



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:		91070810		91070811		91070812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.29	2.20 - 2.38	4.35	4.22 - 4.48	5.23	5.07 - 5.39	
HGB (g/dL)	5.5	5.3 - 5.8	12.1	11.7 - 12.4	16.2	15.8 - 16.7	
HCT (%)	17.0	16.0 - 18.0	35.8	34.0 - 37.6	46.7	44.4 - 49.0	
MCV (fL)	74.2	69.7 - 78.7	82.3	77.4 - 87.2	89.3	84.8 - 93.8	
MCH (pg)	24.1	22.9 - 25.3	27.7	26.6 - 28.8	31.1	29.9 - 32.3	
MCHC (g/dL)	32.5	29.9 - 35.1	33.7	31.3 - 36.1	34.8	32.4 - 37.2	
PLT (10 ⁹ /L)	54	42 - 66	223	201 - 245	548	504 - 592	
RDW-SD (fL)	44.6	40.6 - 48.6	46.5	42.3 - 50.7	45.4	41.3 - 49.5	
RDW-CV (%)	16.5	15.2 - 17.8	15.7	14.8 - 16.6	14.2	13.3 - 15.1	
MPV (fL)	8.9	7.7 - 10.1	9.2	8.5 - 9.9	9.4	8.7 - 10.1	
WBC (10 ⁹ /L)	3.06	2.69 - 3.43	6.97	6.34 - 7.60	18.07	16.62 - 19.52	
WBC-D (10 ⁹ /L)	2.85	2.51 - 3.19	6.39	5.81 - 6.97	16.58	15.09 - 18.07	
NEUT%	42.1	36.2 - 48.0	48.7	43.8 - 53.6	51.1	46.0 - 56.2	
LYMPH%	39.1	32.1 - 46.1	32.8	27.9 - 37.7	29.6	25.2 - 34.0	
MONO%	9.2	4.2 - 14.2	8.1	4.9 - 11.3	8.2	5.0 - 11.4	
EO%	9.2	5.7 - 12.7	10.2	6.4 - 14.0	11.0	7.0 - 15.0	
BASO%	60.4	53.8 - 67.0	66.3	61.7 - 70.9	69.9	67.1 - 72.7	
NEUT# (10 ⁹ /L)	1.29	1.03 - 1.55	3.40	2.89 - 3.91	9.25	8.05 - 10.45	
LYMPH# (10 ⁹ /L)	1.20	0.92 - 1.48	2.28	1.85 - 2.71	5.34	4.43 - 6.25	
MONO# (10 ⁹ /L)	0.28	0.12 - 0.44	0.56	0.32 - 0.80	1.48	0.89 - 2.07	
EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.71	0.43 - 0.99	1.99	1.25 - 2.73	
BASO# (10 ⁹ /L)	1.85	1.52 - 2.18	4.62	4.02 - 5.22	12.63	11.37 - 13.89	
NRBC# (10 ⁹ /L)	0.14	0.06 - 0.22	0.44	0.29 - 0.59	1.13	0.88 - 1.38	
NRBC% (/100 WBC)	4.9	2.2 - 7.6	6.7	4.5 - 8.9	6.7	5.3 - 8.1	
PLT-O (10 ⁹ /L)	61	40 - 82	224	186 - 262	554	471 - 637	
RET# (10 ¹² /L)	0.1332	0.0919 - 0.1745	0.0941	0.0659 - 0.1223	0.0487	0.0351 - 0.0623	
RET%	5.83	4.20 - 7.46	2.16	1.58 - 2.74	0.93	0.60 - 1.26	
IRF (%)	43.5	7.4 - 79.6	35.4	2.8 - 68.0	26.5	1.3 - 51.7	
IG #	0.31	0.23 - 0.39	0.80	0.63 - 0.97	2.16	1.73 - 2.59	
IG %	10.0	7.9 - 12.1	11.5	9.3 - 13.7	11.9	9.6 - 14.2	
HPC #	0.011	0.008 - 0.014	0.029	0.022 - 0.036	0.083	0.062 - 0.104	
RET-He (pg)	23.4	20.1 - 26.7	24.3	20.9 - 27.7	26.0	21.8 - 30.2	
IPF %	21.8	17.7 - 25.9	21.7	17.6 - 25.8	21.6	17.5 - 25.7	

*Not all parameters are available on all analyzer models

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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:		91070810		91070811		91070812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.29	2.20 - 2.38	4.35	4.22 - 4.48	5.15	5.00 - 5.30	
HGB (g/dL)	5.6	5.3 - 5.8	12.0	11.6 - 12.4	16.1	15.6 - 16.6	
HCT (%)	17.0	16.0 - 18.0	35.8	34.0 - 37.6	46.7	44.4 - 49.0	
MCV (fL)	74.2	69.7 - 78.7	82.3	77.4 - 87.2	90.7	86.2 - 95.2	
MCH (pg)	24.3	23.1 - 25.5	27.6	26.5 - 28.7	31.2	30.0 - 32.4	
MCHC (g/dL)	32.7	30.1 - 35.3	33.5	31.2 - 35.8	34.4	32.0 - 36.8	
PLT (10 ⁹ /L)	54	42 - 66	219	197 - 241	510	469 - 550	
RDW-SD (fL)	44.6	40.6 - 48.6	46.5	42.3 - 50.7	45.4	41.3 - 49.5	
RDW-CV (%)	16.5	15.2 - 17.8	15.7	14.8 - 16.6	14.2	13.3 - 15.1	
MPV (fL)	8.9	7.7 - 10.1	9.2	8.5 - 9.9	9.4	8.7 - 10.1	
WBC (10 ⁹ /L)	2.97	2.61 - 3.33	6.55	5.96 - 7.14	17.53	16.13 - 18.93	
WBC-D (10 ⁹ /L)	2.76	2.43 - 3.09	6.20	5.64 - 6.76	15.59	14.18 - 16.99	
NEUT%	42.4	36.5 - 48.3	48.7	43.8 - 53.6	50.7	45.6 - 55.8	
LYMPH%	39.1	32.1 - 46.1	33.0	28.1 - 38.0	29.5	25.1 - 33.9	
MONO%	9.4	4.3 - 14.5	7.9	4.8 - 11.0	8.4	5.1 - 11.7	
EO%	9.1	5.6 - 12.6	10.4	6.6 - 14.2	11.4	7.3 - 15.5	
BASO%	60.9	54.2 - 67.6	67.0	62.3 - 71.7	70.6	67.8 - 73.4	
NEUT# (10 ⁹ /L)	1.26	1.01 - 1.51	3.19	2.71 - 3.67	8.88	7.73 - 10.03	
LYMPH# (10 ⁹ /L)	1.16	0.89 - 1.43	2.16	1.75 - 2.57	5.18	4.30 - 6.06	
MONO# (10 ⁹ /L)	0.28	0.12 - 0.44	0.52	0.30 - 0.74	1.48	0.89 - 2.07	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.68	0.41 - 0.95	1.99	1.25 - 2.73	
BASO# (10 ⁹ /L)	1.81	1.48 - 2.14	4.39	3.82 - 4.96	12.38	11.14 - 13.62	
NRBC# (10 ⁹ /L)	0.13	0.06 - 0.20	0.42	0.28 - 0.56	1.12	0.87 - 1.36	
NRBC% (/100 WBC)	4.9	2.2 - 7.6	6.7	4.5 - 8.9	6.7	5.3 - 8.1	
PLT-O (10 ⁹ /L)	61	40 - 82	224	186 - 262	537	457 - 618	
RET# (10 ¹² /L)	0.1332	0.0919 - 0.1745	0.0941	0.0659 - 0.1223	0.0487	0.0351 - 0.0623	
RET%	5.83	4.20 - 7.46	2.16	1.58 - 2.74	0.93	0.60 - 1.26	
IRF (%)	43.5	7.4 - 79.6	35.4	2.8 - 68.0	26.5	1.3 - 51.7	
IG #	0.30	0.23 - 0.38	0.80	0.63 - 0.97	2.16	1.73 - 2.59	
IG %	10.0	7.9 - 12.1	11.5	9.3 - 13.7	11.9	9.6 - 14.2	
HPC #	0.011	0.008 - 0.014	0.029	0.022 - 0.036	0.083	0.062 - 0.104	
RET-He (pg)	23.4	20.1 - 26.7	24.3	20.9 - 27.7	26.0	21.8 - 30.2	
IPF %	21.8	17.7 - 25.9	21.7	17.6 - 25.8	21.6	17.5 - 25.7	

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