



**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:		01190801		01190802		01190803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
OPEN	RBC (10 ¹² /L)	2.25	2.16 - 2.34	4.33	4.20 - 4.46	5.20	5.04 - 5.36
	HGB (g/dL)	5.8	5.6 - 6.0	12.4	12.0 - 12.8	16.0	15.5 - 16.5
	HCT (%)	17.5	16.6 - 18.4	36.5	34.9 - 38.1	46.1	44.0 - 48.2
	MCV (fL)	77.8	71.0 - 85.1	84.3	78.2 - 90.8	88.6	82.2 - 95.5
	MCH (pg)	25.7	23.8 - 27.9	28.6	27.0 - 30.4	30.8	29.0 - 32.7
	MCHC (g/dL)	33.0	30.3 - 36.3	34.0	31.5 - 36.6	34.8	32.2 - 37.4
	PLT (10 ⁹ /L)	53	32 - 74	214	190 - 238	508	462 - 554
	RDW-SD (fL)	44.6	40.1 - 49.1	45.3	40.8 - 49.8	46.0	41.4 - 50.6
	RDW-CV (%)	15.6	14.0 - 17.2	14.9	13.4 - 16.4	14.5	13.1 - 16.0
	MPV (fL)	9.1	8.4 - 9.8	9.5	8.9 - 10.1	9.7	9.1 - 10.3
	WBC (10 ⁹ /L)	3.01	2.71 - 3.31	6.80	6.39 - 7.21	17.41	16.37 - 18.45
	NEUT%	43.6	34.9 - 52.3	49.8	42.3 - 57.3	53.7	45.6 - 61.8
	LYMPH%	34.8	20.9 - 48.7	27.7	22.2 - 33.2	24.0	19.2 - 28.8
	MONO%	12.0	2.4 - 21.6	11.6	7.0 - 16.2	11.2	7.8 - 14.6
	EO%	9.6	6.7 - 12.5	10.9	7.6 - 14.2	11.1	8.3 - 13.9
	BASO%	63.3	44.3 - 82.3	71.3	49.9 - 92.7	75.5	56.6 - 94.4
	NEUT# (10 ⁹ /L)	1.32	1.06 - 1.58	3.39	2.88 - 3.90	9.36	7.96 - 10.76
	LYMPH# (10 ⁹ /L)	1.05	0.63 - 1.47	1.88	1.50 - 2.26	4.17	3.34 - 5.00
	MONO# (10 ⁹ /L)	0.36	0.07 - 0.65	0.79	0.32 - 1.26	1.95	1.17 - 2.73
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.74	0.52 - 0.96	1.93	1.45 - 2.41
	BASO# (10 ⁹ /L)	1.91	1.34 - 2.48	4.85	3.40 - 6.31	13.14	9.86 - 16.43
	NRBC# (10 ⁹ /L)	2.93	2.64 - 3.22	6.66	6.26 - 7.06	17.92	16.84 - 19.00
	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)	57	31 - 83	216	184 - 248	514	437 - 591
	RET# (10 ¹² /L)	0.1510	0.1057 - 0.1963	0.1201	0.0841 - 0.1561	0.0568	0.0398 - 0.0738
	RET%	6.71	4.70 - 8.72	2.78	1.95 - 3.61	1.09	0.76 - 1.42
	IRF (%)	25.1	5.1 - 45.1	23.8	3.8 - 43.8	18.5	0.0 - 38.5
	^a IG #	0.31	0.28 - 0.34	0.80	0.60 - 1.00	2.20	1.54 - 2.86
	^a IG %	10.31	7.22 - 13.40	11.73	8.80 - 14.66	12.65	7.59 - 17.71
	^b HPC #	0.013	0.011 - 0.015	0.034	0.031 - 0.037	0.099	0.089 - 0.109
^c RET-HE (pg)	25.0	17.5 - 32.5	25.5	19.1 - 31.9	25.9	15.5 - 36.3	
^d IPF (%)	22.1	18.8 - 25.4	22.1	18.8 - 25.4	20.6	17.5 - 23.7	

^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:		01190801			01190802			01190803			
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)	2.25	2.12	- 2.39	4.33	4.11	- 4.55	5.20	4.94	- 5.46	
	HGB (g/dL)	5.8	5.5	- 6.1	12.4	11.8	- 13.0	16.0	15.2	- 16.8	
	HCT (%)	17.5	16.3	- 18.7	36.5	34.3	- 38.7	46.1	43.3	- 48.9	
	MCV (fL)	77.8	68.2	- 88.5	84.3	75.5	- 94.1	88.6	79.4	- 98.9	
	MCH (pg)	25.7	22.9	- 29.1	28.6	25.9	- 31.7	30.8	27.8	- 34.0	
	MCHC (g/dL)	33.0	29.1	- 37.8	34.0	30.4	- 37.9	34.8	31.1	- 38.8	
	PLT (10 ⁹ /L)	52	26	- 78	205	175	- 236	472	402	- 543	
	RDW-SD (fL)	44.6	40.1	- 49.1	45.3	40.8	- 49.8	46.0	41.4	- 50.6	
	RDW-CV (%)	15.6	14.0	- 17.2	14.9	13.4	- 16.4	14.5	13.1	- 16.0	
	MPV (fL)	9.1	8.4	- 9.8	9.5	8.9	- 10.1	9.7	9.1	- 10.3	
	WBC (10 ⁹ /L)	2.92	2.48	- 3.36	6.46	5.88	- 7.04	17.06	15.70	- 18.43	
	NEUT%	43.4	34.7	- 52.0	50.2	42.6	- 57.7	53.2	45.2	- 61.1	
	LYMPH%	34.9	20.9	- 48.8	27.4	21.9	- 32.8	24.4	19.6	- 29.3	
	MONO%	12.3	2.5	- 22.2	11.5	6.9	- 16.1	11.1	7.8	- 14.4	
	EO%	9.4	6.6	- 12.3	11.0	7.7	- 14.3	11.3	8.5	- 14.1	
	BASO%	64.1	44.9	- 83.3	69.8	48.9	- 90.8	73.9	55.5	- 92.4	
	NEUT# (10 ⁹ /L)	1.27	1.01	- 1.52	3.24	2.75	- 3.73	9.07	7.71	- 10.43	
	LYMPH# (10 ⁹ /L)	1.02	0.61	- 1.43	1.77	1.41	- 2.12	4.17	3.34	- 5.00	
	MONO# (10 ⁹ /L)	0.36	0.07	- 0.65	0.74	0.30	- 1.19	1.89	1.13	- 2.65	
	EO# (10 ⁹ /L)	0.28	0.19	- 0.36	0.71	0.50	- 0.92	1.93	1.45	- 2.41	
	BASO# (10 ⁹ /L)	1.87	1.31	- 2.43	4.51	3.16	- 5.86	12.61	9.46	- 15.77	
	NRBC# (10 ⁹ /L)	2.90	2.61	- 3.19	6.53	6.14	- 6.92	17.74	16.68	- 18.81	
	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)	54	27	- 81	212	180	- 243	504	428	- 579	
	RET# (10 ¹² /L)	0.1510	0.1057	- 0.1963	0.1201	0.0841	- 0.1561	0.0568	0.0398	- 0.0738	
	RET%	6.71	4.70	- 8.72	2.78	1.95	- 3.61	1.09	0.76	- 1.42	
	IRF (%)	25.1	5.1	- 45.1	23.8	3.8	- 43.8	18.5	0.0	- 38.5	
^a IG #	0.31	0.28	- 0.34	0.80	0.60	- 1.00	2.20	1.54	- 2.86		
^a IG %	10.31	7.22	- 13.40	11.73	8.80	- 14.66	12.65	7.59	- 17.71		
^b HPC #	0.013	0.011	- 0.015	0.034	0.031	- 0.037	0.099	0.089	- 0.109		
^c RET-HE (pg)	25.0	17.5	- 32.5	25.5	19.1	- 31.9	25.9	15.5	- 36.3		
^d IPF (%)	22.1	18.8	- 25.4	22.1	18.8	- 25.4	20.6	17.5	- 23.7		

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