



**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:		00060801		00060802		00060803			
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)	2.24	2.15 - 2.33	4.28	4.15 - 4.41	5.28	5.12 - 5.44		
	HGB (g/dL)	5.6	5.4 - 5.8	12.2	11.8 - 12.6	16.0	15.5 - 16.5		
	HCT (%)	17.3	16.4 - 18.2	36.2	34.6 - 37.8	46.5	44.4 - 48.6		
	MCV (fL)	77.2	70.5 - 84.5	84.5	78.4 - 91.1	88.1	81.7 - 94.9		
	MCH (pg)	24.8	23.1 - 27.1	28.5	26.8 - 30.3	30.2	28.5 - 32.2		
	MCHC (g/dL)	32.1	29.6 - 35.4	33.8	31.3 - 36.3	34.3	31.9 - 37.1		
	PLT (10 ⁹ /L)	56	34 - 78	215	191 - 239	511	465 - 557		
	RDW-SD (fL)	46.3	41.7 - 50.9	46.1	41.5 - 50.7	45.9	41.3 - 50.5		
	RDW-CV (%)	16.9	15.2 - 18.6	15.5	14.0 - 17.1	15.2	13.7 - 16.7		
	MPV (fL)	9.3	8.6 - 10.0	9.8	9.2 - 10.4	10.0	9.4 - 10.6		
	WBC (10 ⁹ /L)	2.82	2.54 - 3.10	6.92	6.50 - 7.34	16.23	15.26 - 17.20		
	NEUT%	44.2	35.4 - 53.0	47.9	40.7 - 55.1	52.9	45.0 - 60.8		
	LYMPH%	34.2	20.5 - 47.9	29.7	23.8 - 35.6	23.8	19.0 - 28.6		
	MONO%	12.4	2.5 - 22.3	11.9	7.1 - 16.7	12.5	8.8 - 16.3		
	EO%	9.1	6.4 - 11.8	10.5	7.4 - 13.7	10.8	8.1 - 13.5		
	BASO%	63.5	44.5 - 82.6	68.9	48.2 - 89.6	77.9	58.4 - 97.4		
	NEUT# (10 ⁹ /L)	1.25	1.00 - 1.50	3.32	2.82 - 3.82	8.59	7.30 - 9.88		
	LYMPH# (10 ⁹ /L)	0.97	0.58 - 1.36	2.06	1.65 - 2.47	3.87	3.10 - 4.64		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.82	0.49 - 1.15	2.03	1.22 - 2.84		
	EO# (10 ⁹ /L)	0.26	0.18 - 0.34	0.73	0.51 - 0.95	1.75	1.31 - 2.19		
	BASO# (10 ⁹ /L)	1.79	1.25 - 2.33	4.77	3.34 - 6.20	12.65	9.49 - 15.81		
	PLT-O (10 ⁹ /L)	53	29 - 77	204	173 - 235	521	443 - 599		
	RET# (10 ¹² /L)	0.1547	0.1083 - 0.2011	0.1174	0.0822 - 0.1526	0.0546	0.0382 - 0.0710		
	RET%	6.89	4.82 - 8.96	2.74	1.92 - 3.56	1.03	0.72 - 1.34		
	IRF (%)	35.6	15.6 - 55.6	30.8	10.8 - 50.8	26.9	6.9 - 46.9		
	IG # ^a	0.33	0.30 - 0.36	0.90	0.68 - 1.13	2.10	1.47 - 2.73		
	IG % ^a	11.95	8.37 - 15.54	13.21	9.91 - 16.51	12.36	7.42 - 17.30		
	RET-He (pg) ^b	23.3	16.3 - 30.3	23.6	17.7 - 29.5	24.3	14.6 - 34.0		

^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:		00060801		00060802		00060803			
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 M O D E	RBC (10 ¹² /L)	2.24	2.11 - 2.37	4.28	4.07 - 4.49	5.28	5.02 - 5.54		
	HGB (g/dL)	5.6	5.3 - 5.9	12.2	11.6 - 12.8	16.0	15.2 - 16.8		
	HCT (%)	17.3	16.1 - 18.5	36.2	34.0 - 38.4	46.5	43.7 - 49.3		
	MCV (fL)	77.2	67.8 - 87.9	84.5	75.7 - 94.4	88.1	78.8 - 98.3		
	MCH (pg)	24.8	22.2 - 28.2	28.5	25.8 - 31.5	30.2	27.4 - 33.5		
	MCHC (g/dL)	32.1	28.4 - 36.9	33.8	30.2 - 37.6	34.3	30.8 - 38.4		
	PLT (10 ⁹ /L)	55	27 - 82	206	175 - 237	475	404 - 547		
	RDW-SD (fL)	46.3	41.7 - 50.9	46.1	41.5 - 50.7	45.9	41.3 - 50.5		
	RDW-CV (%)	16.9	15.2 - 18.6	15.5	14.0 - 17.1	15.2	13.7 - 16.7		
	MPV (fL)	9.3	8.6 - 10.0	9.8	9.2 - 10.4	10.0	9.4 - 10.6		
	WBC (10 ⁹ /L)	2.74	2.33 - 3.15	6.57	5.98 - 7.17	15.91	14.63 - 17.18		
	NEUT%	43.8	35.0 - 52.5	48.2	40.9 - 55.4	52.3	44.4 - 60.1		
	LYMPH%	34.4	20.6 - 48.2	29.5	23.6 - 35.3	24.3	19.5 - 29.2		
	MONO%	12.8	2.6 - 23.0	11.7	7.0 - 16.4	12.4	8.7 - 16.1		
	EO%	9.0	6.3 - 11.7	10.7	7.5 - 13.9	11.0	8.3 - 13.8		
	BASO%	64.1	44.9 - 83.4	67.5	47.2 - 87.7	76.4	57.3 - 95.4		
	NEUT# (10 ⁹ /L)	1.20	0.96 - 1.44	3.17	2.69 - 3.64	8.32	7.07 - 9.56		
	LYMPH# (10 ⁹ /L)	0.94	0.56 - 1.32	1.94	1.55 - 2.32	3.87	3.10 - 4.64		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.77	0.31 - 1.23	1.97	1.18 - 2.76		
	EO# (10 ⁹ /L)	0.25	0.17 - 0.32	0.70	0.49 - 0.91	1.75	1.31 - 2.19		
	BASO# (10 ⁹ /L)	1.75	1.23 - 2.28	4.44	3.11 - 5.77	12.14	9.11 - 15.18		
	PLT-O (10 ⁹ /L)	50	25 - 76	200	170 - 230	511	434 - 587		
	RET# (10 ¹² /L)	0.1547	0.1083 - 0.2011	0.1174	0.0822 - 0.1526	0.0546	0.0382 - 0.0710		
	RET%	6.89	4.82 - 8.96	2.74	1.92 - 3.56	1.03	0.72 - 1.34		
	IRF (%)	35.6	15.6 - 55.6	30.8	10.8 - 50.8	26.9	6.9 - 46.9		
	IG # ^a	0.33	0.30 - 0.36	0.90	0.68 - 1.13	2.10	1.47 - 2.73		
	IG % ^a	11.95	8.37 - 15.54	13.21	9.91 - 16.51	12.36	7.42 - 17.30		
	RET-He (pg) ^b	23.3	16.3 - 30.3	23.6	17.7 - 29.5	24.3	14.6 - 34.0		

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