



**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:		01190801		01190802		01190803				
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)	2.27	2.18	- 2.36	4.35	4.22	- 4.48	5.29	5.13	- 5.45
	HGB (g/dL)	5.8	5.6	- 6.0	12.3	11.9	- 12.7	16.0	15.5	- 16.5
	HCT (%)	17.7	16.8	- 18.6	36.7	35.0	- 38.4	47.0	44.9	- 49.1
	MCV (fL)	78.3	71.2	- 85.3	84.4	78.2	- 90.9	88.9	82.4	- 95.7
	MCH (pg)	25.6	23.6	- 27.7	28.2	26.6	- 30.0	30.3	28.5	- 32.1
	MCHC (g/dL)	32.7	30.0	- 35.9	33.5	31.1	- 36.1	34.0	31.6	- 36.7
	PLT (10 <sup>9</sup> /L)	55	33	- 77	219	195	- 243	517	470	- 564
	RDW-SD (fL)	44.9	40.4	- 49.4	45.5	41.0	- 50.1	46.0	41.4	- 50.6
	RDW-CV (%)	16.0	14.4	- 17.6	15.4	13.9	- 16.9	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 <sup>9</sup> /L)	2.91	2.62	- 3.20	6.91	6.50	- 7.32	17.53	16.48	- 18.58
	NEUT%	43.8	35.0	- 52.6	49.4	42.0	- 56.8	53.7	45.6	- 61.8
	LYMPH%	34.1	20.5	- 47.7	28.3	22.6	- 34.0	23.9	19.1	- 28.7
	MONO%	13.0	2.6	- 23.4	11.9	7.1	- 16.7	11.7	8.2	- 15.2
	EO%	9.1	6.4	- 11.8	10.4	7.3	- 13.5	10.7	8.0	- 13.4
	BASO%	62.7	43.9	- 81.5	70.2	49.1	- 91.3	78.0	58.5	- 97.5
	NEUT# (10 <sup>9</sup> /L)	1.28	1.02	- 1.54	3.42	2.91	- 3.93	9.41	8.00	- 10.82
	LYMPH# (10 <sup>9</sup> /L)	0.99	0.59	- 1.39	1.96	1.57	- 2.35	4.19	3.35	- 5.03
	MONO# (10 <sup>9</sup> /L)	0.38	0.08	- 0.68	0.82	0.49	- 1.15	2.05	1.23	- 2.87
	EO# (10 <sup>9</sup> /L)	0.27	0.19	- 0.35	0.72	0.50	- 0.94	1.88	1.41	- 2.35
	BASO# (10 <sup>9</sup> /L)	1.83	1.28	- 2.38	4.85	3.40	- 6.31	13.67	10.25	- 17.09
	PLT-O (10 <sup>9</sup> /L)	50	28	- 73	208	177	- 239	529	450	- 608
	RET# (10 <sup>12</sup> /L)	0.1482	0.1037	- 0.1927	0.0999	0.0699	- 0.1299	0.0448	0.0314	- 0.0582
	RET%	6.54	4.58	- 8.50	2.30	1.61	- 2.99	0.85	0.60	- 1.11
IRF (%)	34.7	14.7	- 54.7	34.8	14.8	- 54.8	26.3	6.3	- 46.3	
IG # <sup>a</sup>	0.34	0.31	- 0.37	0.89	0.67	- 1.11	2.65	1.86	- 3.45	
IG % <sup>a</sup>	11.92	8.34	- 15.50	13.07	9.80	- 16.34	14.44	8.66	- 20.22	
RET-He (pg) <sup>b</sup>	25.0	17.5	- 32.5	25.2	18.9	- 31.5	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:		01190801		01190802		01190803				
Control:		L1:Level 1		L2:Level 2		L3:Level 3				
CLOSED	<b>PARAMETERS</b>	<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>		<b>MEAN</b>	<b>EXPECTED RANGE</b>	
	RBC (10 <sup>12</sup> /L)	2.27	2.13	- 2.41	4.35	4.13	- 4.57	5.29	5.03	- 5.55
	HGB (g/dL)	5.8	5.5	- 6.1	12.3	11.7	- 12.9	16.0	15.2	- 16.8
	HCT (%)	17.7	16.5	- 18.9	36.7	34.5	- 38.9	47.0	44.2	- 49.8
	MCV (fL)	78.3	68.4	- 88.8	84.4	75.5	- 94.1	88.9	79.5	- 99.1
	MCH (pg)	25.6	22.7	- 28.8	28.2	25.6	- 31.3	30.3	27.4	- 33.4
	MCHC (g/dL)	32.7	28.8	- 37.3	33.5	30.0	- 37.4	34.0	30.5	- 38.0
	PLT (10 <sup>9</sup> /L)	54	27	- 81	210	179	- 242	481	409	- 553
	RDW-SD (fL)	44.9	40.4	- 49.4	45.5	41.0	- 50.1	46.0	41.4	- 50.6
	RDW-CV (%)	16.0	14.4	- 17.6	15.4	13.9	- 16.9	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 <sup>9</sup> /L)	2.82	2.40	- 3.25	6.56	5.97	- 7.16	17.18	15.81	- 18.55
	NEUT%	43.4	34.7	- 52.1	49.7	42.2	- 57.1	53.1	45.1	- 61.1
	LYMPH%	34.0	20.4	- 47.6	28.1	22.5	- 33.7	24.4	19.5	- 29.3
	MONO%	13.5	2.7	- 24.2	11.7	7.0	- 16.4	11.6	8.1	- 15.0
	EO%	9.1	6.4	- 11.8	10.5	7.4	- 13.7	10.9	8.2	- 13.7
	BASO%	63.5	44.5	- 82.6	68.7	48.1	- 89.3	76.4	57.3	- 95.5
	NEUT# (10 <sup>9</sup> /L)	1.23	0.98	- 1.47	3.26	2.77	- 3.75	9.12	7.75	- 10.49
	LYMPH# (10 <sup>9</sup> /L)	0.96	0.58	- 1.34	1.84	1.47	- 2.21	4.19	3.35	- 5.03
	MONO# (10 <sup>9</sup> /L)	0.38	0.08	- 0.68	0.77	0.31	- 1.23	1.99	1.19	- 2.78
EO# (10 <sup>9</sup> /L)	0.26	0.18	- 0.33	0.69	0.48	- 0.90	1.88	1.41	- 2.35	
BASO# (10 <sup>9</sup> /L)	1.79	1.26	- 2.33	4.51	3.16	- 5.86	13.12	9.84	- 16.40	
PLT-O (10 <sup>9</sup> /L)	48	24	- 71	204	173	- 234	518	441	- 596	
RET# (10 <sup>12</sup> /L)	0.1482	0.1037	- 0.1927	0.0999	0.0699	- 0.1299	0.0448	0.0314	- 0.0582	
RET%	6.54	4.58	- 8.50	2.30	1.61	- 2.99	0.85	0.60	- 1.11	
IRF (%)	34.7	14.7	- 54.7	34.8	14.8	- 54.8	26.3	6.3	- 46.3	
IG # <sup>a</sup>	0.34	0.31	- 0.37	0.89	0.67	- 1.11	2.65	1.86	- 3.45	
IG % <sup>a</sup>	11.92	8.34	- 15.50	13.07	9.80	- 16.34	14.44	8.66	- 20.22	
RET-He (pg) <sup>b</sup>	25.0	17.5	- 32.5	25.2	18.9	- 31.5	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.