



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

Expiration Date: 2011-12-05		Quality Control Data Due Date #1: 24-Oct-11			Quality Control Data Due Date #2: 5-Dec-11				
Lot Number:		12580801		12580802		12580803			
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)	2.16	2.07 - 2.25	4.22	4.09 - 4.35	5.14	4.99 - 5.29		
	HGB (g/dL)	5.4	5.2 - 5.6	12.2	11.8 - 12.6	16.1	15.6 - 16.6		
	HCT (%)	16.4	15.6 - 17.2	35.7	34.1 - 37.3	46.1	44.0 - 48.2		
	MCV (fL)	76.2	69.4 - 83.0	84.6	78.4 - 91.1	89.6	83.2 - 96.6		
	MCH (pg)	25.1	23.1 - 27.1	28.9	27.2 - 30.7	31.3	29.5 - 33.3		
	MCHC (g/dL)	32.9	30.1 - 36.0	34.2	31.7 - 36.9	34.9	32.4 - 37.7		
	PLT (10 ⁹ /L)	54	32 - 76	214	190 - 238	510	464 - 556		
	RDW-SD (fL)	44.6	40.1 - 49.1	41.8	37.6 - 46.0	44.6	40.1 - 49.1		
	RDW-CV (%)	16.0	14.4 - 17.6	13.8	12.4 - 15.2	13.7	12.3 - 15.1		
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3		
	WBC (10 ⁹ /L)	3.01	2.71 - 3.31	7.17	6.74 - 7.60	16.71	15.71 - 17.71		
	NEUT%	45.0	36.0 - 54.0	48.1	40.9 - 55.3	51.3	43.6 - 59.0		
	LYMPH%	35.7	21.4 - 50.0	30.2	24.2 - 36.2	25.5	20.4 - 30.6		
	MONO%	9.8	2.0 - 17.6	10.8	6.5 - 15.1	11.8	8.3 - 15.3		
	EO%	9.5	6.7 - 12.4	10.9	7.6 - 14.2	11.4	8.6 - 14.3		
	BASO%	63.3	44.3 - 82.3	69.3	48.5 - 90.1	74.3	55.7 - 92.9		
	NEUT# (10 ⁹ /L)	1.36	1.09 - 1.63	3.45	2.93 - 3.97	8.58	7.29 - 9.87		
	LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	2.16	1.73 - 2.59	4.25	3.40 - 5.10		
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.78	0.31 - 1.25	1.98	1.19 - 2.77		
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.78	0.55 - 1.01	1.90	1.43 - 2.38		
	BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.97	3.48 - 6.46	12.42	9.32 - 15.53		
	NRBC# (10 ⁹ /L)	2.97	2.67 - 3.27	7.01	6.59 - 7.43	17.55	16.50 - 18.60		
	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	222	189 - 255	505	429 - 581		
	RET# (10 ¹² /L)	0.1181	0.0827 - 0.1535	0.0986	0.0690 - 0.1282	0.0586	0.0410 - 0.0762		
	RET%	5.47	3.83 - 7.11	2.34	1.64 - 3.04	1.14	0.80 - 1.48		
	IRF (%)	34.8	14.8 - 54.8	30.2	10.2 - 50.2	25.3	5.3 - 45.3		
	^a IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	2.00	1.40 - 2.60		
	^a IG %	10.70	7.49 - 13.91	11.41	8.56 - 14.26	11.96	7.18 - 16.74		
	^b HPC #	0.014	0.012 - 0.016	0.037	0.033 - 0.041	0.103	0.093 - 0.113		
^c RET-HE (pg)	24.2	16.9 - 31.5	25.0	18.8 - 31.3	26.3	15.8 - 36.8			
^d IPF (%)	21.5	18.3 - 24.7	21.7	18.4 - 25.0	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: 2011-12-05		Quality Control Data Due Date #1: 24-Oct-11			Quality Control Data Due Date #2: 5-Dec-11		
Lot Number:		12580801		12580802		12580803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS		MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
CLOSED	RBC (10 ¹² /L)	2.16	2.03 - 2.29	4.22	4.01 - 4.43	5.14	4.88 - 5.40
	HGB (g/dL)	5.4	5.1 - 5.7	12.2	11.6 - 12.8	16.1	15.3 - 16.9
	HCT (%)	16.4	15.3 - 17.5	35.7	33.6 - 37.8	46.1	43.3 - 48.9
	MCV (fL)	76.2	66.6 - 86.4	84.6	75.7 - 94.4	89.6	80.3 - 100.1
	MCH (pg)	25.1	22.2 - 28.2	28.9	26.2 - 32.0	31.3	28.3 - 34.6
	MCHC (g/dL)	32.9	28.9 - 37.5	34.2	30.6 - 38.2	34.9	31.3 - 39.0
	PLT (10 ⁹ /L)	53	26 - 79	205	175 - 236	474	403 - 545
	RDW-SD (fL)	44.6	40.1 - 49.1	41.8	37.6 - 46.0	44.6	40.1 - 49.1
	RDW-CV (%)	16.0	14.4 - 17.6	13.8	12.4 - 15.2	13.7	12.3 - 15.1
	MPV (fL)	9.2	8.5 - 9.9	9.5	8.9 - 10.1	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	2.92	2.48 - 3.36	6.81	6.20 - 7.42	16.38	15.07 - 17.69
	NEUT%	44.7	35.8 - 53.7	48.4	41.2 - 55.7	50.7	43.1 - 58.3
	LYMPH%	35.5	21.3 - 49.8	29.8	23.8 - 35.8	26.0	20.8 - 31.1
	MONO%	10.3	2.1 - 18.5	10.8	6.5 - 15.1	11.7	8.2 - 15.2
	EO%	9.4	6.6 - 12.3	11.0	7.7 - 14.3	11.6	8.7 - 14.5
	BASO%	64.1	44.9 - 83.3	67.9	47.5 - 88.2	72.8	54.6 - 91.0
	NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.30	2.80 - 3.79	8.31	7.06 - 9.55
	LYMPH# (10 ⁹ /L)	1.04	0.62 - 1.45	2.03	1.62 - 2.44	4.25	3.40 - 5.10
	MONO# (10 ⁹ /L)	0.30	0.06 - 0.54	0.73	0.29 - 1.17	1.92	1.15 - 2.69
	EO# (10 ⁹ /L)	0.28	0.19 - 0.36	0.75	0.52 - 0.97	1.90	1.43 - 2.38
	BASO# (10 ⁹ /L)	1.87	1.31 - 2.43	4.62	3.24 - 6.01	11.92	8.94 - 14.90
	NRBC# (10 ⁹ /L)	2.94	2.65 - 3.23	6.87	6.46 - 7.28	17.37	16.33 - 18.42
	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	218	185 - 250	495	421 - 569
	RET# (10 ¹² /L)	0.1181	0.0827 - 0.1535	0.0986	0.0690 - 0.1282	0.0586	0.0410 - 0.0762
	RET%	5.47	3.83 - 7.11	2.34	1.64 - 3.04	1.14	0.80 - 1.48
IRF (%)	34.8	14.8 - 54.8	30.2	10.2 - 50.2	25.3	5.3 - 45.3	
^a IG #	0.32	0.29 - 0.35	0.82	0.62 - 1.03	2.00	1.40 - 2.60	
^a IG %	10.70	7.49 - 13.91	11.41	8.56 - 14.26	11.96	7.18 - 16.74	
^b HPC #	0.014	0.012 - 0.016	0.037	0.033 - 0.041	0.103	0.093 - 0.113	
^c RET-HE (pg)	24.2	16.9 - 31.5	25.0	18.8 - 31.3	26.3	15.8 - 36.8	
^d IPF (%)	21.5	18.3 - 24.7	21.7	18.4 - 25.0	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.
^d IPF values are only available with the Sysmex XE-Series IPF Master software.