



**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:		01740801		01740802		01740803				
Control:		L1:Level 1		L2:Level 2		L3:Level 3				
OPEN	PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
	RBC (10 ¹² /L)	2.32	2.23	- 2.41	4.35	4.22	- 4.48	5.30	5.14	- 5.46
	HGB (g/dL)	5.7	5.5	- 5.9	11.9	11.5	- 12.3	15.9	15.4	- 16.4
	HCT (%)	17.6	16.7	- 18.5	35.0	33.4	- 36.6	45.9	43.8	- 48.0
	MCV (fL)	76.0	69.3	- 83.0	80.4	74.6	- 86.7	86.6	80.3	- 93.3
	MCH (pg)	24.6	22.7	- 26.6	27.3	25.8	- 29.0	30.0	28.3	- 31.9
	MCHC (g/dL)	32.4	29.6	- 35.5	33.9	31.6	- 36.7	34.6	32.2	- 37.4
	PLT (10 ⁹ /L)	60	36	- 84	221	197	- 245	516	470	- 562
	RDW-SD (fL)	46.4	41.8	- 51.0	44.3	39.9	- 48.7	45.0	40.5	- 49.5
	RDW-CV (%)	17.1	15.4	- 18.8	15.6	14.0	- 17.2	15.0	13.5	- 16.5
	MPV (fL)	9.4	8.6	- 10.2	9.9	9.3	- 10.5	10.2	9.6	- 10.8
	WBC (10 ⁹ /L)	2.94	2.65	- 3.23	7.06	6.64	- 7.48	17.31	16.27	- 18.35
	NEUT%	44.7	35.8	- 53.6	48.9	41.6	- 56.2	53.3	45.3	- 61.3
	LYMPH%	33.9	20.3	- 47.5	29.3	23.4	- 35.2	23.9	19.1	- 28.7
	MONO%	11.6	2.3	- 20.9	11.6	7.0	- 16.2	12.2	8.5	- 15.9
	EO%	9.9	6.9	- 12.9	10.2	7.1	- 13.3	10.6	8.0	- 13.3
	BASO%	62.9	44.0	- 81.8	69.8	48.9	- 90.7	78.5	58.9	- 98.1
	NEUT# (10 ⁹ /L)	1.32	1.06	- 1.58	3.45	2.93	- 3.97	9.23	7.85	- 10.61
	LYMPH# (10 ⁹ /L)	1.00	0.60	- 1.40	2.07	1.66	- 2.48	4.13	3.30	- 4.96
	MONO# (10 ⁹ /L)	0.34	0.07	- 0.61	0.82	0.49	- 1.15	2.11	1.27	- 2.95
EO# (10 ⁹ /L)	0.29	0.20	- 0.38	0.72	0.50	- 0.94	1.84	1.38	- 2.30	
BASO# (10 ⁹ /L)	1.85	1.30	- 2.41	4.92	3.44	- 6.40	13.58	10.19	- 16.98	
PLT-O (10 ⁹ /L)	54	30	- 78	210	179	- 242	539	458	- 620	
RET# (10 ¹² /L)	0.1697	0.1188	- 0.2206	0.1000	0.0700	- 0.1300	0.0527	0.0369	- 0.0685	
RET%	7.32	5.12	- 9.52	2.30	1.61	- 2.99	1.00	0.70	- 1.30	
IRF (%)	32.4	12.4	- 52.4	27.2	7.2	- 47.2	23.4	3.4	- 43.4	
IG # ^a	0.35	0.32	- 0.39	0.94	0.71	- 1.18	2.12	1.48	- 2.76	
IG % ^a	12.18	8.53	- 15.83	13.49	10.12	- 16.86	11.70	7.02	- 16.38	
RET-He (pg) ^b	25.0	17.5	- 32.5	25.1	18.8	- 31.4	25.5	15.3	- 35.7	

^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**

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Lot Number:		01740801		01740802		01740803				
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)	2.32	2.18	- 2.46	4.35	4.13	- 4.57	5.30	5.04	- 5.57
	HGB (g/dL)	5.7	5.4	- 6.0	11.9	11.3	- 12.5	15.9	15.1	- 16.7
	HCT (%)	17.6	16.4	- 18.8	35.0	32.9	- 37.1	45.9	43.1	- 48.7
	MCV (fL)	76.0	66.6	- 86.4	80.4	72.0	- 89.8	86.6	77.5	- 96.6
	MCH (pg)	24.6	21.8	- 27.7	27.3	24.8	- 30.2	30.0	27.1	- 33.2
	MCHC (g/dL)	32.4	28.5	- 36.9	33.9	30.5	- 38.0	34.6	31.0	- 38.7
	PLT (10 ⁹ /L)	59	29	- 88	212	180	- 244	480	408	- 552
	RDW-SD (fL)	46.4	41.8	- 51.0	44.3	39.9	- 48.7	45.0	40.5	- 49.5
	RDW-CV (%)	17.1	15.4	- 18.8	15.6	14.0	- 17.2	15.0	13.5	- 16.5
	MPV (fL)	9.4	8.6	- 10.2	9.9	9.3	- 10.5	10.2	9.6	- 10.8
	WBC (10 ⁹ /L)	2.85	2.42	- 3.28	6.71	6.10	- 7.31	16.96	15.61	- 18.32
	NEUT%	44.4	35.5	- 53.3	49.2	41.8	- 56.6	52.7	44.8	- 60.7
	LYMPH%	34.0	20.4	- 47.6	29.0	23.2	- 34.8	24.3	19.5	- 29.2
	MONO%	11.9	2.4	- 21.5	11.5	6.9	- 16.1	12.1	8.4	- 15.7
	EO%	9.7	6.8	- 12.6	10.3	7.2	- 13.4	10.8	8.1	- 13.6
	BASO%	63.6	44.5	- 82.6	68.2	47.8	- 88.7	76.9	57.6	- 96.1
	NEUT# (10 ⁹ /L)	1.27	1.01	- 1.52	3.30	2.80	- 3.79	8.95	7.61	- 10.29
	LYMPH# (10 ⁹ /L)	0.97	0.58	- 1.36	1.95	1.56	- 2.33	4.13	3.30	- 4.96
	MONO# (10 ⁹ /L)	0.34	0.07	- 0.61	0.77	0.31	- 1.23	2.05	1.23	- 2.87
	EO# (10 ⁹ /L)	0.28	0.19	- 0.36	0.69	0.48	- 0.90	1.84	1.38	- 2.30
BASO# (10 ⁹ /L)	1.81	1.27	- 2.36	4.58	3.20	- 5.95	13.04	9.78	- 16.30	
PLT-O (10 ⁹ /L)	51	26	- 77	206	175	- 237	528	449	- 607	
RET# (10 ¹² /L)	0.1697	0.1188	- 0.2206	0.1000	0.0700	- 0.1300	0.0527	0.0369	- 0.0685	
RET%	7.32	5.12	- 9.52	2.30	1.61	- 2.99	1.00	0.70	- 1.30	
IRF (%)	32.4	12.4	- 52.4	27.2	7.2	- 47.2	23.4	3.4	- 43.4	
IG # ^a	0.35	0.32	- 0.39	0.94	0.71	- 1.18	2.12	1.48	- 2.76	
IG % ^a	12.18	8.53	- 15.83	13.49	10.12	- 16.86	11.70	7.02	- 16.38	
RET-He (pg) ^b	25.0	17.5	- 32.5	25.1	18.8	- 31.4	25.5	15.3	- 35.7	

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