



e-CHECK™ (XE)

**HEMATOLOGY CONTROL FOR SYSMEX XE-5000™ and XE-2100™ ANALYZERS
OPEN MODE ASSAY**

Expiration Date: 2019-07-08		Quality Control Data Due Date #1: 27-May-19				Quality Control Data Due Date #2: 08-Jul-19			
Lot Number:		91090810		91090811		91090812			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.34	2.25	- 2.43	4.38	4.25	- 4.51	5.32	5.16	- 5.48
HGB (g/dL)	5.7	5.5	- 5.9	12.0	11.6	- 12.4	16.6	16.1	- 17.1
HCT (%)	17.5	16.5	- 18.6	35.5	33.7	- 37.3	47.3	44.9	- 49.7
MCV (fL)	74.8	70.3	- 79.3	81.1	76.2	- 86.0	88.9	84.5	- 93.3
MCH (pg)	24.4	23.2	- 25.6	27.4	26.3	- 28.5	31.2	30.0	- 32.4
MCHC (g/dL)	32.6	30.0	- 35.2	33.8	31.4	- 36.2	35.1	32.6	- 37.6
PLT (10 ⁹ /L)	56	43	- 69	225	203	- 248	543	500	- 586
RDW-SD (fL)	44.4	40.4	- 48.4	45.1	41.0	- 49.2	43.1	39.2	- 47.0
RDW-CV (%)	16.3	15.0	- 17.6	15.5	14.6	- 16.4	13.5	12.7	- 14.3
MPV (fL)	8.7	7.6	- 9.8	9.0	8.3	- 9.7	9.2	8.6	- 9.8
WBC (10 ⁹ /L)	3.10	2.73	- 3.47	6.93	6.31	- 7.55	17.82	16.39	- 19.25
WBC-D (10 ⁹ /L)	2.85	2.51	- 3.19	6.42	5.84	- 7.00	16.58	15.09	- 18.07
NEUT%	41.8	35.9	- 47.7	47.3	42.6	- 52.0	51.2	46.1	- 56.3
LYMPH%	39.3	32.2	- 46.4	33.7	28.6	- 38.8	29.4	25.0	- 33.8
MONO%	9.4	4.3	- 14.5	8.5	5.2	- 11.8	8.3	5.1	- 11.5
EO%	9.1	5.6	- 12.6	10.2	6.4	- 14.0	11.1	7.1	- 15.1
BASO%	60.9	54.2	- 67.6	65.9	61.3	- 70.5	70.8	68.0	- 73.6
NEUT# (10 ⁹ /L)	1.30	1.04	- 1.56	3.28	2.79	- 3.77	9.12	7.93	- 10.31
LYMPH# (10 ⁹ /L)	1.22	0.94	- 1.50	2.33	1.89	- 2.77	5.24	4.35	- 6.13
MONO# (10 ⁹ /L)	0.29	0.13	- 0.45	0.59	0.34	- 0.84	1.48	0.89	- 2.07
EO# (10 ⁹ /L)	0.28	0.17	- 0.39	0.71	0.43	- 0.99	1.98	1.25	- 2.71
BASO# (10 ⁹ /L)	1.89	1.55	- 2.23	4.57	3.98	- 5.16	12.62	11.36	- 13.88
NRBC# (10 ⁹ /L)	0.15	0.07	- 0.23	0.40	0.27	- 0.53	0.96	0.75	- 1.17
NRBC% (/100 WBC)	5.1	2.3	- 7.9	6.1	4.1	- 8.1	5.7	4.5	- 6.9
PLT-O (10 ⁹ /L)	60	40	- 80	223	185	- 261	546	464	- 628
RET# (10 ¹² /L)	0.1262	0.0871	- 0.1653	0.1042	0.0729	- 0.1355	0.0519	0.0374	- 0.0664
RET%	5.40	3.89	- 6.91	2.38	1.74	- 3.02	0.97	0.63	- 1.31
IRF (%)	47.4	8.1	- 86.7	43.4	3.5	- 83.3	28.5	1.4	- 55.6
IG #	0.31	0.23	- 0.39	0.77	0.61	- 0.93	2.13	1.70	- 2.56
IG %	9.9	7.8	- 12.0	11.1	9.0	- 13.2	12.0	9.7	- 14.3
HPC #	0.011	0.008	- 0.014	0.030	0.023	- 0.038	0.084	0.063	- 0.105
RET-He (pg)	23.8	20.5	- 27.1	24.6	21.2	- 28.0	26.1	21.9	- 30.3
IPF %	22.2	18.0	- 26.4	22.2	18.0	- 26.4	21.7	17.6	- 25.8

*Not all parameters are available on all analyzer models



e-CHECK™ (XE)

**HEMATOLOGY CONTROL FOR SYSMEX XE-5000™ and XE-2100™ ANALYZERS
CLOSED MODE ASSAY**

Expiration Date: 2019-07-08		Quality Control Data Due Date #1: 27-May-19				Quality Control Data Due Date #2: 08-Jul-19			
Lot Number:		91090810		91090811		91090812			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.34	2.25	- 2.43	4.38	4.25	- 4.51	5.24	5.08	- 5.40
HGB (g/dL)	5.7	5.5	- 6.0	11.9	11.6	- 12.3	16.4	16.0	- 16.9
HCT (%)	17.5	16.5	- 18.6	35.5	33.7	- 37.3	47.3	44.9	- 49.7
MCV (fL)	74.8	70.3	- 79.3	81.1	76.2	- 86.0	90.3	85.8	- 94.8
MCH (pg)	24.5	23.3	- 25.7	27.3	26.2	- 28.4	31.4	30.1	- 32.7
MCHC (g/dL)	32.8	30.2	- 35.4	33.6	31.2	- 36.0	34.8	32.4	- 37.2
PLT (10 ⁹ /L)	56	43	- 69	221	199	- 243	505	465	- 545
RDW-SD (fL)	44.4	40.4	- 48.4	45.1	41.0	- 49.2	43.1	39.2	- 47.0
RDW-CV (%)	16.3	15.0	- 17.6	15.5	14.6	- 16.4	13.5	12.7	- 14.3
MPV (fL)	8.7	7.6	- 9.8	9.0	8.3	- 9.7	9.2	8.6	- 9.8
WBC (10 ⁹ /L)	3.01	2.65	- 3.37	6.51	5.92	- 7.10	17.29	15.91	- 18.67
WBC-D (10 ⁹ /L)	2.76	2.43	- 3.09	6.23	5.67	- 6.79	15.59	14.18	- 16.99
NEUT%	42.2	36.3	- 48.1	47.3	42.6	- 52.0	50.5	45.5	- 55.6
LYMPH%	39.2	32.1	- 46.3	33.9	28.8	- 39.0	29.4	25.0	- 33.8
MONO%	9.6	4.4	- 14.8	8.4	5.1	- 11.7	8.6	5.2	- 12.0
EO%	9.0	5.6	- 12.4	10.4	6.6	- 14.2	11.5	7.4	- 15.6
BASO%	61.5	54.7	- 68.3	66.7	62.0	- 71.4	71.5	68.6	- 74.4
NEUT# (10 ⁹ /L)	1.27	1.02	- 1.52	3.07	2.61	- 3.53	8.75	7.61	- 9.89
LYMPH# (10 ⁹ /L)	1.18	0.91	- 1.45	2.21	1.79	- 2.63	5.08	4.22	- 5.94
MONO# (10 ⁹ /L)	0.29	0.13	- 0.45	0.55	0.32	- 0.78	1.48	0.89	- 2.07
EO# (10 ⁹ /L)	0.27	0.16	- 0.38	0.68	0.41	- 0.95	1.98	1.25	- 2.71
BASO# (10 ⁹ /L)	1.85	1.52	- 2.18	4.34	3.78	- 4.90	12.37	11.13	- 13.61
NRBC# (10 ⁹ /L)	0.14	0.06	- 0.22	0.38	0.25	- 0.51	0.95	0.74	- 1.16
NRBC% (/100 WBC)	5.1	2.3	- 7.9	6.1	4.1	- 8.1	5.7	4.5	- 6.9
PLT-O (10 ⁹ /L)	60	40	- 80	223	185	- 261	530	450	- 609
RET# (10 ¹² /L)	0.1262	0.0871	- 0.1653	0.1042	0.0729	- 0.1355	0.0519	0.0374	- 0.0664
RET%	5.40	3.89	- 6.91	2.38	1.74	- 3.02	0.97	0.63	- 1.31
IRF (%)	47.4	8.1	- 86.7	43.4	3.5	- 83.3	28.5	1.4	- 55.6
IG #	0.30	0.23	- 0.38	0.77	0.61	- 0.93	2.13	1.70	- 2.56
IG %	9.9	7.8	- 12.0	11.1	9.0	- 13.2	12.0	9.7	- 14.3
HPC #	0.011	0.008	- 0.014	0.030	0.023	- 0.038	0.084	0.063	- 0.105
RET-He (pg)	23.8	20.5	- 27.1	24.6	21.2	- 28.0	26.1	21.9	- 30.3
IPF %	22.2	18.0	- 26.4	22.2	18.0	- 26.4	21.7	17.6	- 25.8

*Not all parameters are available on all analyzer models