



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

Expiration Date 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10				
Lot Number:		00610801		00610802		00610803			
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)	2.29	2.20 - 2.38	4.33	4.20 - 4.46	5.24	5.08 - 5.40		
	HGB (g/dL)	5.7	5.5 - 5.9	12.0	11.6 - 12.4	15.9	15.4 - 16.4		
	HCT (%)	18.1	17.2 - 19.0	36.5	34.9 - 38.1	47.8	45.6 - 50.0		
	MCV (fL)	79.0	72.2 - 86.4	84.4	78.2 - 90.8	91.1	84.6 - 98.3		
	MCH (pg)	24.9	23.0 - 27.0	27.7	26.1 - 29.4	30.4	28.6 - 32.2		
	MCHC (g/dL)	31.9	28.8 - 34.5	33.2	30.5 - 35.5	33.7	30.9 - 35.9		
	PLT (10 ⁹ /L)	61	37 - 85	225	200 - 250	510	464 - 556		
	RDW-SD (fL)	47.0	42.3 - 51.7	45.1	40.6 - 49.6	47.1	42.4 - 51.8		
	RDW-CV (%)	16.9	15.2 - 18.6	15.3	13.8 - 16.8	15.1	13.6 - 16.6		
	MPV (fL)	9.2	8.5 - 9.9	9.7	9.1 - 10.3	9.9	9.3 - 10.5		
	WBC (10 ⁹ /L)	2.94	2.65 - 3.23	7.06	6.64 - 7.48	16.15	15.18 - 17.12		
	NEUT%	44.8	35.8 - 53.8	48.2	41.0 - 55.4	53.6	45.6 - 61.6		
	LYMPH%	33.5	20.1 - 46.9	29.3	23.4 - 35.2	23.9	19.1 - 28.7		
	MONO%	12.5	2.5 - 22.5	12.2	7.3 - 17.1	11.3	7.9 - 14.7		
	EO%	9.3	6.5 - 12.1	10.3	7.2 - 13.4	11.2	8.4 - 14.0		
	BASO%	64.0	44.8 - 83.2	69.6	48.7 - 90.5	78.6	59.0 - 98.3		
	NEUT# (10 ⁹ /L)	1.32	1.06 - 1.58	3.41	2.90 - 3.92	8.66	7.36 - 9.96		
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	2.07	1.66 - 2.48	3.86	3.09 - 4.63		
	MONO# (10 ⁹ /L)	0.37	0.07 - 0.67	0.86	0.52 - 1.20	1.83	1.10 - 2.56		
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.72	0.50 - 0.94	1.80	1.35 - 2.25		
	BASO# (10 ⁹ /L)	1.88	1.32 - 2.44	4.91	3.44 - 6.38	12.69	9.52 - 15.86		
	PLT-O (10 ⁹ /L)	55	30 - 80	209	178 - 240	523	445 - 601		
	RET# (10 ¹² /L)	0.1515	0.1061 - 0.1970	0.0973	0.0681 - 0.1265	0.0461	0.0323 - 0.0599		
	RET%	6.61	4.63 - 8.59	2.25	1.58 - 2.93	0.88	0.62 - 1.14		
	IRF (%)	31.2	11.2 - 51.2	27.6	7.6 - 47.6	23.9	3.9 - 43.9		
	IG # ^a	0.34	0.31 - 0.37	0.91	0.68 - 1.14	2.45	1.72 - 3.19		
	IG % ^a	12.03	8.42 - 15.64	13.00	9.75 - 16.25	14.49	8.69 - 20.29		
	RET-He (pg) ^b	24.0	16.8 - 31.2	24.3	18.2 - 30.4	25.0	15.0 - 35.0		

^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 2010-05-24		Quality Control Data Due Date #1: 12-Apr-10			Quality Control Data Due Date #2: 24-May-10				
Lot Number:		00610801		00610802		00610803			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
CLOSED	RBC (10 ¹² /L)	2.29	2.15 - 2.43	4.33	4.11 - 4.55	5.24	4.98 - 5.50		
	HGB (g/dL)	5.7	5.4 - 6.0	12.0	11.4 - 12.6	15.9	15.1 - 16.7		
	HCT (%)	18.1	16.8 - 19.4	36.5	34.3 - 38.7	47.8	44.9 - 50.7		
	MCV (fL)	79.0	69.3 - 90.0	84.4	75.5 - 94.1	91.1	81.7 - 101.8		
	MCH (pg)	24.9	22.1 - 28.1	27.7	25.1 - 30.6	30.4	27.5 - 33.5		
	MCHC (g/dL)	31.9	27.7 - 35.9	33.2	29.5 - 36.7	33.7	29.8 - 37.2		
	PLT (10 ⁹ /L)	60	30 - 90	216	184 - 248	474	403 - 545		
	RDW-SD (fL)	47.0	42.3 - 51.7	45.1	40.6 - 49.6	47.1	42.4 - 51.8		
	RDW-CV (%)	16.9	15.2 - 18.6	15.3	13.8 - 16.8	15.1	13.6 - 16.6		
	MPV (fL)	9.2	8.5 - 9.9	9.7	9.1 - 10.3	9.9	9.3 - 10.5		
	WBC (10 ⁹ /L)	2.85	2.42 - 3.28	6.71	6.10 - 7.31	15.83	14.56 - 17.09		
	NEUT%	44.7	35.8 - 53.6	48.6	41.3 - 55.9	53.0	45.1 - 61.0		
	LYMPH%	33.3	20.0 - 46.7	29.0	23.2 - 34.8	24.4	19.5 - 29.3		
	MONO%	13.0	2.6 - 23.4	12.1	7.2 - 16.9	11.2	7.9 - 14.6		
	EO%	9.0	6.3 - 11.7	10.3	7.2 - 13.4	11.4	8.5 - 14.2		
	BASO%	64.6	45.2 - 84.0	68.1	47.7 - 88.5	77.0	57.7 - 96.2		
	NEUT# (10 ⁹ /L)	1.27	1.02 - 1.53	3.26	2.77 - 3.75	8.39	7.13 - 9.65		
	LYMPH# (10 ⁹ /L)	0.95	0.57 - 1.33	1.95	1.56 - 2.33	3.86	3.09 - 4.63		
	MONO# (10 ⁹ /L)	0.37	0.07 - 0.67	0.81	0.32 - 1.29	1.78	1.07 - 2.49		
	EO# (10 ⁹ /L)	0.26	0.18 - 0.33	0.69	0.48 - 0.90	1.80	1.35 - 2.25		
	BASO# (10 ⁹ /L)	1.84	1.29 - 2.40	4.57	3.20 - 5.94	12.18	9.14 - 15.23		
	PLT-O (10 ⁹ /L)	52	26 - 78	205	174 - 236	513	436 - 589		
	RET# (10 ¹² /L)	0.1515	0.1061 - 0.1970	0.0973	0.0681 - 0.1265	0.0461	0.0323 - 0.0599		
	RET%	6.61	4.63 - 8.59	2.25	1.58 - 2.93	0.88	0.62 - 1.14		
IRF (%)	31.2	11.2 - 51.2	27.6	7.6 - 47.6	23.9	3.9 - 43.9			
IG # ^a	0.34	0.31 - 0.37	0.91	0.68 - 1.14	2.45	1.72 - 3.19			
IG % ^a	12.03	8.42 - 15.64	13.00	9.75 - 16.25	14.49	8.69 - 20.29			
RET-He (pg) ^b	24.0	16.8 - 31.2	24.3	18.2 - 30.4	25.0	15.0 - 35.0			

^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.