



e-CHECK™ (XE)

**HEMATOLOGY CONTROL FOR SYSMEX XT-SERIES
OPEN MODE ASSAY**

Expiration Date: 2008-08-18		Quality Control Data Due Date #1: 7-Jul-08			Quality Control Data Due Date #2: 18-Aug-08		
Lot Number:		81490810		81490811		81490812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
OPEN	RBC (10 ¹² /L)	2.29	2.20 - 2.39	4.31	4.18 - 4.44	5.21	5.06 - 5.37
	HGB (g/dL)	6.0	5.8 - 6.2	12.8	12.4 - 13.2	16.5	16.0 - 17.0
	HCT (%)	18.1	17.2 - 19.0	37.5	35.8 - 39.2	47.6	45.5 - 49.8
	MCV (fL)	78.9	72.1 - 86.3	87.0	80.7 - 93.7	91.4	84.7 - 98.5
	MCH (pg)	26.1	24.1 - 28.3	29.7	28.0 - 31.6	31.7	29.8 - 33.6
	MCHC (g/dL)	33.0	30.3 - 36.3	34.1	31.7 - 36.8	34.7	32.1 - 37.3
	PLT (10 ⁹ /L)	55	33 - 76	206	184 - 229	499	454 - 543
	RDW-SD (fL)	42.0	37.8 - 46.2	43.0	38.7 - 47.3	43.6	39.2 - 48.0
	RDW-CV (%)	14.9	13.4 - 16.4	14.0	12.6 - 15.4	13.7	12.3 - 15.1
	MPV (fL)	9.5	8.8 - 10.3	10.9	10.2 - 11.5	10.3	9.6 - 10.9
	WBC (10 ⁹ /L)	2.92	2.62 - 3.21	7.59	7.13 - 8.04	16.76	15.75 - 17.76
	NEUT%	43.5	34.8 - 52.3	48.0	40.8 - 55.2	51.3	43.6 - 59.0
	LYMPH%	35.6	21.4 - 49.8	31.2	25.0 - 37.4	26.5	21.2 - 31.8
	MONO%	11.5	2.3 - 20.6	10.7	6.4 - 15.0	11.2	7.8 - 14.6
	EO%	9.1	6.4 - 11.8	10.0	7.0 - 13.0	10.9	8.2 - 13.6
	BASO%	62.1	43.5 - 80.7	66.9	46.8 - 87.0	74.6	55.9 - 93.2
	NEUT# (10 ⁹ /L)	1.26	1.01 - 1.52	3.65	3.10 - 4.19	8.62	7.32 - 9.91
	LYMPH# (10 ⁹ /L)	1.04	0.62 - 1.46	2.36	1.89 - 2.83	4.43	3.55 - 5.32
	MONO# (10 ⁹ /L)	0.34	0.07 - 0.61	0.81	0.32 - 1.30	1.88	1.13 - 2.63
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.76	0.53 - 0.98	1.82	1.37 - 2.28
BASO# (10 ⁹ /L)	1.81	1.27 - 2.35	5.05	3.54 - 6.57	12.50	9.37 - 15.62	
PLT-O (10 ⁹ /L)	48	26 - 69	194	165 - 223	511	434 - 587	
RET# (10 ¹² /L)	0.1687	0.1181 - 0.2194	0.1148	0.0804 - 0.1492	0.0539	0.0377 - 0.0700	
RET%	7.35	5.14 - 9.55	2.67	1.87 - 3.47	1.03	0.72 - 1.33	
IRF (%)	24.9	4.9 - 44.9	22.9	2.9 - 42.9	18.9	0.0 - 38.9	

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.



**HEMATOLOGY CONTROL FOR SYSMEX XT-SERIES
CLOSED MODE ASSAY**

Expiration Date: 2008-08-18		Quality Control Data Due Date #1: 7-Jul-08				Quality Control Data Due Date #2: 18-Aug-08			
Lot Number:		81490810		81490811		81490812			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE		
CLOSED	RBC (10 ¹² /L)	2.29	2.16 - 2.43	4.31	4.09 - 4.52	5.21	4.95 - 5.47		
	HGB (g/dL)	6.0	5.6 - 6.4	12.8	12.2 - 13.4	16.5	15.7 - 17.3		
	HCT (%)	18.1	16.8 - 19.4	37.5	35.2 - 39.7	47.6	44.8 - 50.5		
	MCV (fL)	78.9	69.3 - 89.9	87.0	77.9 - 97.1	91.4	81.8 - 102.0		
	MCH (pg)	26.1	23.2 - 29.5	29.7	26.9 - 32.9	31.7	28.6 - 34.9		
	MCHC (g/dL)	33.0	29.1 - 37.8	34.1	30.6 - 38.2	34.7	31.0 - 38.6		
	PLT (10 ⁹ /L)	53	27 - 80	198	168 - 228	464	394 - 533		
	RDW-SD (fL)	42.0	37.8 - 46.2	43.0	38.7 - 47.3	43.6	39.2 - 48.0		
	RDW-CV (%)	14.9	13.4 - 16.4	14.0	12.6 - 15.4	13.7	12.3 - 15.1		
	MPV (fL)	9.5	8.8 - 10.3	10.9	10.2 - 11.5	10.3	9.6 - 10.9		
	WBC (10 ⁹ /L)	2.83	2.40 - 3.25	7.21	6.56 - 7.86	16.42	15.11 - 17.74		
	NEUT%	43.4	34.7 - 52.1	48.6	41.3 - 55.9	50.8	43.2 - 58.4		
	LYMPH%	35.7	21.4 - 50.0	30.8	24.6 - 36.9	27.0	21.6 - 32.4		
	MONO%	11.9	2.4 - 21.5	10.6	6.3 - 14.8	11.1	7.8 - 14.4		
	EO%	9.0	6.3 - 11.7	10.1	7.1 - 13.1	11.1	8.3 - 13.9		
	BASO%	62.7	43.9 - 81.5	65.2	45.6 - 84.8	73.1	54.8 - 91.3		
	NEUT# (10 ⁹ /L)	1.23	0.98 - 1.47	3.50	2.98 - 4.03	8.34	7.09 - 9.59		
	LYMPH# (10 ⁹ /L)	1.01	0.61 - 1.41	2.22	1.77 - 2.66	4.43	3.55 - 5.32		
	MONO# (10 ⁹ /L)	0.34	0.07 - 0.61	0.76	0.31 - 1.22	1.82	1.09 - 2.55		
	EO# (10 ⁹ /L)	0.25	0.18 - 0.33	0.73	0.51 - 0.94	1.82	1.37 - 2.28		
BASO# (10 ⁹ /L)	1.77	1.24 - 2.30	4.70	3.29 - 6.11	12.00	9.00 - 15.00			
PLT-O (10 ⁹ /L)	45	23 - 68	190	162 - 219	501	425 - 576			
RET# (10 ¹² /L)	0.1687	0.1181 - 0.2194	0.1148	0.0804 - 0.1492	0.0539	0.0377 - 0.0700			
RET%	7.35	5.14 - 9.55	2.67	1.87 - 3.47	1.03	0.72 - 1.33			
IRF (%)	24.9	4.9 - 44.9	22.9	2.9 - 42.9	18.9	0.0 - 38.9			

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.