



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

Expiration Date: 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10		
Lot Number:		01730801		01730802		01730803	
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)	2.30	2.21 - 2.39	4.33	4.20 - 4.46	5.22	5.06 - 5.38
	HGB (g/dL)	5.8	5.6 - 6.0	11.9	11.5 - 12.3	16.1	15.6 - 16.6
	HCT (%)	17.6	16.7 - 18.5	34.7	33.1 - 36.3	45.6	43.5 - 47.7
	MCV (fL)	76.2	69.9 - 83.7	80.2	74.3 - 86.3	87.3	81.0 - 94.1
	MCH (pg)	25.0	23.3 - 27.3	27.4	25.9 - 29.2	30.7	29.0 - 32.8
	MCHC (g/dL)	32.8	30.1 - 36.1	34.2	31.8 - 37.0	35.2	32.8 - 38.1
	PLT (10 ⁹ /L)	53	32 - 74	215	191 - 239	504	459 - 549
	RDW-SD (fL)	45.9	41.3 - 50.5	45.0	40.5 - 49.5	45.7	41.1 - 50.3
	RDW-CV (%)	16.5	14.9 - 18.2	15.4	13.9 - 16.9	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)	2.95	2.66 - 3.25	6.86	6.45 - 7.27	16.54	15.55 - 17.53
	NEUT%	46.3	37.0 - 55.6	48.3	41.1 - 55.5	53.5	45.5 - 61.5
	LYMPH%	33.3	20.0 - 46.6	29.8	23.8 - 35.8	24.8	19.8 - 29.8
	MONO%	10.6	2.1 - 19.1	11.2	6.7 - 15.7	10.6	7.4 - 13.8
	EO%	9.7	6.8 - 12.6	10.7	7.5 - 13.9	11.1	8.3 - 13.9
	BASO%	65.5	45.9 - 85.2	70.2	49.1 - 91.3	75.4	56.6 - 94.3
	NEUT# (10 ⁹ /L)	1.37	1.10 - 1.64	3.31	2.81 - 3.81	8.85	7.52 - 10.18
	LYMPH# (10 ⁹ /L)	0.98	0.59 - 1.37	2.04	1.63 - 2.45	4.11	3.29 - 4.93
	MONO# (10 ⁹ /L)	0.31	0.06 - 0.56	0.77	0.31 - 1.23	1.76	1.06 - 2.46
	EO# (10 ⁹ /L)	0.29	0.20 - 0.38	0.73	0.51 - 0.95	1.83	1.37 - 2.29
	BASO# (10 ⁹ /L)	1.93	1.35 - 2.51	4.81	3.37 - 6.25	12.47	9.35 - 15.59
	NRBC# (10 ⁹ /L)	2.87	2.58 - 3.16	6.59	6.19 - 6.99	17.01	15.99 - 18.03
	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	210	179 - 242	508	432 - 584
	RET# (10 ¹² /L)	0.1562	0.1093 - 0.2031	0.1162	0.0813 - 0.1511	0.0624	0.0437 - 0.0811
	RET%	6.78	4.75 - 8.81	2.69	1.88 - 3.50	1.19	0.83 - 1.55
	IRF (%)	27.7	7.7 - 47.7	22.8	2.8 - 42.8	17.4	0.0 - 37.4
	^a IG #	0.32	0.29 - 0.35	0.77	0.58 - 0.96	2.03	1.42 - 2.64
	^a IG %	10.93	7.65 - 14.21	11.27	8.45 - 14.09	12.27	7.36 - 17.18
	^b HPC #	0.014	0.012 - 0.016	0.035	0.032 - 0.039	0.095	0.086 - 0.105
^c RET-HE (pg)	24.4	17.1 - 31.7	24.8	18.6 - 31.0	25.2	15.1 - 35.3	
^d IPF (%)	21.6	18.4 - 24.8	22.2	18.9 - 25.5	22.3	19.0 - 25.6	

^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		2010-09-13		Quality Control Data Due Date #1:		2-Aug-10		Quality Control Data Due Date #2:		13-Sep-10	
Lot Number:		01730801			01730802			01730803			
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)	2.30	2.16	- 2.44	4.33	4.11	- 4.55	5.22	4.96	- 5.48	
	HGB (g/dL)	5.8	5.5	- 6.1	11.9	11.3	- 12.5	16.1	15.3	- 16.9	
	HCT (%)	17.6	16.4	- 18.8	34.7	32.6	- 36.8	45.6	42.9	- 48.3	
	MCV (fL)	76.2	67.1	- 87.1	80.2	71.7	- 89.4	87.3	78.2	- 97.5	
	MCH (pg)	25.0	22.4	- 28.4	27.4	24.9	- 30.4	30.7	27.9	- 34.1	
	MCHC (g/dL)	32.8	29.0	- 37.6	34.2	30.7	- 38.3	35.2	31.6	- 39.4	
	PLT (10 ⁹ /L)	52	26	- 78	206	175	- 237	469	398	- 539	
	RDW-SD (fL)	45.9	41.3	- 50.5	45.0	40.5	- 49.5	45.7	41.1	- 50.3	
	RDW-CV (%)	16.5	14.9	- 18.2	15.4	13.9	- 16.9	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)	2.86	2.43	- 3.29	6.52	5.93	- 7.10	16.21	14.91	- 17.51	
	NEUT%	46.3	37.1	- 55.6	48.7	41.4	- 56.0	52.8	44.9	- 60.7	
	LYMPH%	33.2	19.9	- 46.5	29.4	23.5	- 35.3	25.4	20.3	- 30.4	
	MONO%	10.8	2.2	- 19.5	11.1	6.7	- 15.5	10.5	7.4	- 13.7	
	EO%	9.6	6.7	- 12.5	10.8	7.5	- 14.0	11.3	8.5	- 14.1	
	BASO%	66.1	46.3	- 85.9	68.6	48.0	- 89.2	73.9	55.4	- 92.3	
	NEUT# (10 ⁹ /L)	1.33	1.06	- 1.59	3.17	2.70	- 3.65	8.56	7.28	- 9.85	
	LYMPH# (10 ⁹ /L)	0.95	0.57	- 1.33	1.92	1.53	- 2.30	4.11	3.29	- 4.93	
	MONO# (10 ⁹ /L)	0.31	0.06	- 0.56	0.72	0.29	- 1.16	1.71	1.02	- 2.39	
	EO# (10 ⁹ /L)	0.28	0.19	- 0.36	0.70	0.49	- 0.91	1.83	1.37	- 2.29	
	BASO# (10 ⁹ /L)	1.89	1.32	- 2.46	4.47	3.13	- 5.82	11.97	8.98	- 14.96	
	NRBC# (10 ⁹ /L)	2.84	2.56	- 3.13	6.46	6.07	- 6.85	16.84	15.83	- 17.85	
	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	206	175	- 237	498	423	- 573	
	RET# (10 ¹² /L)	0.1562	0.1093	- 0.2031	0.1162	0.0813	- 0.1511	0.0624	0.0437	- 0.0811	
	RET%	6.78	4.75	- 8.81	2.69	1.88	- 3.50	1.19	0.83	- 1.55	
	IRF (%)	27.7	7.7	- 47.7	22.8	2.8	- 42.8	17.4	0.0	- 37.4	
	^a IG #	0.32	0.29	- 0.35	0.77	0.58	- 0.96	2.03	1.42	- 2.64	
^a IG %	10.93	7.65	- 14.21	11.27	8.45	- 14.09	12.27	7.36	- 17.18		
^b HPC #	0.014	0.012	- 0.016	0.035	0.032	- 0.039	0.095	0.086	- 0.105		
^c RET-HE (pg)	24.4	17.1	- 31.7	24.8	18.6	- 31.0	25.2	15.1	- 35.3		
^d IPF (%)	21.6	18.4	- 24.8	22.2	18.9	- 25.5	22.3	19.0	- 25.6		

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