



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

Expiration Date: <b>2010-07-19</b>		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10					
Lot Number:		01170801		01170802		01170803				
Control:		L1:Level 1		L2:Level 2		L3:Level 3				
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		
OPEN	RBC (10 <sup>12</sup> /L)	2.26	2.17	- 2.35	4.38	4.25	- 4.51	5.29	5.13	- 5.45
	HGB (g/dL)	5.5	5.3	- 5.7	12.0	11.6	- 12.4	15.5	15.0	- 16.0
	HCT (%)	16.9	16.1	- 17.7	35.6	34.0	- 37.2	45.4	43.4	- 47.4
	MCV (fL)	75.0	68.3	- 81.8	81.3	75.4	- 87.6	85.8	79.6	- 92.5
	MCH (pg)	24.4	22.5	- 26.4	27.3	25.8	- 29.1	29.3	27.6	- 31.1
	MCHC (g/dL)	32.5	29.8	- 35.6	33.6	31.3	- 36.4	34.2	31.7	- 36.8
	PLT (10 <sup>9</sup> /L)	58	35	- 81	217	193	- 241	521	474	- 568
	RDW-SD (fL)	44.5	40.1	- 49.0	44.6	40.1	- 49.1	45.8	41.2	- 50.4
	RDW-CV (%)	16.7	15.0	- 18.4	15.6	14.0	- 17.2	15.3	13.8	- 16.8
	MPV (fL)	9.1	8.4	- 9.8	9.4	8.8	- 10.0	9.6	9.0	- 10.2
	WBC (10 <sup>9</sup> /L)	2.91	2.62	- 3.20	6.86	6.45	- 7.27	17.09	16.06	- 18.12
	NEUT%	43.7	35.0	- 52.4	50.0	42.5	- 57.5	53.0	45.1	- 61.0
	LYMPH%	35.5	21.3	- 49.7	28.3	22.6	- 34.0	23.9	19.1	- 28.7
	MONO%	11.8	2.4	- 21.2	12.0	7.2	- 16.8	11.8	8.3	- 15.3
	EO%	9.0	6.3	- 11.7	9.7	6.8	- 12.6	11.3	8.5	- 14.1
	BASO%	62.4	43.7	- 81.1	70.3	49.2	- 91.4	78.3	58.7	- 97.9
	NEUT# (10 <sup>9</sup> /L)	1.27	1.02	- 1.52	3.43	2.92	- 3.94	9.06	7.70	- 10.42
	LYMPH# (10 <sup>9</sup> /L)	1.03	0.62	- 1.44	1.94	1.55	- 2.33	4.09	3.27	- 4.91
	MONO# (10 <sup>9</sup> /L)	0.34	0.07	- 0.61	0.82	0.49	- 1.15	2.02	1.21	- 2.83
	EO# (10 <sup>9</sup> /L)	0.26	0.18	- 0.34	0.67	0.47	- 0.87	1.92	1.44	- 2.40
	BASO# (10 <sup>9</sup> /L)	1.81	1.27	- 2.35	4.83	3.38	- 6.28	13.38	10.04	- 16.73
	PLT-O (10 <sup>9</sup> /L)	53	29	- 77	206	175	- 237	541	460	- 622
	RET# (10 <sup>12</sup> /L)	0.1301	0.0911	- 0.1691	0.1019	0.0713	- 0.1325	0.0501	0.0351	- 0.0651
	RET%	5.76	4.03	- 7.49	2.33	1.63	- 3.03	0.95	0.67	- 1.24
	IRF (%)	37.4	17.4	- 57.4	33.3	13.3	- 53.3	27.4	7.4	- 47.4
	IG # <sup>a</sup>	0.34	0.31	- 0.37	0.92	0.69	- 1.15	2.53	1.77	- 3.29
	IG % <sup>a</sup>	11.87	8.31	- 15.43	13.52	10.14	- 16.90	14.13	8.48	- 19.78
	RET-He (pg) <sup>b</sup>	24.7	17.3	- 32.1	25.1	18.8	- 31.4	25.2	15.1	- 35.3

<sup>a</sup> IG values are only available with the Sysmex XT-Series IG Master software.

<sup>b</sup> 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: <b>2010-07-19</b>		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10					
Lot Number:		01170801		01170802		01170803				
Control:		L1:Level 1		L2:Level 2		L3:Level 3				
PARAMETERS		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
CLOSED	RBC (10 <sup>12</sup> /L)	2.26	2.12	- 2.40	4.38	4.16	- 4.60	5.29	5.03	- 5.55
	HGB (g/dL)	5.5	5.2	- 5.8	12.0	11.4	- 12.6	15.5	14.7	- 16.3
	HCT (%)	16.9	15.7	- 18.1	35.6	33.5	- 37.7	45.4	42.7	- 48.1
	MCV (fL)	75.0	65.6	- 85.1	81.3	72.8	- 90.7	85.8	76.8	- 95.8
	MCH (pg)	24.4	21.6	- 27.4	27.3	24.8	- 30.3	29.3	26.5	- 32.4
	MCHC (g/dL)	32.5	28.6	- 37.1	33.6	30.2	- 37.7	34.2	30.6	- 38.1
	PLT (10 <sup>9</sup> /L)	57	28	- 85	208	177	- 240	485	412	- 557
	RDW-SD (fL)	44.5	40.1	- 49.0	44.6	40.1	- 49.1	45.8	41.2	- 50.4
	RDW-CV (%)	16.7	15.0	- 18.4	15.6	14.0	- 17.2	15.3	13.8	- 16.8
	MPV (fL)	9.1	8.4	- 9.8	9.4	8.8	- 10.0	9.6	9.0	- 10.2
	WBC (10 <sup>9</sup> /L)	2.82	2.40	- 3.25	6.52	5.93	- 7.10	16.75	15.41	- 18.09
	NEUT%	43.8	35.0	- 52.6	50.3	42.8	- 57.9	52.4	44.6	- 60.3
	LYMPH%	35.4	21.2	- 49.6	28.0	22.4	- 33.6	24.4	19.5	- 29.3
	MONO%	12.0	2.4	- 21.7	11.8	7.1	- 16.6	11.7	8.2	- 15.2
	EO%	8.8	6.1	- 11.4	9.9	6.9	- 12.8	11.5	8.6	- 14.3
	BASO%	62.8	44.0	- 81.7	68.9	48.2	- 89.6	76.7	57.5	- 95.9
	NEUT# (10 <sup>9</sup> /L)	1.24	0.99	- 1.48	3.28	2.79	- 3.77	8.78	7.46	- 10.10
	LYMPH# (10 <sup>9</sup> /L)	1.00	0.60	- 1.40	1.82	1.46	- 2.19	4.09	3.27	- 4.91
	MONO# (10 <sup>9</sup> /L)	0.34	0.07	- 0.61	0.77	0.31	- 1.23	1.96	1.18	- 2.74
	EO# (10 <sup>9</sup> /L)	0.25	0.17	- 0.32	0.64	0.45	- 0.84	1.92	1.44	- 2.40
	BASO# (10 <sup>9</sup> /L)	1.77	1.24	- 2.31	4.49	3.14	- 5.84	12.84	9.63	- 16.06
	PLT-O (10 <sup>9</sup> /L)	50	25	- 76	202	172	- 232	530	451	- 610
	RET# (10 <sup>12</sup> /L)	0.1301	0.0911	- 0.1691	0.1019	0.0713	- 0.1325	0.0501	0.0351	- 0.0651
	RET%	5.76	4.03	- 7.49	2.33	1.63	- 3.03	0.95	0.67	- 1.24
IRF (%)	37.4	17.4	- 57.4	33.3	13.3	- 53.3	27.4	7.4	- 47.4	
IG # <sup>a</sup>	0.34	0.31	- 0.37	0.92	0.69	- 1.15	2.53	1.77	- 3.29	
IG % <sup>a</sup>	11.87	8.31	- 15.43	13.52	10.14	- 16.90	14.13	8.48	- 19.78	
RET-He (pg) <sup>b</sup>	24.7	17.3	- 32.1	25.1	18.8	- 31.4	25.2	15.1	- 35.3	

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<sup>b</sup> RET-HE values are only available with the Sysmex XT-Series RET Master software.