



**e-CHECK™ (XE)**

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

Expiration Date: <b>2019-10-28</b>		Quality Control Data Due Date #1: 16-Sep-19			Quality Control Data Due Date #2: 28-Oct-19		
Lot Number: 92190810		92190811			92190812		
Control: L1:Level 1		L2:Level 2			L3:Level 3		
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.31	2.22 - 2.40	4.38	4.25 - 4.51	5.27	5.11 - 5.43	
HGB (g/dL)	5.6	5.4 - 5.8	12.5	12.1 - 12.9	16.6	16.1 - 17.1	
HCT (%)	17.0	16.0 - 18.0	36.3	34.5 - 38.1	47.0	44.7 - 49.4	
MCV (fL)	73.6	69.2 - 78.0	82.9	77.9 - 87.9	89.2	84.7 - 93.7	
MCH (pg)	24.3	23.1 - 25.5	28.5	27.4 - 29.6	31.4	30.1 - 32.7	
MCHC (g/dL)	33.1	30.5 - 35.7	34.4	32.0 - 36.8	35.3	32.8 - 37.8	
PLT (10 <sup>9</sup> /L)	59	45 - 73	229	206 - 252	548	504 - 592	
RDW-SD (fL)	48.3	44.0 - 52.6	43.7	39.8 - 47.6	43.9	39.9 - 47.9	
RDW-CV (%)	18.1	16.7 - 19.5	14.6	13.7 - 15.5	13.7	12.9 - 14.5	
MPV (fL)	8.9	7.7 - 10.1	9.2	8.5 - 9.9	9.4	8.7 - 10.1	
WBC (10 <sup>9</sup> /L)	3.03	2.67 - 3.39	6.84	6.22 - 7.46	17.68	16.27 - 19.09	
WBC-D (10 <sup>9</sup> /L)	2.85	2.51 - 3.19	6.36	5.79 - 6.93	16.77	15.26 - 18.28	
NEUT%	42.0	36.1 - 47.9	45.8	41.2 - 50.4	50.6	45.5 - 55.7	
LYMPH%	40.1	32.9 - 47.3	35.2	29.9 - 40.5	30.4	25.8 - 35.0	
MONO%	8.8	4.0 - 13.6	8.7	5.3 - 12.1	8.6	5.2 - 12.0	
EO%	8.7	5.4 - 12.0	10.0	6.3 - 13.7	10.3	6.6 - 14.0	
BASO%	59.1	52.6 - 65.6	63.2	58.8 - 67.6	68.7	66.0 - 71.4	
NEUT# (10 <sup>9</sup> /L)	1.28	1.02 - 1.54	3.14	2.67 - 3.61	8.94	7.78 - 10.10	
LYMPH# (10 <sup>9</sup> /L)	1.22	0.94 - 1.50	2.41	1.95 - 2.87	5.38	4.47 - 6.29	
MONO# (10 <sup>9</sup> /L)	0.27	0.12 - 0.42	0.60	0.35 - 0.85	1.53	0.92 - 2.14	
EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.36	0.68	0.41 - 0.95	1.82	1.15 - 2.49	
BASO# (10 <sup>9</sup> /L)	1.79	1.47 - 2.11	4.33	3.77 - 4.89	12.14	10.93 - 13.35	
NRBC# (10 <sup>9</sup> /L)	0.15	0.07 - 0.23	0.43	0.29 - 0.57	1.11	0.87 - 1.35	
NRBC% (/100 WBC)	5.3	2.4 - 8.2	6.7	4.5 - 8.9	6.7	5.3 - 8.1	
PLT-O (10 <sup>9</sup> /L)	60	40 - 80	223	185 - 261	538	457 - 619	
RET# (10 <sup>12</sup> /L)	0.1183	0.0816 - 0.1550	0.0996	0.0697 - 0.1295	0.0518	0.0373 - 0.0663	
RET%	5.12	3.69 - 6.55	2.27	1.66 - 2.88	0.98	0.64 - 1.32	
IRF (%)	41.4	7.0 - 75.8	36.4	2.9 - 69.9	26.0	1.3 - 50.7	
IG #	0.30	0.23 - 0.38	0.74	0.58 - 0.90	2.09	1.67 - 2.51	
IG %	10.0	7.9 - 12.1	10.8	8.7 - 12.9	11.8	9.6 - 14.0	
HPC #	0.011	0.008 - 0.014	0.025	0.019 - 0.031	0.082	0.062 - 0.103	
RET-He (pg)	23.7	20.4 - 27.0	24.7	21.2 - 28.2	26.1	21.9 - 30.3	
IPF %	22.1	17.9 - 26.3	21.7	17.6 - 25.8	21.8	17.7 - 25.9	

\*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: <b>2019-10-28</b>		Quality Control Data Due Date #1: 16-Sep-19			Quality Control Data Due Date #2: 28-Oct-19		
Lot Number: 92190810		92190811			92190812		
Control: L1:Level 1		L2:Level 2			L3:Level 3		
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.31	2.22 - 2.40	4.38	4.25 - 4.51	5.19	5.03 - 5.35	
HGB (g/dL)	5.6	5.4 - 5.9	12.4	12.1 - 12.8	16.4	15.9 - 16.9	
HCT (%)	17.0	16.0 - 18.0	36.3	34.5 - 38.1	47.0	44.7 - 49.4	
MCV (fL)	73.6	69.2 - 78.0	82.9	77.9 - 87.9	90.6	86.1 - 95.1	
MCH (pg)	24.5	23.3 - 25.7	28.4	27.3 - 29.5	31.6	30.3 - 32.9	
MCHC (g/dL)	33.2	30.5 - 35.9	34.2	31.8 - 36.6	34.9	32.5 - 37.3	
PLT (10 <sup>9</sup> /L)	59	45 - 73	224	202 - 246	510	469 - 550	
RDW-SD (fL)	48.3	44.0 - 52.6	43.7	39.8 - 47.6	43.9	39.9 - 47.9	
RDW-CV (%)	18.1	16.7 - 19.5	14.6	13.7 - 15.5	13.7	12.9 - 14.5	
MPV (fL)	8.9	7.7 - 10.1	9.2	8.5 - 9.9	9.4	8.7 - 10.1	
WBC (10 <sup>9</sup> /L)	2.94	2.59 - 3.29	6.43	5.85 - 7.01	17.15	15.78 - 18.52	
WBC-D (10 <sup>9</sup> /L)	2.76	2.43 - 3.09	6.17	5.61 - 6.73	15.76	14.35 - 17.18	
NEUT%	42.2	36.3 - 48.1	45.7	41.1 - 50.3	50.1	45.1 - 55.1	
LYMPH%	40.1	32.9 - 47.3	35.5	30.2 - 40.8	30.4	25.8 - 35.0	
MONO%	9.2	4.2 - 14.2	8.7	5.3 - 12.1	8.9	5.4 - 12.4	
EO%	8.5	5.3 - 11.7	10.1	6.4 - 13.8	10.6	6.8 - 14.4	
BASO%	59.5	53.0 - 66.0	63.9	59.4 - 68.4	69.4	66.6 - 72.2	
NEUT# (10 <sup>9</sup> /L)	1.24	0.99 - 1.49	2.94	2.50 - 3.38	8.58	7.46 - 9.70	
LYMPH# (10 <sup>9</sup> /L)	1.18	0.91 - 1.45	2.28	1.85 - 2.71	5.22	4.33 - 6.11	
MONO# (10 <sup>9</sup> /L)	0.27	0.12 - 0.42	0.56	0.32 - 0.80	1.53	0.92 - 2.14	
EO# (10 <sup>9</sup> /L)	0.25	0.15 - 0.35	0.65	0.40 - 0.90	1.82	1.15 - 2.49	
BASO# (10 <sup>9</sup> /L)	1.75	1.44 - 2.07	4.11	3.58 - 4.64	11.90	10.71 - 13.09	
NRBC# (10 <sup>9</sup> /L)	0.14	0.06 - 0.22	0.41	0.27 - 0.55	1.10	0.86 - 1.34	
NRBC% (/100 WBC)	5.3	2.4 - 8.2	6.7	4.5 - 8.9	6.7	5.3 - 8.1	
PLT-O (10 <sup>9</sup> /L)	60	40 - 80	223	185 - 261	522	444 - 600	
RET# (10 <sup>12</sup> /L)	0.1183	0.0816 - 0.1550	0.0996	0.0697 - 0.1295	0.0518	0.0373 - 0.0663	
RET%	5.12	3.69 - 6.55	2.27	1.66 - 2.88	0.98	0.64 - 1.32	
IRF (%)	41.4	7.0 - 75.8	36.4	2.9 - 69.9	26.0	1.3 - 50.7	
IG #	0.29	0.22 - 0.36	0.74	0.58 - 0.90	2.09	1.67 - 2.51	
IG %	10.0	7.9 - 12.1	10.8	8.7 - 12.9	11.8	9.6 - 14.0	
HPC #	0.011	0.008 - 0.014	0.025	0.019 - 0.031	0.082	0.062 - 0.103	
RET-He (pg)	23.7	20.4 - 27.0	24.7	21.2 - 28.2	26.1	21.9 - 30.3	
IPF %	22.1	17.9 - 26.3	21.7	17.6 - 25.8	21.8	17.7 - 25.9	

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