



**e-CHECK™ (XE)**

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

Expiration Date: <b>2019-09-02</b>		Quality Control Data Due Date #1: <b>22-Jul-19</b>			Quality Control Data Due Date #2: <b>02-Sep-19</b>		
Lot Number:		91640810		91640811		91640812	
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)	2.38	2.28 - 2.48	4.38	4.25 - 4.51	5.26	5.10 - 5.42	
HGB (g/dL)	5.7	5.5 - 5.9	12.1	11.7 - 12.4	16.3	15.8 - 16.8	
HCT (%)	17.6	16.5 - 18.7	35.5	33.7 - 37.3	46.4	44.1 - 48.7	
MCV (fL)	73.9	69.5 - 78.3	81.1	76.2 - 86.0	88.2	83.8 - 92.6	
MCH (pg)	24.0	22.8 - 25.2	27.6	26.5 - 28.7	31.0	29.8 - 32.2	
MCHC (g/dL)	32.5	29.9 - 35.1	34.0	31.6 - 36.4	35.2	32.7 - 37.7	
PLT (10 <sup>9</sup> /L)	61	47 - 75	230	207 - 253	537	494 - 580	
RDW-SD (fL)	45.5	41.4 - 49.6	46.4	42.2 - 50.6	43.6	39.7 - 47.5	
RDW-CV (%)	16.9	15.5 - 18.3	15.8	14.9 - 16.7	13.7	12.9 - 14.5	
MPV (fL)	9.0	7.8 - 10.2	9.3	8.6 - 10.0	9.5	8.8 - 10.2	
WBC (10 <sup>9</sup> /L)	3.15	2.77 - 3.53	7.15	6.51 - 7.79	18.38	16.91 - 19.85	
WBC-D (10 <sup>9</sup> /L)	2.93	2.58 - 3.28	6.55	5.96 - 7.14	17.25	15.70 - 18.80	
NEUT%	43.0	37.0 - 49.0	47.7	42.9 - 52.5	52.3	47.1 - 57.5	
LYMPH%	39.5	32.4 - 46.6	33.2	28.2 - 38.2	28.5	24.2 - 32.8	
MONO%	8.2	3.8 - 12.6	8.8	5.4 - 12.2	7.9	4.8 - 11.0	
EO%	9.0	5.6 - 12.4	9.9	6.2 - 13.6	11.2	7.2 - 15.2	
BASO%	60.2	53.6 - 66.8	66.1	61.5 - 70.7	71.6	68.7 - 74.5	
NEUT# (10 <sup>9</sup> /L)	1.35	1.08 - 1.62	3.42	2.91 - 3.93	9.62	8.37 - 10.87	
LYMPH# (10 <sup>9</sup> /L)	1.24	0.95 - 1.53	2.37	1.92 - 2.82	5.24	4.35 - 6.13	
MONO# (10 <sup>9</sup> /L)	0.26	0.11 - 0.41	0.63	0.37 - 0.89	1.45	0.87 - 2.03	
EO# (10 <sup>9</sup> /L)	0.28	0.17 - 0.39	0.71	0.43 - 0.99	2.07	1.30 - 2.84	
BASO# (10 <sup>9</sup> /L)	1.90	1.56 - 2.24	4.72	4.11 - 5.33	13.16	11.84 - 14.48	
NRBC# (10 <sup>9</sup> /L)	0.16	0.07 - 0.25	0.43	0.29 - 0.57	1.03	0.80 - 1.26	
NRBC% (/100 WBC)	5.3	2.4 - 8.2	6.4	4.3 - 8.5	6.0	4.7 - 7.3	
PLT-O (10 <sup>9</sup> /L)	64	42 - 86	225	187 - 263	530	451 - 610	
RET# (10 <sup>12</sup> /L)	0.1331	0.0918 - 0.1744	0.1038	0.0727 - 0.1349	0.0487	0.0351 - 0.0623	
RET%	5.60	4.03 - 7.17	2.37	1.73 - 3.01	0.93	0.60 - 1.26	
IRF (%)	46.0	7.8 - 84.2	40.8	3.3 - 78.3	28.7	1.4 - 56.0	
IG #	0.32	0.24 - 0.40	0.80	0.63 - 0.97	2.25	1.80 - 2.70	
IG %	10.2	8.1 - 12.3	11.2	9.1 - 13.3	12.2	9.9 - 14.5	
HPC #	0.011	0.008 - 0.014	0.031	0.023 - 0.039	0.084	0.063 - 0.105	
RET-He (pg)	24.3	20.9 - 27.7	25.0	21.5 - 28.5	26.3	22.1 - 30.5	
IPF %	21.8	17.7 - 25.9	21.5	17.4 - 25.6	21.9	17.7 - 26.1	

\*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: <b>2019-09-02</b>		Quality Control Data Due Date #1: <b>22-Jul-19</b>			Quality Control Data Due Date #2: <b>02-Sep-19</b>		
Lot Number:		91640810		91640811		91640812	
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)	2.38	2.28 - 2.48	4.38	4.25 - 4.51	5.18	5.02 - 5.34	
HGB (g/dL)	5.7	5.5 - 6.0	12.0	11.6 - 12.4	16.2	15.7 - 16.7	
HCT (%)	17.6	16.5 - 18.7	35.5	33.7 - 37.3	46.4	44.1 - 48.7	
MCV (fL)	73.9	69.5 - 78.3	81.1	76.2 - 86.0	89.6	85.1 - 94.1	
MCH (pg)	24.2	23.0 - 25.4	27.4	26.3 - 28.5	31.2	30.0 - 32.4	
MCHC (g/dL)	32.7	30.1 - 35.3	33.8	31.4 - 36.2	34.8	32.4 - 37.2	
PLT (10 <sup>9</sup> /L)	61	47 - 75	225	203 - 248	499	459 - 539	
RDW-SD (fL)	45.5	41.4 - 49.6	46.4	42.2 - 50.6	43.6	39.7 - 47.5	
RDW-CV (%)	16.9	15.5 - 18.3	15.8	14.9 - 16.7	13.7	12.9 - 14.5	
MPV (fL)	9.0	7.8 - 10.2	9.3	8.6 - 10.0	9.5	8.8 - 10.2	
WBC (10 <sup>9</sup> /L)	3.06	2.69 - 3.43	6.72	6.12 - 7.32	17.83	16.40 - 19.26	
WBC-D (10 <sup>9</sup> /L)	2.84	2.50 - 3.18	6.35	5.78 - 6.92	16.22	14.76 - 17.67	
NEUT%	43.5	37.4 - 49.6	48.0	43.2 - 52.8	51.8	46.6 - 57.0	
LYMPH%	39.2	32.1 - 46.3	33.3	28.3 - 38.3	28.5	24.2 - 32.8	
MONO%	8.5	3.9 - 13.1	8.6	5.2 - 12.0	8.1	4.9 - 11.3	
EO%	8.8	5.5 - 12.1	10.1	6.4 - 13.8	11.6	7.4 - 15.8	
BASO%	60.8	54.1 - 67.5	66.7	62.0 - 71.4	72.3	69.4 - 75.2	
NEUT# (10 <sup>9</sup> /L)	1.33	1.06 - 1.60	3.22	2.74 - 3.70	9.23	8.03 - 10.43	
LYMPH# (10 <sup>9</sup> /L)	1.20	0.92 - 1.48	2.24	1.81 - 2.67	5.08	4.22 - 5.94	
MONO# (10 <sup>9</sup> /L)	0.26	0.11 - 0.41	0.58	0.34 - 0.82	1.45	0.87 - 2.03	
EO# (10 <sup>9</sup> /L)	0.27	0.16 - 0.38	0.68	0.41 - 0.95	2.07	1.30 - 2.84	
BASO# (10 <sup>9</sup> /L)	1.86	1.53 - 2.19	4.48	3.90 - 5.06	12.90	11.61 - 14.19	
NRBC# (10 <sup>9</sup> /L)	0.15	0.07 - 0.23	0.41	0.27 - 0.55	1.02	0.80 - 1.24	
NRBC% (/100 WBC)	5.3	2.4 - 8.2	6.4	4.3 - 8.5	6.0	4.7 - 7.3	
PLT-O (10 <sup>9</sup> /L)	64	42 - 86	225	187 - 263	514	437 - 591	
RET# (10 <sup>12</sup> /L)	0.1331	0.0918 - 0.1744	0.1038	0.0727 - 0.1349	0.0487	0.0351 - 0.0623	
RET%	5.60	4.03 - 7.17	2.37	1.73 - 3.01	0.93	0.60 - 1.26	
IRF (%)	46.0	7.8 - 84.2	40.8	3.3 - 78.3	28.7	1.4 - 56.0	
IG #	0.31	0.23 - 0.39	0.80	0.63 - 0.97	2.25	1.80 - 2.70	
IG %	10.2	8.1 - 12.3	11.2	9.1 - 13.3	12.2	9.9 - 14.5	
HPC #	0.011	0.008 - 0.014	0.031	0.023 - 0.039	0.084	0.063 - 0.105	
RET-He (pg)	24.3	20.9 - 27.7	25.0	21.5 - 28.5	26.3	22.1 - 30.5	
IPF %	21.8	17.7 - 25.9	21.5	17.4 - 25.6	21.9	17.7 - 26.1	

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