



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

Expiration Date: 2012-01-30		Quality Control Data Due Date #1: 19-Dec-11			Quality Control Data Due Date #2: 30-Jan-12		
Lot Number:		13130801		13130802		13130803	
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)	2.24	2.15 - 2.33	4.28	4.15 - 4.41	5.15	5.00 - 5.30
	HGB (g/dL)	5.8	5.6 - 6.0	12.3	11.9 - 12.7	16.1	15.6 - 16.6
	HCT (%)	17.5	16.6 - 18.4	35.8	34.2 - 37.4	46.0	43.9 - 48.1
	MCV (fL)	78.1	71.4 - 85.4	83.6	77.6 - 90.1	89.3	82.8 - 96.2
	MCH (pg)	25.8	23.9 - 28.1	28.6	27.1 - 30.5	31.4	29.4 - 33.2
	MCHC (g/dL)	33.0	30.3 - 36.3	34.3	31.9 - 37.1	35.1	32.5 - 37.7
	PLT (10 ⁹ /L)	56	34 - 78	215	191 - 239	513	467 - 559
	RDW-SD (fL)	43.2	38.9 - 47.5	44.4	40.0 - 48.8	43.9	39.5 - 48.3
	RDW-CV (%)	14.9	13.4 - 16.4	14.6	13.1 - 16.1	13.5	12.2 - 14.9
	MPV (fL)	9.2	8.5 - 9.9	9.4	8.8 - 10.0	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	3.02	2.72 - 3.32	7.29	6.85 - 7.73	16.33	15.35 - 17.31
	NEUT%	42.9	34.3 - 51.5	46.7	39.7 - 53.7	51.7	43.9 - 59.5
	LYMPH%	37.3	22.4 - 52.2	31.6	25.3 - 37.9	26.2	21.0 - 31.4
	MONO%	10.5	2.1 - 18.9	11.4	6.8 - 16.0	10.8	7.6 - 14.0
	EO%	9.2	6.4 - 12.0	10.3	7.2 - 13.4	11.3	8.5 - 14.1
	BASO%	61.7	43.2 - 80.2	68.6	48.0 - 89.2	73.6	55.2 - 92.0
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.56	3.41	2.90 - 3.92	8.44	7.17 - 9.71
	LYMPH# (10 ⁹ /L)	1.13	0.68 - 1.58	2.30	1.84 - 2.76	4.28	3.42 - 5.14
	MONO# (10 ⁹ /L)	0.32	0.06 - 0.58	0.83	0.33 - 1.33	1.77	1.06 - 2.48
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.75	0.53 - 0.98	1.85	1.39 - 2.31
	BASO# (10 ⁹ /L)	1.86	1.30 - 2.42	5.00	3.50 - 6.50	12.01	9.01 - 15.01
	NRBC# (10 ⁹ /L)	2.98	2.68 - 3.28	7.22	6.79 - 7.65	17.47	16.42 - 18.52
	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)	65	36 - 94	231	196 - 266	529	450 - 608
	RET# (10 ¹² /L)	0.1325	0.0928 - 0.1723	0.1110	0.0777 - 0.1443	0.0532	0.0372 - 0.0692
RET%	5.91	4.14 - 7.68	2.59	1.81 - 3.37	1.03	0.72 - 1.34	
IRF (%)	41.6	21.6 - 61.6	36.1	16.1 - 56.1	27.9	7.9 - 47.9	
^a IG #	0.31	0.28 - 0.34	0.81	0.61 - 1.01	1.95	1.37 - 2.54	
^a IG %	10.11	7.08 - 13.14	11.09	8.32 - 13.86	11.96	7.18 - 16.74	
^b HPC #	0.015	0.013 - 0.017	0.039	0.035 - 0.043	0.103	0.093 - 0.113	
^c RET-HE (pg)	24.4	17.1 - 31.7	25.2	18.9 - 31.5	26.4	15.8 - 37.0	
^d IPF (%)	21.4	18.2 - 24.6	22.0	18.7 - 25.3	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**

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Lot Number:		13130801		13130802		13130803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
C L O S E D	PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
	RBC (10 ¹² /L)	2.24	2.11 - 2.37	4.28	4.07 - 4.49	5.15	4.89 - 5.41
	HGB (g/dL)	5.8	5.5 - 6.1	12.3	11.7 - 12.9	16.1	15.3 - 16.9
	HCT (%)	17.5	16.3 - 18.7	35.8	33.7 - 37.9	46.0	43.2 - 48.8
	MCV (fL)	78.1	68.5 - 88.9	83.6	74.9 - 93.3	89.3	80.0 - 99.7
	MCH (pg)	25.8	23.0 - 29.2	28.6	26.0 - 31.8	31.4	28.3 - 34.6
	MCHC (g/dL)	33.0	29.1 - 37.8	34.3	30.8 - 38.4	35.1	31.4 - 39.1
	PLT (10 ⁹ /L)	55	27 - 82	206	175 - 237	477	406 - 549
	RDW-SD (fL)	43.2	38.9 - 47.5	44.4	40.0 - 48.8	43.9	39.5 - 48.3
	RDW-CV (%)	14.9	13.4 - 16.4	14.6	13.1 - 16.1	13.5	12.2 - 14.9
	MPV (fL)	9.2	8.5 - 9.9	9.4	8.8 - 10.0	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	2.93	2.49 - 3.37	6.93	6.30 - 7.55	16.00	14.72 - 17.28
	NEUT%	42.6	34.1 - 51.1	47.1	40.1 - 54.2	51.0	43.3 - 58.6
	LYMPH%	37.4	22.5 - 52.4	31.2	25.0 - 37.5	26.7	21.4 - 32.1
	MONO%	10.9	2.2 - 19.7	11.3	6.8 - 15.8	10.7	7.5 - 13.9
	EO%	9.1	6.4 - 11.8	10.4	7.3 - 13.5	11.6	8.7 - 14.5
	BASO%	62.2	43.6 - 80.9	67.1	47.0 - 87.3	72.0	54.0 - 90.1
	NEUT# (10 ⁹ /L)	1.25	1.00 - 1.50	3.26	2.77 - 3.75	8.16	6.93 - 9.38
	LYMPH# (10 ⁹ /L)	1.10	0.66 - 1.53	2.16	1.73 - 2.59	4.28	3.42 - 5.14
	MONO# (10 ⁹ /L)	0.32	0.06 - 0.58	0.78	0.31 - 1.25	1.72	1.03 - 2.40
	EO# (10 ⁹ /L)	0.27	0.19 - 0.35	0.72	0.50 - 0.94	1.85	1.39 - 2.31
	BASO# (10 ⁹ /L)	1.82	1.28 - 2.37	4.65	3.26 - 6.05	11.53	8.65 - 14.41
	NRBC# (10 ⁹ /L)	2.95	2.66 - 3.25	7.08	6.65 - 7.50	17.30	16.26 - 18.33
	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)	62	31 - 93	226	192 - 260	518	441 - 596
	RET# (10 ¹² /L)	0.1325	0.0928 - 0.1723	0.1110	0.0777 - 0.1443	0.0532	0.0372 - 0.0692
	RET%	5.91	4.14 - 7.68	2.59	1.81 - 3.37	1.03	0.72 - 1.34
	IRF (%)	41.6	21.6 - 61.6	36.1	16.1 - 56.1	27.9	7.9 - 47.9
	^a IG #	0.31	0.28 - 0.34	0.81	0.61 - 1.01	1.95	1.37 - 2.54
	^a IG %	10.11	7.08 - 13.14	11.09	8.32 - 13.86	11.96	7.18 - 16.74
	^b HPC #	0.015	0.013 - 0.017	0.039	0.035 - 0.043	0.103	0.093 - 0.113
	^c RET-HE (pg)	24.4	17.1 - 31.7	25.2	18.9 - 31.5	26.4	15.8 - 37.0
	^d IPF (%)	21.4	18.2 - 24.6	22.0	18.7 - 25.3	21.7	18.4 - 25.0

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