



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

Expiration Date 2010-07-19		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10				
Lot Number:		01180801		01180802		01180803			
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)	2.30	2.21 - 2.39	4.36	4.23 - 4.49	5.34	5.18 - 5.50		
	HGB (g/dL)	5.7	5.5 - 5.9	12.1	11.7 - 12.5	16.1	15.6 - 16.6		
	HCT (%)	17.6	16.7 - 18.5	35.8	34.2 - 37.4	47.1	45.0 - 49.2		
	MCV (fL)	76.7	69.9 - 83.7	82.3	76.1 - 88.5	88.2	81.8 - 95.0		
	MCH (pg)	24.8	22.9 - 26.8	27.8	26.1 - 29.5	30.2	28.4 - 32.0		
	MCHC (g/dL)	32.3	29.6 - 35.5	33.8	31.4 - 36.5	34.3	31.7 - 36.9		
	PLT (10 ⁹ /L)	57	34 - 80	215	191 - 239	509	463 - 555		
	RDW-SD (fL)	45.1	40.6 - 49.6	44.1	39.7 - 48.5	46.0	41.4 - 50.6		
	RDW-CV (%)	16.5	14.9 - 18.2	15.3	13.8 - 16.8	15.2	13.7 - 16.7		
	MPV (fL)	9.0	8.3 - 9.7	9.4	8.8 - 10.0	9.6	9.0 - 10.2		
	WBC (10 ⁹ /L)	2.83	2.55 - 3.11	7.05	6.63 - 7.47	16.91	15.90 - 17.92		
	NEUT%	45.0	36.0 - 54.0	47.4	40.3 - 54.5	52.5	44.6 - 60.4		
	LYMPH%	31.9	19.1 - 44.7	30.3	24.2 - 36.4	24.7	19.8 - 29.6		
	MONO%	13.8	2.8 - 24.8	12.1	7.3 - 16.9	11.8	8.3 - 15.3		
	EO%	9.3	6.5 - 12.1	10.1	7.1 - 13.1	11.0	8.3 - 13.8		
	BASO%	63.6	44.5 - 82.7	68.9	48.2 - 89.6	77.8	58.4 - 97.3		
	NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.35	2.85 - 3.85	8.88	7.55 - 10.21		
	LYMPH# (10 ⁹ /L)	0.90	0.54 - 1.26	2.14	1.71 - 2.57	4.18	3.34 - 5.02		
	MONO# (10 ⁹ /L)	0.39	0.08 - 0.70	0.86	0.52 - 1.20	2.00	1.20 - 2.80		
	EO# (10 ⁹ /L)	0.26	0.18 - 0.34	0.71	0.50 - 0.92	1.85	1.39 - 2.31		
	BASO# (10 ⁹ /L)	1.80	1.26 - 2.34	4.86	3.40 - 6.32	13.16	9.87 - 16.45		
	PLT-O (10 ⁹ /L)	52	29 - 75	207	176 - 238	537	456 - 618		
	RET# (10 ¹² /L)	0.1573	0.1101 - 0.2045	0.0954	0.0668 - 0.1240	0.0488	0.0342 - 0.0634		
	RET%	6.84	4.79 - 8.89	2.19	1.53 - 2.85	0.91	0.64 - 1.18		
	IRF (%)	37.6	17.6 - 57.6	33.3	13.3 - 53.3	26.5	6.5 - 46.5		
	IG # ^a	0.33	0.30 - 0.36	0.90	0.68 - 1.13	2.39	1.67 - 3.11		
	IG % ^a	12.03	8.42 - 15.64	12.86	9.65 - 16.08	13.50	8.10 - 18.90		
	RET-He (pg) ^b	24.7	17.3 - 32.1	24.8	18.6 - 31.0	25.2	15.1 - 35.3		

^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 2010-07-19		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10				
Lot Number:		01180801		01180802		01180803			
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)	2.30	2.16 - 2.44	4.36	4.14 - 4.58	5.34	5.07 - 5.61		
	HGB (g/dL)	5.7	5.4 - 6.0	12.1	11.5 - 12.7	16.1	15.3 - 16.9		
	HCT (%)	17.6	16.4 - 18.8	35.8	33.7 - 37.9	47.1	44.3 - 49.9		
	MCV (fL)	76.7	67.1 - 87.1	82.3	73.5 - 91.6	88.2	79.0 - 98.4		
	MCH (pg)	24.8	22.0 - 27.9	27.8	25.1 - 30.7	30.2	27.3 - 33.3		
	MCHC (g/dL)	32.3	28.5 - 36.9	33.8	30.3 - 37.8	34.3	30.6 - 38.2		
	PLT (10 ⁹ /L)	56	28 - 84	206	175 - 237	473	402 - 544		
	RDW-SD (fL)	45.1	40.6 - 49.6	44.1	39.7 - 48.5	46.0	41.4 - 50.6		
	RDW-CV (%)	16.5	14.9 - 18.2	15.3	13.8 - 16.8	15.2	13.7 - 16.7		
	MPV (fL)	9.0	8.3 - 9.7	9.4	8.8 - 10.0	9.6	9.0 - 10.2		
	WBC (10 ⁹ /L)	2.75	2.33 - 3.16	6.70	6.09 - 7.30	16.57	15.25 - 17.90		
	NEUT%	45.0	36.0 - 54.0	47.7	40.6 - 54.9	51.9	44.1 - 59.7		
	LYMPH%	31.8	19.1 - 44.5	30.0	24.0 - 36.0	25.2	20.2 - 30.3		
	MONO%	14.2	2.8 - 25.6	12.1	7.2 - 16.9	11.7	8.2 - 15.2		
	EO%	9.0	6.3 - 11.7	10.2	7.1 - 13.2	11.2	8.4 - 14.0		
	BASO%	64.3	45.0 - 83.5	67.5	47.2 - 87.7	76.2	57.2 - 95.3		
	NEUT# (10 ⁹ /L)	1.24	0.99 - 1.48	3.20	2.72 - 3.68	8.60	7.31 - 9.89		
	LYMPH# (10 ⁹ /L)	0.87	0.52 - 1.22	2.01	1.61 - 2.41	4.18	3.34 - 5.02		
	MONO# (10 ⁹ /L)	0.39	0.08 - 0.70	0.81	0.32 - 1.29	1.94	1.16 - 2.72		
	EO# (10 ⁹ /L)	0.25	0.17 - 0.32	0.68	0.48 - 0.89	1.85	1.39 - 2.31		
	BASO# (10 ⁹ /L)	1.76	1.23 - 2.29	4.52	3.16 - 5.88	12.63	9.48 - 15.79		
	PLT-O (10 ⁹ /L)	49	25 - 74	203	172 - 233	526	447 - 605		
	RET# (10 ¹² /L)	0.1573	0.1101 - 0.2045	0.0954	0.0668 - 0.1240	0.0488	0.0342 - 0.0634		
	RET%	6.84	4.79 - 8.89	2.19	1.53 - 2.85	0.91	0.64 - 1.18		
	IRF (%)	37.6	17.6 - 57.6	33.3	13.3 - 53.3	26.5	6.5 - 46.5		
	IG # ^a	0.33	0.30 - 0.36	0.90	0.68 - 1.13	2.39	1.67 - 3.11		
IG % ^a	12.03	8.42 - 15.64	12.86	9.65 - 16.08	13.50	8.10 - 18.90			
RET-He (pg) ^b	24.7	17.3 - 32.1	24.8	18.6 - 31.0	25.2	15.1 - 35.3			

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