



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

Expiration Date 2012-03-26		Quality Control Data Due Date #1: 13-Feb-12			Quality Control Data Due Date #2: 26-Mar-12		
Lot Number:		20050801		20050802		20050803	
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)	2.24	2.15 - 2.33	4.37	4.24 - 4.50	5.28	5.12 - 5.44
	HGB (g/dL)	5.6	5.4 - 5.8	12.4	12.0 - 12.8	16.3	15.8 - 16.8
	HCT (%)	17.4	16.5 - 18.3	36.8	35.1 - 38.5	47.0	44.9 - 49.1
	MCV (fL)	77.7	71.0 - 85.0	84.2	78.1 - 90.7	89.0	82.5 - 95.9
	MCH (pg)	25.1	23.1 - 27.1	28.4	26.7 - 30.1	30.8	29.1 - 32.8
	MCHC (g/dL)	32.3	29.4 - 35.2	33.7	31.3 - 36.3	34.6	32.2 - 37.4
	PLT (10 ⁹ /L)	57	34 - 80	220	196 - 244	508	462 - 554
	RDW-SD (fL)	44.9	40.4 - 49.4	45.4	40.9 - 49.9	43.5	39.2 - 47.9
	RDW-CV (%)	16.1	14.5 - 17.7	15.3	13.8 - 16.8	14.2	12.8 - 15.6
	MPV (fL)	8.9	8.2 - 9.6	9.4	8.8 - 10.0	9.5	8.9 - 10.1
	WBC (10 ⁹ /L)	2.92	2.63 - 3.21	7.30	6.86 - 7.74	16.99	15.97 - 18.01
	NEUT%	45.5	36.4 - 54.6	47.5	40.4 - 54.6	53.0	45.1 - 61.0
	LYMPH%	32.8	19.7 - 45.9	30.7	24.6 - 36.8	24.7	19.8 - 29.6
	MONO%	12.0	2.4 - 21.6	11.8	7.1 - 16.5	11.6	8.1 - 15.1
	EO%	9.6	6.7 - 12.5	10.0	7.0 - 13.0	10.8	8.1 - 13.5
	BASO%	64.7	45.3 - 84.1	68.4	47.9 - 88.9	77.1	57.8 - 96.4
	NEUT# (10 ⁹ /L)	1.33	1.06 - 1.60	3.47	2.95 - 3.99	9.00	7.65 - 10.35
	LYMPH# (10 ⁹ /L)	0.96	0.58 - 1.34	2.24	1.79 - 2.69	4.20	3.36 - 5.04
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.86	0.52 - 1.20	1.96	1.18 - 2.74
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.73	0.51 - 0.95	1.83	1.37 - 2.29
	BASO# (10 ⁹ /L)	1.89	1.32 - 2.46	5.00	3.50 - 6.50	13.10	9.83 - 16.38
	PLT-O (10 ⁹ /L)	53	29 - 77	210	179 - 242	529	450 - 608
	RET# (10 ¹² /L)	0.1266	0.0886 - 0.1646	0.0969	0.0678 - 0.1260	0.0511	0.0358 - 0.0664
	RET%	5.66	3.96 - 7.36	2.22	1.55 - 2.89	0.97	0.68 - 1.26
IRF (%)	41.6	21.6 - 61.6	39.2	19.2 - 59.2	31.8	11.8 - 51.8	
IG # ^a	0.35	0.32 - 0.39	0.92	0.69 - 1.15	2.51	1.76 - 3.26	
IG % ^a	12.22	8.55 - 15.89	12.75	9.56 - 15.94	14.12	8.47 - 19.77	
RET-He (pg) ^b	24.5	17.2 - 31.9	25.2	18.9 - 31.5	25.4	15.2 - 35.6	

^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 2012-03-26		Quality Control Data Due Date #1: 13-Feb-12				Quality Control Data Due Date #2: 26-Mar-12				
Lot Number:		20050801		20050802		20050803				
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	4.37	4.15	- 4.59	5.28	5.02	- 5.54
	HGB (g/dL)	5.6	5.3	- 5.9	12.4	11.8	- 13.0	16.3	15.5	- 17.1
	HCT (%)	17.4	16.2	- 18.6	36.8	34.6	- 39.0	47.0	44.2	- 49.8
	MCV (fL)	77.7	68.2	- 88.4	84.2	75.4	- 94.0	89.0	79.7	- 99.3
	MCH (pg)	25.1	22.2	- 28.2	28.4	25.7	- 31.4	30.8	27.9	- 34.1
	MCHC (g/dL)	32.3	28.3	- 36.7	33.7	30.2	- 37.6	34.6	31.1	- 38.7
	PLT (10 ⁹ /L)	56	28	- 84	211	180	- 243	472	402	- 543
	RDW-SD (fL)	44.9	40.4	- 49.4	45.4	40.9	- 49.9	43.5	39.2	- 47.9
	RDW-CV (%)	16.1	14.5	- 17.7	15.3	13.8	- 16.8	14.2	12.8	- 15.6
	MPV (fL)	8.9	8.2	- 9.6	9.4	8.8	- 10.0	9.5	8.9	- 10.1
	WBC (10 ⁹ /L)	2.83	2.41	- 3.25	6.94	6.32	- 7.56	16.14	14.85	- 17.43
	NEUT%	45.2	36.2	- 54.2	47.8	40.6	- 55.0	50.9	43.3	- 58.5
	LYMPH%	32.9	19.7	- 46.1	30.4	24.3	- 36.5	26.0	20.8	- 31.2
	MONO%	12.4	2.5	- 22.3	11.7	7.0	- 16.4	11.8	8.3	- 15.3
	EO%	9.5	6.7	- 12.4	10.1	7.1	- 13.1	11.3	8.5	- 14.1
	BASO%	65.4	45.8	- 85.0	67.0	46.9	- 87.1	77.9	58.4	- 97.4
	NEUT# (10 ⁹ /L)	1.28	1.02	- 1.54	3.32	2.82	- 3.82	8.21	6.98	- 9.44
	LYMPH# (10 ⁹ /L)	0.93	0.56	- 1.30	2.11	1.69	- 2.53	4.20	3.36	- 5.04
	MONO# (10 ⁹ /L)	0.35	0.07	- 0.63	0.81	0.32	- 1.30	1.90	1.14	- 2.66
	EO# (10 ⁹ /L)	0.27	0.19	- 0.35	0.70	0.49	- 0.91	1.83	1.37	- 2.29
	BASO# (10 ⁹ /L)	1.85	1.30	- 2.41	4.65	3.26	- 6.05	12.58	9.44	- 15.73
	PLT-O (10 ⁹ /L)	50	25	- 76	206	175	- 237	518	441	- 596
	RET# (10 ¹² /L)	0.1266	0.0886	- 0.1646	0.0969	0.0678	- 0.1260	0.0511	0.0358	- 0.0664
	RET%	5.66	3.96	- 7.36	2.22	1.55	- 2.89	0.97	0.68	- 1.26
	IRF (%)	41.6	21.6	- 61.6	39.2	19.2	- 59.2	31.8	11.8	- 51.8
	IG # ^a	0.35	0.32	- 0.39	0.92	0.69	- 1.15	2.51	1.76	- 3.26
	IG % ^a	12.22	8.55	- 15.89	12.75	9.56	- 15.94	14.12	8.47	- 19.77
RET-He (pg) ^b	24.5	17.2	- 31.9	25.2	18.9	- 31.5	25.4	15.2	- 35.6	

^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.