	5.31	5.04 - 5.58
	HGB (g/dL)	5.7	5.4 - 6.0	12.0	11.4 - 12.6	16.2	15.4 - 17.0
	HCT (%)	17.8	16.6 - 19.0	36.0	33.8 - 38.2	47.7	44.8 - 50.6
	MCV (fL)	77.2	68.2 - 88.5	82.2	73.7 - 91.9	89.5	80.4 - 100.2
	MCH (pg)	25.0	22.1 - 28.1	27.6	24.8 - 30.4	30.5	27.6 - 33.7
	MCHC (g/dL)	32.5	28.1 - 36.5	33.8	29.9 - 37.2	34.4	30.4 - 37.9
	PLT (10^9/L)	55	27 - 82	211	180 - 243	480	408 - 552
	RDW-SD (fL)	45.0	40.5 - 49.5	45.6	41.0 - 50.2	46.4	41.8 - 51.0
	RDW-CV (%)	16.4	14.8 - 18.0	15.7	14.1 - 17.3	15.1	13.6 - 16.6
	MPV (fL)	8.9	8.2 - 9.6	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10^9/L)	2.88	2.45 - 3.31	6.72	6.11 - 7.32	17.67	16.26 - 19.08
	NEUT%	45.3	36.2 - 54.4	49.3	41.9 - 56.7	52.5	44.6 - 60.4
	LYMPH%	33.3	20.0 - 46.7	28.8	23.1 - 34.6	24.4	19.5 - 29.3
	MONO%	11.8	2.4 - 21.2	11.6	7.0 - 16.3	11.9	8.3 - 15.5
	EO%	9.6	6.7 - 12.4	10.3	7.2 - 13.4	11.2	8.4 - 14.0
	BASO%	63.6	44.5 - 82.7	65.4	45.7 - 85.0	74.1	55.5 - 92.6
	NEUT# (10^9/L)	1.31	1.04 - 1.57	3.31	2.81 - 3.81	9.27	7.88 - 10.67
	LYMPH# (10^9/L)	0.96	0.58 - 1.34	1.94	1.55 - 2.32	4.31	3.45 - 5.17
	MONO# (10^9/L)	0.34	0.07 - 0.61	0.78	0.31 - 1.25	2.10	1.26 - 2.95
	EO# (10^9/L)	0.28	0.19 - 0.36	0.69	0.48 - 0.90	1.98	1.49 - 2.48
	BASO# (10^9/L)	1.83	1.28 - 2.38	4.39	3.07 - 5.71	13.08	9.81 - 16.36
	PLT-O (10^9/L)	48	27 - 70	202	172 - 232	518	441 - 596
	RET# (10^{12}/L)	0.1619	0.1133 - 0.2105	0.1122	0.0785 - 0.1459	0.0523	0.0366 - 0.0680
	RET%	7.08	4.96 - 9.20	2.57	1.80 - 3.34	0.99	0.69 - 1.29
	IRF (%)	39.7	19.7 - 59.7	36.7	16.7 - 56.7	29.2	9.2 - 49.2
	IG #[a]	0.35	0.32 - 0.39	0.92	0.69 - 1.15	2.39	1.67 - 3.11
	IG %[a]	12.2	8.5 - 15.9	13.2	9.9 - 16.5	12.7	7.6 - 17.8
	RET-He (pg)[b]	23.9	16.7 - 31.1	24.1	18.1 - 30.1	24.9	14.9 - 34.9

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