



**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:		20040801		20040802		20040803			
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)	2.26	2.17 - 2.35	4.29	4.16 - 4.42	5.28	5.12 - 5.44		
	HGB (g/dL)	5.8	5.6 - 6.0	12.1	11.7 - 12.5	16.2	15.7 - 16.7		
	HCT (%)	17.9	17.0 - 18.8	36.1	34.5 - 37.7	46.9	44.8 - 49.0		
	MCV (fL)	79.3	72.3 - 86.6	84.0	78.0 - 90.7	88.7	82.4 - 95.7		
	MCH (pg)	25.7	23.7 - 27.8	28.2	26.6 - 29.9	30.7	28.9 - 32.6		
	MCHC (g/dL)	32.3	29.6 - 35.5	33.6	31.1 - 36.2	34.6	32.1 - 37.3		
	PLT (10 ⁹ /L)	57	34 - 80	222	198 - 246	514	468 - 560		
	RDW-SD (fL)	45.5	41.0 - 50.1	45.1	40.6 - 49.6	43.3	39.0 - 47.6		
	RDW-CV (%)	16.0	14.4 - 17.6	15.3	13.8 - 16.8	14.1	12.7 - 15.5		
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.8	9.2 - 10.4		
	WBC (10 ⁹ /L)	3.06	2.75 - 3.37	7.31	6.87 - 7.75	16.98	15.96 - 18.00		
	WBC-D (10 ⁹ /L) ^a	3.01	2.71 - 3.31	6.68	6.28 - 7.08	16.28	15.30 - 17.26		
	NEUT%	45.9	36.7 - 55.1	48.0	40.8 - 55.2	53.9	45.8 - 62.0		
	LYMPH%	32.4	19.4 - 45.4	30.6	24.5 - 36.7	23.1	18.5 - 27.7		
	MONO%	11.9	2.4 - 21.4	11.5	6.9 - 16.1	11.9	8.3 - 15.5		
	EO%	9.7	6.8 - 12.6	9.9	6.9 - 12.9	11.2	8.4 - 14.0		
	BASO%	64.9	45.4 - 84.4	68.4	47.9 - 88.9	78.8	59.1 - 98.5		
	NEUT# (10 ⁹ /L)	1.41	1.13 - 1.69	3.51	2.98 - 4.04	9.15	7.78 - 10.52		
	LYMPH# (10 ⁹ /L)	0.99	0.59 - 1.39	2.24	1.79 - 2.69	3.92	3.14 - 4.70		
	MONO# (10 ⁹ /L)	0.36	0.07 - 0.65	0.84	0.50 - 1.18	2.01	1.21 - 2.81		
	EO# (10 ⁹ /L)	0.30	0.21 - 0.39	0.72	0.50 - 0.94	1.90	1.43 - 2.38		
	BASO# (10 ⁹ /L)	1.98	1.39 - 2.57	5.00	3.50 - 6.50	13.38	10.04 - 16.73		
	PLT-O (10 ⁹ /L)	54	30 - 78	210	179 - 242	523	445 - 601		
	RET# (10 ¹² /L)	0.1316	0.0921 - 0.1711	0.0969	0.0678 - 0.1260	0.0493	0.0345 - 0.0641		
	RET%	5.82	4.07 - 7.57	2.26	1.58 - 2.94	0.93	0.65 - 1.21		
	IRF (%)	45.1	25.1 - 65.1	41.8	21.8 - 61.8	30.8	10.8 - 50.8		
	IG # ^b	0.36	0.32 - 0.40	0.96	0.72 - 1.20	2.55	1.79 - 3.32		
	IG % ^b	12.20	8.54 - 15.86	13.24	9.93 - 16.55	14.39	8.63 - 20.15		
RET-He (pg) ^c	24.6	17.2 - 32.0	24.8	18.6 - 31.0	25.2	15.1 - 35.3			

^a WBC-D values are only available with the Sysmex XT-4000i analyzer

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

^c 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:		20040801			20040802			20040803		
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)	2.26	2.12	- 2.40	4.29	4.08	- 4.50	5.28	5.02	- 5.54
	HGB (g/dL)	5.8	5.5	- 6.1	12.1	11.5	- 12.7	16.2	15.4	- 17.0
	HCT (%)	17.9	16.6	- 19.2	36.1	33.9	- 38.3	46.9	44.1	- 49.7
	MCV (fL)	79.3	69.5	- 90.2	84.0	75.3	- 93.9	88.7	79.5	- 99.1
	MCH (pg)	25.7	22.8	- 28.9	28.2	25.5	- 31.2	30.7	27.8	- 33.9
	MCHC (g/dL)	32.3	28.5	- 36.9	33.6	30.0	- 37.4	34.6	31.0	- 38.6
	PLT (10 ⁹ /L)	56	28	- 84	213	181	- 245	478	406	- 550
	RDW-SD (fL)	45.5	41.0	- 50.1	45.1	40.6	- 49.6	43.3	39.0	- 47.6
	RDW-CV (%)	16.0	14.4	- 17.6	15.3	13.8	- 16.8	14.1	12.7	- 15.5
	MPV (fL)	9.2	8.5	- 9.9	9.5	8.9	- 10.1	9.8	9.2	- 10.4
	WBC (10 ⁹ /L)	2.97	2.52	- 3.41	6.94	6.32	- 7.57	16.64	15.31	- 17.97
	WBC-D (10 ⁹ /L) ^a	3.01	2.56	- 3.46	6.88	6.26	- 7.50	16.69	15.35	- 18.03
	NEUT%	45.9	36.7	- 55.1	48.4	41.1	- 55.6	53.3	45.3	- 61.3
	LYMPH%	32.4	19.4	- 45.3	30.3	24.3	- 36.4	23.6	18.8	- 28.3
	MONO%	12.1	2.4	- 21.8	11.4	6.8	- 15.9	11.7	8.2	- 15.2
	EO%	9.6	6.7	- 12.5	10.0	7.0	- 12.9	11.4	8.6	- 14.3
	BASO%	65.4	45.8	- 85.0	67.0	46.9	- 87.0	77.2	57.9	- 96.5
	NEUT# (10 ⁹ /L)	1.36	1.09	- 1.64	3.36	2.85	- 3.86	8.87	7.54	- 10.20
	LYMPH# (10 ⁹ /L)	0.96	0.58	- 1.34	2.11	1.68	- 2.53	3.92	3.14	- 4.70
	MONO# (10 ⁹ /L)	0.36	0.07	- 0.65	0.79	0.32	- 1.26	1.95	1.17	- 2.73
	EO# (10 ⁹ /L)	0.29	0.20	- 0.37	0.69	0.48	- 0.90	1.90	1.43	- 2.38
	BASO# (10 ⁹ /L)	1.94	1.36	- 2.52	4.65	3.26	- 6.05	12.84	9.63	- 16.06
	PLT-O (10 ⁹ /L)	51	26	- 77	206	175	- 237	513	436	- 589
	RET# (10 ¹² /L)	0.1316	0.0921	- 0.1711	0.0969	0.0678	- 0.1260	0.0493	0.0345	- 0.0641
	RET%	5.82	4.07	- 7.57	2.26	1.58	- 2.94	0.93	0.65	- 1.21
IRF (%)	45.1	25.1	- 65.1	41.8	21.8	- 61.8	30.8	10.8	- 50.8	
IG # ^b	0.36	0.32	- 0.40	0.96	0.72	- 1.20	2.55	1.79	- 3.32	
IG % ^b	12.20	8.54	- 15.86	13.24	9.93	- 16.55	14.39	8.63	- 20.15	
RET-He (pg) ^c	24.6	17.2	- 32.0	24.8	18.6	- 31.0	25.2	15.1	- 35.3	

^a WBC-D values are only available with the Sysmex XT-4000i analyzer

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

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