



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

Expiration Date: 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10					
Lot Number:		01730801		01730802		01730803				
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)	2.30	2.21	- 2.39	4.32	4.19	- 4.45	5.26	5.10	- 5.42
	HGB (g/dL)	5.8	5.6	- 6.0	11.8	11.4	- 12.2	16.1	15.6	- 16.6
	HCT (%)	17.8	16.9	- 18.7	34.9	33.3	- 36.5	46.4	44.3	- 48.5
	MCV (fL)	77.5	70.7	- 84.6	80.8	74.9	- 87.0	88.3	81.8	- 95.0
	MCH (pg)	25.1	23.3	- 27.3	27.4	25.7	- 29.0	30.6	28.8	- 32.5
	MCHC (g/dL)	32.5	29.8	- 35.7	33.9	31.4	- 36.5	34.6	32.2	- 37.4
	PLT (10 ⁹ /L)	57	34	- 80	222	198	- 246	514	468	- 560
	RDW-SD (fL)	46.9	42.2	- 51.6	46.0	41.4	- 50.6	45.8	41.2	- 50.4
	RDW-CV (%)	16.9	15.2	- 18.6	16.1	14.5	- 17.7	15.1	13.6	- 16.6
	MPV (fL)	9.2	8.5	- 9.9	9.7	9.1	- 10.3	10.0	9.4	- 10.6
	WBC (10 ⁹ /L)	2.86	2.57	- 3.15	6.91	6.50	- 7.32	16.77	15.76	- 17.78
	NEUT%	47.0	37.6	- 56.4	48.2	41.0	- 55.4	52.4	44.5	- 60.3
	LYMPH%	32.9	19.7	- 46.1	29.9	23.9	- 35.9	24.6	19.7	- 29.5
	MONO%	10.6	2.1	- 19.1	12.2	7.3	- 17.1	11.5	8.1	- 15.0
	EO%	9.5	6.7	- 12.4	9.8	6.9	- 12.7	11.6	8.7	- 14.5
	BASO%	65.4	45.8	- 85.0	69.4	48.6	- 90.2	77.9	58.4	- 97.4
	NEUT# (10 ⁹ /L)	1.35	1.08	- 1.62	3.33	2.83	- 3.83	8.79	7.47	- 10.11
	LYMPH# (10 ⁹ /L)	0.94	0.56	- 1.32	2.07	1.66	- 2.48	4.12	3.30	- 4.94
	MONO# (10 ⁹ /L)	0.30	0.06	- 0.54	0.84	0.50	- 1.18	1.92	1.15	- 2.69
	EO# (10 ⁹ /L)	0.27	0.19	- 0.35	0.68	0.48	- 0.88	1.94	1.46	- 2.43
BASO# (10 ⁹ /L)	1.87	1.31	- 2.43	4.79	3.35	- 6.23	13.07	9.80	- 16.34	
PLT-O (10 ⁹ /L)	55	30	- 80	213	181	- 245	542	461	- 623	
RET# (10 ¹² /L)	0.1501	0.1051	- 0.1951	0.0981	0.0687	- 0.1275	0.0511	0.0358	- 0.0664	
RET%	6.53	4.57	- 8.49	2.27	1.59	- 2.95	0.97	0.68	- 1.26	
IRF (%)	34.6	14.6	- 54.6	30.0	10.0	- 50.0	22.6	2.6	- 42.6	
IG # ^a	0.35	0.32	- 0.39	0.90	0.68	- 1.13	1.58	1.11	- 2.05	
IG % ^a	12.68	8.88	- 16.48	13.23	9.92	- 16.54	8.99	5.39	- 12.59	
RET-He (pg) ^b	25.9	18.1	- 33.7	25.8	19.4	- 32.3	26.2	15.7	- 36.7	

^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.



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

Expiration Date: 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10					
Lot Number:		01730801		01730802		01730803				
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)	2.30	2.16	- 2.44	4.32	4.10	- 4.54	5.26	5.00	- 5.52
	HGB (g/dL)	5.8	5.5	- 6.1	11.8	11.2	- 12.4	16.1	15.3	- 16.9
	HCT (%)	17.8	16.6	- 19.0	34.9	32.8	- 37.0	46.4	43.6	- 49.2
	MCV (fL)	77.5	67.9	- 88.1	80.8	72.3	- 90.1	88.3	79.0	- 98.4
	MCH (pg)	25.1	22.4	- 28.4	27.4	24.7	- 30.2	30.6	27.7	- 33.8
	MCHC (g/dL)	32.5	28.6	- 37.1	33.9	30.3	- 37.8	34.6	31.1	- 38.8
	PLT (10 ⁹ /L)	56	28	- 84	213	181	- 245	478	406	- 550
	RDW-SD (fL)	46.9	42.2	- 51.6	46.0	41.4	- 50.6	45.8	41.2	- 50.4
	RDW-CV (%)	16.9	15.2	- 18.6	16.1	14.5	- 17.7	15.1	13.6	- 16.6
	MPV (fL)	9.2	8.5	- 9.9	9.7	9.1	- 10.3	10.0	9.4	- 10.6
	WBC (10 ⁹ /L)	2.77	2.36	- 3.19	6.56	5.97	- 7.16	16.43	15.12	- 17.75
	NEUT%	47.1	37.7	- 56.5	48.4	41.1	- 55.6	51.8	44.0	- 59.6
	LYMPH%	32.9	19.7	- 46.0	29.6	23.7	- 35.6	25.1	20.1	- 30.1
	MONO%	10.8	2.2	- 19.5	12.0	7.2	- 16.8	11.3	7.9	- 14.7
	EO%	9.2	6.5	- 12.0	9.9	7.0	- 12.9	11.8	8.9	- 14.8
	BASO%	66.1	46.2	- 85.9	67.9	47.5	- 88.2	76.3	57.3	- 95.4
	NEUT# (10 ⁹ /L)	1.31	1.04	- 1.57	3.18	2.70	- 3.65	8.51	7.24	- 9.79
	LYMPH# (10 ⁹ /L)	0.91	0.55	- 1.28	1.95	1.56	- 2.33	4.12	3.30	- 4.94
	MONO# (10 ⁹ /L)	0.30	0.06	- 0.54	0.79	0.32	- 1.26	1.86	1.12	- 2.61
	EO# (10 ⁹ /L)	0.26	0.18	- 0.33	0.65	0.46	- 0.85	1.94	1.46	- 2.43
	BASO# (10 ⁹ /L)	1.83	1.28	- 2.38	4.45	3.12	- 5.79	12.55	9.41	- 15.68
	PLT-O (10 ⁹ /L)	52	26	- 78	209	177	- 240	531	451	- 611
	RET# (10 ¹² /L)	0.1501	0.1051	- 0.1951	0.0981	0.0687	- 0.1275	0.0511	0.0358	- 0.0664
	RET%	6.53	4.57	- 8.49	2.27	1.59	- 2.95	0.97	0.68	- 1.26
	IRF (%)	34.6	14.6	- 54.6	30.0	10.0	- 50.0	22.6	2.6	- 42.6
	IG # ^a	0.35	0.32	- 0.39	0.90	0.68	- 1.13	1.58	1.11	- 2.05
	IG % ^a	12.68	8.88	- 16.48	13.23	9.92	- 16.54	8.99	5.39	- 12.59
	RET-He (pg) ^b	25.9	18.1	- 33.7	25.8	19.4	- 32.3	26.2	15.7	- 36.7

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