



HEMATOLOGY CONTROL FOR SYSMEX XE-2100™, XE-2100D™ and XE-2100L™ ANALYZERS
OPEN MODE ASSAY

Expiration Date: 2019-08-05		Quality Control Data Due Date #1: 24-Jun-19				Quality Control Data Due Date #2: 5-Aug-19			
Lot Number: 91350801		91350802				91350803			
Control: L1:Level 1		L2:Level 2				L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.30	2.21	- 2.39	4.38	4.25	- 4.51	5.27	5.11	- 5.43
HGB (g/dL)	5.6	5.4	- 5.8	11.9	11.6	- 12.3	15.7	15.2	- 16.2
HCT (%)	17.2	16.2	- 18.2	34.7	33.0	- 36.4	44.7	42.5	- 46.9
MCV (fL)	74.8	70.3	- 79.3	79.2	74.4	- 84.0	84.8	80.6	- 89.0
MCH (pg)	24.4	23.2	- 25.6	27.2	26.1	- 28.3	29.8	28.6	- 31.0
MCHC (g/dL)	32.7	30.1	- 35.3	34.3	31.9	- 36.7	35.1	32.6	- 37.6
PLT (10 ⁹ /L)	58	45	- 71	228	205	- 251	549	505	- 593
RDW-SD (fL)	44.0	40.0	- 48.0	45.6	41.5	- 49.7	45.8	41.7	- 49.9
RDW-CV (%)	16.3	15.0	- 17.6	15.8	14.9	- 16.7	15.0	14.1	- 15.9
MPV (fL)	8.6	7.5	- 9.7	9.0	8.3	- 9.7	9.1	8.5	- 9.7
WBC (10 ⁹ /L)	2.99	2.63	- 3.35	7.00	6.37	- 7.63	16.39	15.08	- 17.70
NEUT%	43.2	37.2	- 49.2	47.2	42.5	- 51.9	51.1	46.0	- 56.2
LYMPH%	38.1	31.2	- 45.0	34.4	29.2	- 39.6	29.2	24.8	- 33.6
MONO%	9.7	4.5	- 14.9	8.7	5.3	- 12.1	8.8	5.4	- 12.2
EO%	9.0	5.6	- 12.4	9.7	6.1	- 13.3	10.9	7.0	- 14.8
BASO%	63.9	56.9	- 70.9	66.9	62.2	- 71.6	72.7	69.1	- 76.3
NEUT# (10 ⁹ /L)	1.29	1.03	- 1.55	3.30	2.81	- 3.80	8.38	7.29	- 9.47
LYMPH# (10 ⁹ /L)	1.14	0.88	- 1.40	2.41	1.95	- 2.87	4.79	3.98	- 5.60
MONO# (10 ⁹ /L)	0.29	0.13	- 0.45	0.61	0.35	- 0.87	1.44	0.86	- 2.02
EO# (10 ⁹ /L)	0.27	0.16	- 0.38	0.68	0.41	- 0.95	1.78	1.12	- 2.44
BASO# (10 ⁹ /L)	1.91	1.57	- 2.25	4.68	4.07	- 5.29	11.92	10.73	- 13.11
NRBC# (10 ⁹ /L)	2.91	2.42	- 3.40	6.76	5.88	- 7.64	16.79	14.78	- 18.80
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)	60	40	- 80	219	182	- 256	535	455	- 615
RET# (10 ¹² /L)	0.1439	0.0993	- 0.1885	0.1119	0.0783	- 0.1455	0.0617	0.0444	- 0.0790
RET%	6.25	4.50	- 8.00	2.54	1.85	- 3.23	1.17	0.76	- 1.58
IRF (%)	43.7	7.4	- 80.0	37.1	3.0	- 71.2	27.0	1.4	- 52.7
^a IG #	0.30	0.23	- 0.38	0.77	0.61	- 0.93	1.95	1.56	- 2.34
^a IG %	10.07	7.96	- 12.18	11.00	8.91	- 13.09	11.91	9.65	- 14.17
^b HPC #	0.012	0.008	- 0.016	0.028	0.021	- 0.035	0.080	0.060	- 0.100
^c RET-He (pg)	23.7	20.4	- 27.0	24.3	20.9	- 27.7	25.7	21.6	- 29.8
^d IPF (%)	21.7	17.6	- 25.8	21.6	17.5	- 25.7	22.2	18.0	- 26.4

^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.

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CLOSED MODE ASSAY

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RBC (10 ¹² /L)	2.30	2.21	- 2.39	4.38	4.25	- 4.51	5.22	5.06	- 5.38
HGB (g/dL)	5.7	5.4	- 5.9	11.9	11.5	- 12.2	15.5	15.1	- 16.0
HCT (%)	17.2	16.2	- 18.2	34.7	33.0	- 36.4	44.7	42.5	- 46.9
MCV (fL)	74.8	70.3	- 79.3	79.2	74.4	- 84.0	85.6	81.3	- 89.9
MCH (pg)	24.6	23.4	- 25.8	27.1	26.0	- 28.2	29.8	28.6	- 31.0
MCHC (g/dL)	32.8	30.2	- 35.4	34.1	31.7	- 36.5	34.8	32.4	- 37.2
PLT (10 ⁹ /L)	58	45	- 71	223	201	- 245	516	475	- 557
RDW-SD (fL)	43.6	39.7	- 47.5	45.1	41.0	- 49.2	45.8	41.7	- 49.9
RDW-CV (%)	16.1	14.8	- 17.4	15.6	14.7	- 16.5	15.0	14.1	- 15.9
MPV (fL)	8.6	7.5	- 9.7	9.0	8.3	- 9.7	9.1	8.5	- 9.7
WBC (10 ⁹ /L)	2.90	2.55	- 3.25	6.58	5.99	- 7.17	16.06	14.78	- 17.34
NEUT%	43.7	37.6	- 49.8	46.7	42.0	- 51.4	51.3	46.2	- 56.4
LYMPH%	37.6	30.8	- 44.4	34.8	29.6	- 40.0	29.0	24.7	- 33.4
MONO%	9.7	4.5	- 14.9	8.8	5.4	- 12.2	8.7	5.3	- 12.1
EO%	9.0	5.6	- 12.4	9.7	6.1	- 13.3	11.0	7.0	- 15.0
BASO%	63.8	56.8	- 70.8	67.6	62.9	- 72.3	72.7	69.1	- 76.3
NEUT# (10 ⁹ /L)	1.27	1.02	- 1.52	3.07	2.61	- 3.53	8.25	7.18	- 9.32
LYMPH# (10 ⁹ /L)	1.09	0.84	- 1.34	2.29	1.85	- 2.73	4.65	3.86	- 5.44
MONO# (10 ⁹ /L)	0.28	0.12	- 0.44	0.58	0.34	- 0.82	1.40	0.84	- 1.96
EO# (10 ⁹ /L)	0.26	0.16	- 0.36	0.64	0.39	- 0.89	1.76	1.11	- 2.41
BASO# (10 ⁹ /L)	1.85	1.52	- 2.18	4.45	3.87	- 5.03	11.68	10.51	- 12.85
NRBC# (10 ⁹ /L)	2.88	2.39	- 3.37	6.49	5.65	- 7.33	16.62	14.63	- 18.61
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	40	- 82	219	182	- 256	519	441	- 597
RET# (10 ¹² /L)	0.1410	0.0973	- 0.1847	0.1108	0.0776	- 0.1440	0.0614	0.0442	- 0.0786
RET%	6.13	4.41	- 7.85	2.51	1.83	- 3.19	1.16	0.75	- 1.57
IRF (%)	41.5	7.1	- 75.9	37.1	3.0	- 71.2	28.1	1.4	- 54.8
^a IG #	0.29	0.22	- 0.36	0.72	0.57	- 0.87	1.89	1.51	- 2.27
^a IG %	10.07	7.96	- 12.18	11.00	8.91	- 13.09	11.91	9.65	- 14.17
^b HPC #	0.012	0.008	- 0.016	0.028	0.021	- 0.035	0.080	0.060	- 0.100
^c RET-He (pg)	23.2	20.0	- 26.4	23.8	20.5	- 27.1	25.2	21.2	- 29.2
^d IPF (%)	21.7	17.6	- 25.8	21.6	17.5	- 25.7	22.2	18.0	- 26.4

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