



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

Expiration Date: <b>2010-05-24</b>		Quality Control Data Due Date #1: <b>12-Apr-10</b>			Quality Control Data Due Date #2: <b>24-May-10</b>					
Lot Number:		<b>00630801</b>		<b>00630802</b>		<b>00630803</b>				
Control:		<b>L1:Level 1</b>		<b>L2:Level 2</b>		<b>L3:Level 3</b>				
OPEN	<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)	2.33	2.24	- 2.42	4.41	4.28	- 4.54	5.37	5.21	- 5.53
	HGB (g/dL)	5.8	5.6	- 6.0	12.1	11.7	- 12.5	16.0	15.5	- 16.5
	HCT (%)	18.2	17.3	- 19.1	37.0	35.3	- 38.7	48.2	46.0	- 50.4
	MCV (fL)	78.2	71.4	- 85.4	84.0	77.8	- 90.4	89.8	83.2	- 96.7
	MCH (pg)	24.9	23.0	- 27.0	27.5	25.8	- 29.1	29.8	28.1	- 31.6
	MCHC (g/dL)	32.2	29.1	- 34.9	33.2	30.4	- 35.3	33.6	30.8	- 35.8
	PLT (10 <sup>9</sup> /L)	58	35	- 81	217	193	- 241	502	457	- 547
	RDW-SD (fL)	45.4	40.9	- 49.9	45.2	40.7	- 49.7	47.3	42.6	- 52.0
	RDW-CV (%)	16.4	14.8	- 18.0	15.4	13.9	- 16.9	15.4	13.9	- 16.9
	MPV (fL)	9.0	8.3	- 9.7	9.5	8.9	- 10.1	9.7	9.1	- 10.3
	WBC (10 <sup>9</sup> /L)	2.86	2.57	- 3.15	6.96	6.54	- 7.38	16.64	15.64	- 17.64
	NEUT%	44.8	35.8	- 53.8	49.3	41.9	- 56.7	53.4	45.4	- 61.4
	LYMPH%	32.9	19.7	- 46.1	27.6	22.1	- 33.1	24.3	19.4	- 29.2
	MONO%	12.9	2.6	- 23.2	12.8	7.7	- 17.9	11.4	8.0	- 14.8
	EO%	9.5	6.7	- 12.4	10.3	7.2	- 13.4	10.9	8.2	- 13.6
	BASO%	64.0	44.8	- 83.2	71.0	49.7	- 92.3	77.6	58.2	- 97.0
	NEUT# (10 <sup>9</sup> /L)	1.28	1.02	- 1.54	3.43	2.92	- 3.94	8.89	7.56	- 10.22
	LYMPH# (10 <sup>9</sup> /L)	0.94	0.56	- 1.32	1.92	1.54	- 2.30	4.05	3.24	- 4.86
	MONO# (10 <sup>9</sup> /L)	0.37	0.07	- 0.67	0.89	0.53	- 1.25	1.90	1.14	- 2.66
	EO# (10 <sup>9</sup> /L)	0.27	0.19	- 0.35	0.72	0.50	- 0.94	1.80	1.35	- 2.25
	BASO# (10 <sup>9</sup> /L)	1.83	1.28	- 2.38	4.94	3.46	- 6.42	12.91	9.68	- 16.14
	PLT-O (10 <sup>9</sup> /L)	54	30	- 78	205	174	- 236	521	443	- 599
	RET# (10 <sup>12</sup> /L)	0.1536	0.1075	- 0.1997	0.0953	0.0667	- 0.1239	0.0492	0.0344	- 0.0640
RET%	6.59	4.61	- 8.57	2.16	1.51	- 2.81	0.92	0.64	- 1.20	
IRF (%)	31.9	11.9	- 51.9	28.6	8.6	- 48.6	22.6	2.6	- 42.6	
IG # <sup>a</sup>	0.33	0.30	- 0.36	0.93	0.70	- 1.16	2.48	1.74	- 3.22	
IG % <sup>a</sup>	11.88	8.32	- 15.44	13.51	10.13	- 16.89	14.23	8.54	- 19.92	
RET-He (pg) <sup>b</sup>	23.7	16.6	- 30.8	24.1	18.1	- 30.1	24.6	14.8	- 34.4	

<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>2010-05-24</b>		Quality Control Data Due Date #1: <b>12-Apr-10</b>			Quality Control Data Due Date #2: <b>24-May-10</b>					
Lot Number:		<b>00630801</b>		<b>00630802</b>		<b>00630803</b>				
Control:		<b>L1:Level 1</b>		<b>L2:Level 2</b>		<b>L3:Level 3</b>				
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)	2.33	2.19	- 2.47	4.41	4.19	- 4.63	5.37	5.10	- 5.64
	HGB (g/dL)	5.8	5.5	- 6.1	12.1	11.5	- 12.7	16.0	15.2	- 16.8
	HCT (%)	18.2	16.9	- 19.5	37.0	34.8	- 39.2	48.2	45.3	- 51.1
	MCV (fL)	78.2	68.5	- 88.9	84.0	75.1	- 93.6	89.8	80.4	- 100.2
	MCH (pg)	24.9	22.1	- 28.1	27.5	24.8	- 30.3	29.8	27.0	- 32.9
	MCHC (g/dL)	32.2	28.0	- 36.3	33.2	29.3	- 36.5	33.6	29.8	- 37.1
	PLT (10 <sup>9</sup> /L)	57	28	- 85	208	177	- 240	467	397	- 537
	RDW-SD (fL)	45.4	40.9	- 49.9	45.2	40.7	- 49.7	47.3	42.6	- 52.0
	RDW-CV (%)	16.4	14.8	- 18.0	15.4	13.9	- 16.9	15.4	13.9	- 16.9
	MPV (fL)	9.0	8.3	- 9.7	9.5	8.9	- 10.1	9.7	9.1	- 10.3
	WBC (10 <sup>9</sup> /L)	2.77	2.36	- 3.19	6.61	6.02	- 7.21	16.31	15.00	- 17.61
	NEUT%	44.5	35.6	- 53.5	49.6	42.2	- 57.0	52.8	44.9	- 60.7
	LYMPH%	32.9	19.7	- 46.0	27.3	21.8	- 32.8	24.8	19.9	- 29.8
	MONO%	13.3	2.7	- 24.0	12.7	7.6	- 17.7	11.3	7.9	- 14.7
	EO%	9.2	6.5	- 12.0	10.5	7.3	- 13.6	11.0	8.3	- 13.8
	BASO%	64.6	45.3	- 84.0	69.5	48.6	- 90.3	76.0	57.0	- 95.0
	NEUT# (10 <sup>9</sup> /L)	1.24	0.99	- 1.48	3.28	2.79	- 3.77	8.61	7.32	- 9.91
	LYMPH# (10 <sup>9</sup> /L)	0.91	0.55	- 1.28	1.80	1.44	- 2.17	4.05	3.24	- 4.86
	MONO# (10 <sup>9</sup> /L)	0.37	0.07	- 0.67	0.84	0.33	- 1.34	1.84	1.11	- 2.58
EO# (10 <sup>9</sup> /L)	0.26	0.18	- 0.33	0.69	0.48	- 0.90	1.80	1.35	- 2.25	
BASO# (10 <sup>9</sup> /L)	1.79	1.26	- 2.33	4.59	3.22	- 5.97	12.39	9.30	- 15.49	
PLT-O (10 <sup>9</sup> /L)	51	26	- 77	201	171	- 231	511	434	- 587	
RET# (10 <sup>12</sup> /L)	0.1536	0.1075	- 0.1997	0.0953	0.0667	- 0.1239	0.0492	0.0344	- 0.0640	
RET%	6.59	4.61	- 8.57	2.16	1.51	- 2.81	0.92	0.64	- 1.20	
IRF (%)	31.9	11.9	- 51.9	28.6	8.6	- 48.6	22.6	2.6	- 42.6	
IG # <sup>a</sup>	0.33	0.30	- 0.36	0.93	0.70	- 1.16	2.48	1.74	- 3.22	
IG % <sup>a</sup>	11.88	8.32	- 15.44	13.51	10.13	- 16.89	14.23	8.54	- 19.92	
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<sup>b</sup> RET-HE values are only available with the Sysmex XT-Series RET Master software.