



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS
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	4.28	4.15 - 4.41	5.16	5.01 - 5.31		
	HGB (g/dL)	5.7	5.5 - 5.9	12.1	11.7 - 12.5	15.9	15.4 - 16.4		
	HCT (%)	17.5	16.6 - 18.4	35.4	33.8 - 37.0	45.7	43.6 - 47.8		
	MCV (fL)	76.5	69.8 - 83.6	82.5	76.7 - 89.1	88.6	82.1 - 95.4		
	MCH (pg)	25.0	23.0 - 27.0	28.2	26.6 - 30.0	30.9	29.0 - 32.7		
	MCHC (g/dL)	33.0	29.8 - 35.7	34.6	31.7 - 36.9	35.2	32.3 - 37.5		
	PLT (10 ⁹ /L)	55	33 - 77	216	192 - 240	501	456 - 546		
	RDW-SD (fL)	45.5	41.0 - 50.1	43.8	39.4 - 48.2	45.9	41.3 - 50.5		
	RDW-CV (%)	16.5	14.9 - 18.2	14.9	13.4 - 16.4	14.5	13.1 - 16.0		
	MPV (fL)	9.1	8.4 - 9.8	9.4	8.8 - 10.0	9.6	9.0 - 10.2		
	WBC (10 ⁹ /L)	3.02	2.72 - 3.32	6.93	6.51 - 7.35	16.01	15.05 - 16.97		
	NEUT%	44.6	35.7 - 53.5	48.8	41.5 - 56.1	53.7	45.6 - 61.8		
	LYMPH%	34.2	20.5 - 47.9	28.9	23.1 - 34.7	23.5	18.8 - 28.2		
	MONO%	11.7	2.3 - 21.1	11.6	7.0 - 16.2	11.1	7.8 - 14.4		
	EO%	9.6	6.7 - 12.5	10.8	7.6 - 14.0	11.6	8.7 - 14.5		
	BASO%	64.0	44.8 - 83.2	70.2	49.1 - 91.3	76.1	57.1 - 95.1		
	NEUT# (10 ⁹ /L)	1.35	1.08 - 1.62	3.38	2.87 - 3.89	8.61	7.32 - 9.90		
	LYMPH# (10 ⁹ /L)	1.03	0.62 - 1.44	2.00	1.60 - 2.40	3.77	3.02 - 4.52		
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.80	0.32 - 1.28	1.79	1.07 - 2.51		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.75	0.53 - 0.98	1.85	1.39 - 2.31		
	BASO# (10 ⁹ /L)	1.93	1.35 - 2.51	4.87	3.41 - 6.33	12.19	9.14 - 15.24		
	NRBC# (10 ⁹ /L)	2.97	2.67 - 3.27	6.75	6.35 - 7.16	16.46	15.47 - 17.45		
	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)	61	34 - 88	215	183 - 247	499	424 - 574		
	RET# (10 ¹² /L)	0.1563	0.1094 - 0.2032	0.1165	0.0816 - 0.1515	0.0579	0.0405 - 0.0753		
	RET%	6.83	4.78 - 8.88	2.72	1.90 - 3.54	1.12	0.78 - 1.46		
	IRF (%)	27.7	7.7 - 47.7	23.8	3.8 - 43.8	20.5	0.5 - 40.5		
	^a IG #	0.32	0.29 - 0.35	0.79	0.59 - 0.99	1.99	1.39 - 2.59		
^a IG %	10.68	7.48 - 13.88	11.40	8.55 - 14.25	12.45	7.47 - 17.43			
^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.088	0.079 - 0.097			
^c RET-HE (pg)	24.6	17.2 - 32.0	25.0	18.8 - 31.3	25.9	15.5 - 36.3			
^d IPF (%)	21.4	18.2 - 24.6	21.8	18.5 - 25.1	22.6	19.2 - 26.0			

^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: 2010-05-24	Quality Control Data Due Date #1: 12-Apr-10	Quality Control Data Due Date #2: 24-May-10
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Lot Number:	00610801	00610802	00610803
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Control:	L1:Level 1	L2:Level 2	L3:Level 3
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PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
CLOSED	RBC (10 ¹² /L)	2.29	2.15 - 2.43	4.28	4.07 - 4.49	5.16	4.90 - 5.42
	HGB (g/dL)	5.7	5.4 - 6.0	12.1	11.5 - 12.7	15.9	15.1 - 16.7
	HCT (%)	17.5	16.3 - 18.7	35.4	33.3 - 37.5	45.7	43.0 - 48.4
	MCV (fL)	76.5	67.0 - 87.0	82.5	74.0 - 92.3	88.6	79.3 - 98.8
	MCH (pg)	25.0	22.1 - 28.1	28.2	25.6 - 31.2	30.9	27.9 - 34.1
	MCHC (g/dL)	33.0	28.6 - 37.1	34.6	30.6 - 38.2	35.2	31.2 - 38.9
	PLT (10 ⁹ /L)	54	27 - 81	207	176 - 238	466	396 - 536
	RDW-SD (fL)	45.5	41.0 - 50.1	43.8	39.4 - 48.2	45.9	41.3 - 50.5
	RDW-CV (%)	16.5	14.9 - 18.2	14.9	13.4 - 16.4	14.5	13.1 - 16.0
	MPV (fL)	9.1	8.4 - 9.8	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	2.93	2.49 - 3.37	6.58	5.99 - 7.18	15.69	14.43 - 16.94
	NEUT%	44.5	35.6 - 53.4	49.1	41.7 - 56.4	53.1	45.1 - 61.1
	LYMPH%	34.1	20.5 - 47.7	28.6	22.8 - 34.3	24.0	19.2 - 28.8
	MONO%	11.9	2.4 - 21.5	11.4	6.9 - 16.0	11.1	7.7 - 14.4
	EO%	9.4	6.6 - 12.2	10.9	7.7 - 14.2	11.8	8.8 - 14.7
	BASO%	64.6	45.2 - 83.9	68.8	48.2 - 89.4	74.6	55.9 - 93.2
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.57	3.23	2.75 - 3.72	8.33	7.08 - 9.58
	LYMPH# (10 ⁹ /L)	1.00	0.60 - 1.40	1.88	1.50 - 2.26	3.77	3.02 - 4.52
	MONO# (10 ⁹ /L)	0.35	0.07 - 0.63	0.75	0.30 - 1.20	1.74	1.04 - 2.43
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.72	0.50 - 0.94	1.85	1.39 - 2.31
	BASO# (10 ⁹ /L)	1.89	1.32 - 2.46	4.53	3.17 - 5.89	11.70	8.78 - 14.63
	NRBC# (10 ⁹ /L)	2.94	2.65 - 3.23	6.62	6.22 - 7.01	16.30	15.32 - 17.27
	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)	58	29 - 87	211	179 - 242	489	416 - 562
	RET# (10 ¹² /L)	0.1563	0.1094 - 0.2032	0.1165	0.0816 - 0.1515	0.0579	0.0405 - 0.0753
	RET%	6.83	4.78 - 8.88	2.72	1.90 - 3.54	1.12	0.78 - 1.46
	IRF (%)	27.7	7.7 - 47.7	23.8	3.8 - 43.8	20.5	0.5 - 40.5
	^a IG #	0.32	0.29 - 0.35	0.79	0.59 - 0.99	1.99	1.39 - 2.59
	^a IG %	10.68	7.48 - 13.88	11.40	8.55 - 14.25	12.45	7.47 - 17.43
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.088	0.079 - 0.097
	^c RET-HE (pg)	24.6	17.2 - 32.0	25.0	18.8 - 31.3	25.9	15.5 - 36.3
	^d IPF (%)	21.4	18.2 - 24.6	21.8	18.5 - 25.1	22.6	19.2 - 26.0

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^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.