



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

Expiration Date 2010-03-29		Quality Control Data Due Date #1: 15-Feb-10			Quality Control Data Due Date #2: 29-Mar-10				
Lot Number:		00050801		00050802		00050803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
O P E N	RBC (10 ¹² /L)	2.28	2.19 - 2.37	4.34	4.21 - 4.47	5.27	5.11 - 5.43		
	HGB (g/dL)	5.6	5.4 - 5.8	12.0	11.6 - 12.4	15.9	15.4 - 16.4		
	HCT (%)	17.4	16.5 - 18.3	35.9	34.3 - 37.5	46.8	44.7 - 48.9		
	MCV (fL)	76.6	69.7 - 83.5	82.9	76.7 - 89.1	88.8	82.3 - 95.7		
	MCH (pg)	24.6	22.7 - 26.6	27.7	26.0 - 29.4	30.2	28.4 - 32.0		
	MCHC (g/dL)	32.2	29.4 - 35.2	33.4	31.0 - 36.1	34.0	31.5 - 36.6		
	PLT (10 ⁹ /L)	57	34 - 80	220	196 - 244	514	468 - 560		
	RDW-SD (fL)	47.9	43.1 - 52.7	45.9	41.3 - 50.5	45.4	40.9 - 49.9		
	RDW-CV (%)	17.5	15.8 - 19.3	15.7	14.1 - 17.3	14.9	13.4 - 16.4		
	MPV (fL)	9.1	8.4 - 9.8	9.5	8.9 - 10.1	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	2.82	2.54 - 3.10	6.94	6.52 - 7.36	16.50	15.51 - 17.49		
	NEUT%	45.0	36.0 - 54.0	49.1	41.7 - 56.5	52.5	44.6 - 60.4		
	LYMPH%	33.1	19.9 - 46.3	29.6	23.7 - 35.5	24.7	19.8 - 29.6		
	MONO%	12.5	2.5 - 22.5	11.3	6.8 - 15.8	11.8	8.3 - 15.3		
	EO%	9.4	6.6 - 12.2	9.9	6.9 - 12.9	11.0	8.3 - 13.8		
	BASO%	64.4	45.1 - 83.7	68.9	48.2 - 89.6	77.2	57.9 - 96.5		
	NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.41	2.90 - 3.92	8.67	7.37 - 9.97		
	LYMPH# (10 ⁹ /L)	0.93	0.56 - 1.30	2.06	1.65 - 2.47	4.08	3.26 - 4.90		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.79	0.47 - 1.11	1.95	1.17 - 2.73		
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.69	0.48 - 0.90	1.81	1.36 - 2.26		
	BASO# (10 ⁹ /L)	1.81	1.27 - 2.35	4.78	3.35 - 6.21	12.75	9.56 - 15.94		
	PLT-O (10 ⁹ /L)	52	29 - 75	208	177 - 239	528	449 - 607		
	RET# (10 ¹² /L)	0.1533	0.1073 - 0.1993	0.1045	0.0732 - 0.1359	0.0495	0.0347 - 0.0644		
	RET%	6.73	4.71 - 8.75	2.41	1.69 - 3.13	0.94	0.66 - 1.22		
	IRF (%)	31.9	11.9 - 51.9	28.3	8.3 - 48.3	23.5	3.5 - 43.5		
	IG # ^a	0.33	0.30 - 0.36	0.91	0.68 - 1.14	2.45	1.72 - 3.19		
	IG % ^a	12.17	8.52 - 15.82	13.24	9.93 - 16.55	14.21	8.53 - 19.89		
	RET-He (pg) ^b	23.5	16.5 - 30.6	23.8	17.9 - 29.8	24.6	14.8 - 34.4		

^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 2010-03-29		Quality Control Data Due Date #1: 15-Feb-10			Quality Control Data Due Date #2: 29-Mar-10				
Lot Number:		00050801		00050802		00050803			
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)	2.28	2.14 - 2.42	4.34	4.12 - 4.56	5.27	5.01 - 5.53		
	HGB (g/dL)	5.6	5.3 - 5.9	12.0	11.4 - 12.6	15.9	15.1 - 16.7		
	HCT (%)	17.4	16.2 - 18.6	35.9	33.7 - 38.1	46.8	44.0 - 49.6		
	MCV (fL)	76.6	67.0 - 86.9	82.9	74.1 - 92.3	88.8	79.5 - 99.1		
	MCH (pg)	24.6	21.8 - 27.7	27.7	25.0 - 30.6	30.2	27.3 - 33.3		
	MCHC (g/dL)	32.2	28.3 - 36.7	33.4	30.0 - 37.3	34.0	30.4 - 38.0		
	PLT (10 ⁹ /L)	56	28 - 84	211	180 - 243	478	406 - 550		
	RDW-SD (fL)	47.9	43.1 - 52.7	45.9	41.3 - 50.5	45.4	40.9 - 49.9		
	RDW-CV (%)	17.5	15.8 - 19.3	15.7	14.1 - 17.3	14.9	13.4 - 16.4		
	MPV (fL)	9.1	8.4 - 9.8	9.5	8.9 - 10.1	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	2.74	2.33 - 3.15	6.59	6.00 - 7.19	16.17	14.88 - 17.46		
	NEUT%	44.8	35.9 - 53.8	49.3	41.9 - 56.7	51.9	44.1 - 59.7		
	LYMPH%	33.0	19.8 - 46.2	29.4	23.5 - 35.2	25.2	20.2 - 30.3		
	MONO%	12.8	2.6 - 23.0	11.3	6.8 - 15.8	11.7	8.2 - 15.2		
	EO%	9.4	6.6 - 12.2	10.0	7.0 - 13.1	11.2	8.4 - 14.0		
	BASO%	64.8	45.4 - 84.3	67.4	47.2 - 87.7	75.7	56.8 - 94.6		
	NEUT# (10 ⁹ /L)	1.23	0.98 - 1.47	3.25	2.76 - 3.74	8.39	7.13 - 9.65		
	LYMPH# (10 ⁹ /L)	0.90	0.54 - 1.26	1.94	1.55 - 2.32	4.08	3.26 - 4.90		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.74	0.30 - 1.19	1.89	1.13 - 2.65		
	EO# (10 ⁹ /L)	0.26	0.18 - 0.33	0.66	0.46 - 0.86	1.81	1.36 - 2.26		
	BASO# (10 ⁹ /L)	1.77	1.24 - 2.31	4.45	3.11 - 5.78	12.24	9.18 - 15.30		
	PLT-O (10 ⁹ /L)	49	25 - 74	204	173 - 234	517	440 - 595		
	RET# (10 ¹² /L)	0.1533	0.1073 - 0.1993	0.1045	0.0732 - 0.1359	0.0495	0.0347 - 0.0644		
	RET%	6.73	4.71 - 8.75	2.41	1.69 - 3.13	0.94	0.66 - 1.22		
	IRF (%)	31.9	11.9 - 51.9	28.3	8.3 - 48.3	23.5	3.5 - 43.5		
	IG # ^a	0.33	0.30 - 0.36	0.91	0.68 - 1.14	2.45	1.72 - 3.19		
	IG % ^a	12.17	8.52 - 15.82	13.24	9.93 - 16.55	14.21	8.53 - 19.89		
	RET-He (pg) ^b	23.5	16.5 - 30.6	23.8	17.9 - 29.8	24.6	14.8 - 34.4		

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