



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS
OPEN MODE ASSAY**

Expiration Date: 2010-07-19		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10				
Lot Number:		01180801		01180802		01180803			
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)	2.28	2.19 - 2.37	4.33	4.20 - 4.46	5.26	5.10 - 5.42		
	HGB (g/dL)	5.7	5.5 - 5.9	12.2	11.8 - 12.6	16.1	15.6 - 16.6		
	HCT (%)	17.5	16.6 - 18.4	35.7	34.1 - 37.3	46.3	44.2 - 48.4		
	MCV (fL)	76.4	70.1 - 84.0	82.4	76.4 - 88.8	88.0	81.6 - 94.8		
	MCH (pg)	24.9	23.1 - 27.1	28.1	26.5 - 29.9	30.6	28.8 - 32.5		
	MCHC (g/dL)	32.6	29.8 - 35.7	34.1	31.7 - 36.9	34.8	32.3 - 37.5		
	PLT (10 ⁹ /L)	52	31 - 73	209	186 - 232	501	456 - 546		
	RDW-SD (fL)	44.4	40.0 - 48.8	43.7	39.3 - 48.1	46.2	41.6 - 50.8		
	RDW-CV (%)	16.1	14.5 - 17.7	14.7	13.2 - 16.2	14.6	13.1 - 16.1		
	MPV (fL)	8.8	8.1 - 9.5	9.2	8.6 - 9.8	9.4	8.8 - 10.0		
	WBC (10 ⁹ /L)	2.96	2.66 - 3.26	6.95	6.53 - 7.37	16.81	15.80 - 17.82		
	NEUT%	44.7	35.8 - 53.6	48.5	41.2 - 55.8	53.4	45.4 - 61.4		
	LYMPH%	33.1	19.9 - 46.3	29.4	23.5 - 35.3	24.2	19.4 - 29.0		
	MONO%	12.5	2.5 - 22.5	11.5	6.9 - 16.1	11.5	8.1 - 15.0		
	EO%	9.7	6.8 - 12.6	10.6	7.4 - 13.8	10.9	8.2 - 13.6		
	BASO%	64.6	45.2 - 84.0	69.3	48.5 - 90.1	75.2	56.4 - 94.0		
	NEUT# (10 ⁹ /L)	1.32	1.06 - 1.58	3.37	2.86 - 3.88	8.98	7.63 - 10.33		
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	2.04	1.63 - 2.45	4.07	3.26 - 4.88		
	MONO# (10 ⁹ /L)	0.37	0.07 - 0.67	0.80	0.32 - 1.28	1.92	1.15 - 2.69		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.74	0.52 - 0.96	1.83	1.37 - 2.29		
	BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.81	3.37 - 6.25	12.64	9.48 - 15.80		
	NRBC# (10 ⁹ /L)	2.86	2.57 - 3.15	6.73	6.33 - 7.13	17.23	16.20 - 18.26		
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A		
	PLT-O (10 ⁹ /L)	59	32 - 86	214	182 - 246	511	434 - 588		
	RET# (10 ¹² /L)	0.1609	0.1126 - 0.2092	0.1139	0.0797 - 0.1481	0.0588	0.0412 - 0.0764		
	RET%	7.04	4.93 - 9.15	2.63	1.84 - 3.42	1.12	0.78 - 1.46		
	IRF (%)	24.8	4.8 - 44.8	22.0	2.0 - 42.0	17.0	0.0 - 37.0		
	^a IG #	0.31	0.28 - 0.34	0.81	0.61 - 1.01	2.12	1.48 - 2.76		
^a IG %	10.56	7.39 - 13.73	11.60	8.70 - 14.50	12.59	7.55 - 17.63			
^b HPC #	0.013	0.011 - 0.015	0.033	0.030 - 0.036	0.093	0.084 - 0.102			
^c RET-HE (pg)	24.3	17.0 - 31.6	25.0	18.8 - 31.3	25.6	15.4 - 35.8			
^d IPF (%)	21.3	18.1 - 24.5	21.5	18.3 - 24.7	21.7	18.4 - 25.0			

^a IG values are only available with the Sysmex XE-Series IG Master software.
^b HPC values are only available with the Sysmex XE-Series HPC Master software.
^c RET-HE values are only available with the Sysmex XE-Series RET Master software.
^d IPF values are only available with the Sysmex XE-Series IPF Master software.



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS
CLOSED MODE ASSAY**

Expiration Date: 2010-07-19		Quality Control Data Due Date #1: 7-Jun-10			Quality Control Data Due Date #2: 19-Jul-10				
Lot Number:		01180801		01180802		01180803			
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	RBC (10 ¹² /L)	2.28	2.14 - 2.42	4.33	4.11 - 4.55	5.26	5.00 - 5.52		
	HGB (g/dL)	5.7	5.4 - 6.0	12.2	11.6 - 12.8	16.1	15.3 - 16.9		
	HCT (%)	17.5	16.3 - 18.7	35.7	33.6 - 37.8	46.3	43.5 - 49.1		
	MCV (fL)	76.4	67.3 - 87.4	82.4	73.8 - 92.0	88.0	78.8 - 98.2		
	MCH (pg)	24.9	22.2 - 28.2	28.1	25.5 - 31.1	30.6	27.7 - 33.8		
	MCHC (g/dL)	32.6	28.6 - 37.1	34.1	30.6 - 38.2	34.8	31.2 - 38.8		
	PLT (10 ⁹ /L)	51	25 - 76	201	171 - 231	466	396 - 536		
	RDW-SD (fL)	44.4	40.0 - 48.8	43.7	39.3 - 48.1	46.2	41.6 - 50.8		
	RDW-CV (%)	16.1	14.5 - 17.7	14.7	13.2 - 16.2	14.6	13.1 - 16.1		
	MPV (fL)	8.8	8.1 - 9.5	9.2	8.6 - 9.8	9.4	8.8 - 10.0		
	WBC (10 ⁹ /L)	2.87	2.44 - 3.30	6.60	6.01 - 7.20	16.47	15.16 - 17.79		
	NEUT%	44.4	35.5 - 53.3	48.8	41.5 - 56.1	52.9	44.9 - 60.8		
	LYMPH%	33.1	19.9 - 46.4	29.0	23.2 - 34.9	24.7	19.8 - 29.6		
	MONO%	12.9	2.6 - 23.2	11.4	6.8 - 15.9	11.3	7.9 - 14.7		
	EO%	9.6	6.7 - 12.5	10.8	7.5 - 14.0	11.1	8.3 - 13.9		
	BASO%	65.2	45.6 - 84.7	67.8	47.4 - 88.1	73.7	55.2 - 92.1		
	NEUT# (10 ⁹ /L)	1.28	1.02 - 1.53	3.22	2.74 - 3.71	8.71	7.40 - 10.02		
	LYMPH# (10 ⁹ /L)	0.95	0.57 - 1.33	1.92	1.53 - 2.30	4.07	3.26 - 4.88		
	MONO# (10 ⁹ /L)	0.37	0.07 - 0.67	0.75	0.30 - 1.20	1.86	1.12 - 2.61		
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.71	0.50 - 0.92	1.83	1.37 - 2.29		
	BASO# (10 ⁹ /L)	1.87	1.31 - 2.43	4.47	3.13 - 5.82	12.13	9.10 - 15.17		
	NRBC# (10 ⁹ /L)	2.83	2.55 - 3.11	6.60	6.20 - 6.99	17.06	16.03 - 18.08		
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A		
	PLT-O (10 ⁹ /L)	56	28 - 84	210	178 - 241	501	426 - 576		
	RET# (10 ¹² /L)	0.1609	0.1126 - 0.2092	0.1139	0.0797 - 0.1481	0.0588	0.0412 - 0.0764		
	RET%	7.04	4.93 - 9.15	2.63	1.84 - 3.42	1.12	0.78 - 1.46		
	IRF (%)	24.8	4.8 - 44.8	22.0	2.0 - 42.0	17.0	0.0 - 37.0		
	^a IG #	0.31	0.28 - 0.34	0.81	0.61 - 1.01	2.12	1.48 - 2.76		
	^a IG %	10.56	7.39 - 13.73	11.60	8.70 - 14.50	12.59	7.55 - 17.63		
	^b HPC #	0.013	0.011 - 0.015	0.033	0.030 - 0.036	0.093	0.084 - 0.102		
^c RET-HE (pg)	24.3	17.0 - 31.6	25.0	18.8 - 31.3	25.6	15.4 - 35.8			
^d IPF (%)	21.3	18.1 - 24.5	21.5	18.3 - 24.7	21.7	18.4 - 25.0			

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