



# e-CHECK™ (XE)

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

Expiration Date:		2021-10-25		Quality Control Data Due Date #1: 13-Sep-21		Quality Control Data Due Date #2: 25-Oct-21	
Lot Number:		12170810		12170811		12170812	
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)	2.29	2.20 - 2.38	4.35	4.22 - 4.49	5.25	5.09 - 5.41	
HGB (g/dL)	5.4	5.2 - 5.7	12.7	12.3 - 13.1	16.3	15.8 - 16.7	
HCT (%)	16.5	15.5 - 17.5	36.7	34.8 - 38.5	45.9	43.6 - 48.2	
MCV (fL)	72.1	67.8 - 76.5	84.2	79.1 - 89.3	87.4	83.0 - 91.8	
MCH (pg)	23.8	22.6 - 24.9	29.2	28.0 - 30.3	31.0	29.7 - 32.2	
MCHC (g/dL)	32.9	30.3 - 35.6	34.6	32.2 - 37.1	35.4	33.0 - 37.9	
PLT (10 <sup>9</sup> /L)	58	45 - 72	234	211 - 257	559	514 - 603	
RDW-SD (fL)	44.9	40.9 - 49.0	43.5	39.6 - 47.5	42.5	38.7 - 46.3	
RDW-CV (%)	17.2	15.8 - 18.6	14.3	13.4 - 15.2	13.6	12.8 - 14.4	
MPV (fL)	9.2	8.0 - 10.5	9.5	8.8 - 10.3	9.6	9.0 - 10.3	
WBC (10 <sup>9</sup> /L)	2.92	2.57 - 3.27	6.78	6.17 - 7.39	17.62	16.21 - 19.03	
WBC-D (10 <sup>9</sup> /L)	2.72	2.39 - 3.04	6.32	5.75 - 6.89	16.77	15.26 - 18.28	
NEUT%	44.2	38.0 - 50.4	47.4	42.7 - 52.1	51.8	46.6 - 56.9	
LYMPH%	37.7	30.9 - 44.5	33.4	28.4 - 38.4	28.1	23.9 - 32.3	
MONO%	8.8	4.1 - 13.6	9.2	5.6 - 12.8	9.2	5.6 - 12.8	
EO%	9.3	5.8 - 12.8	10.0	6.3 - 13.7	10.9	7.0 - 14.9	
BASO%	61.6	54.9 - 68.4	64.9	60.3 - 69.4	70.7	67.9 - 73.6	
NEUT# (10 <sup>9</sup> /L)	1.29	1.03 - 1.55	3.21	2.73 - 3.69	9.12	7.93 - 10.31	
LYMPH# (10 <sup>9</sup> /L)	1.10	0.85 - 1.36	2.26	1.83 - 2.69	4.94	4.10 - 5.79	
MONO# (10 <sup>9</sup> /L)	0.26	0.11 - 0.40	0.63	0.36 - 0.89	1.63	0.98 - 2.28	
EO# (10 <sup>9</sup> /L)	0.27	0.16 - 0.38	0.68	0.41 - 0.94	1.93	1.21 - 2.64	
BASO# (10 <sup>9</sup> /L)	1.80	1.48 - 2.13	4.40	3.83 - 4.97	12.46	11.22 - 13.71	
NRBC# (10 <sup>9</sup> /L)	0.17	0.08 - 0.27	0.42	0.28 - 0.56	1.11	0.87 - 1.36	
NRBC% (/100 WBC)	6.2	2.8 - 9.6	6.7	4.5 - 8.9	6.7	5.3 - 8.2	
PLT-O (10 <sup>9</sup> /L)	59	39 - 80	231	192 - 270	550	468 - 633	
RET# (10 <sup>12</sup> /L)	0.1395	0.0963 - 0.1828	0.1093	0.0765 - 0.1421	0.0570	0.0410 - 0.0729	
RET%	6.08	4.38 - 7.79	2.51	1.83 - 3.19	1.09	0.71 - 1.47	
IRF (%)	46.5	7.9 - 85.0	41.7	3.3 - 80.2	30.1	1.5 - 58.7	
IG (#)	0.30	0.23 - 0.38	0.76	0.60 - 0.91	2.12	1.69 - 2.54	
IG (%)	10.4	8.2 - 12.6	11.2	9.0 - 13.3	12.0	9.7 - 14.3	
HPC (#)	0.011	0.008 - 0.014	0.028	0.021 - 0.035	0.087	0.065 - 0.109	
RET-He (pg)	23.2	19.9 - 26.4	24.2	20.8 - 27.6	25.3	21.2 - 29.3	
IPF (%)	21.7	17.6 - 25.8	21.8	17.7 - 26.0	22.1	17.9 - 26.3	

\*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:		2021-10-25		Quality Control Data Due Date #1: 13-Sep-21		Quality Control Data Due Date #2: 25-Oct-21	
Lot Number:		12170810		12170811		12170812	
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)	2.29	2.20 - 2.38	4.35	4.22 - 4.49	5.17	5.01 - 5.32	
HGB (g/dL)	5.5	5.3 - 5.7	12.6	12.3 - 13.0	16.1	15.6 - 16.6	
HCT (%)	16.5	15.5 - 17.5	36.7	34.8 - 38.5	45.9	43.6 - 48.2	
MCV (fL)	72.1	67.8 - 76.5	84.2	79.1 - 89.3	88.7	84.3 - 93.2	
MCH (pg)	23.9	22.7 - 25.1	29.0	27.9 - 30.2	31.1	29.9 - 32.4	
MCHC (g/dL)	33.1	30.5 - 35.8	34.5	32.1 - 36.9	35.1	32.6 - 37.5	
PLT (10 <sup>9</sup> /L)	58	45 - 72	229	206 - 252	519	478 - 561	
RDW-SD (fL)	44.9	40.9 - 49.0	43.5	39.6 - 47.5	42.5	38.7 - 46.3	
RDW-CV (%)	17.2	15.8 - 18.6	14.3	13.4 - 15.2	13.6	12.8 - 14.4	
MPV (fL)	9.2	8.0 - 10.5	9.5	8.8 - 10.3	9.6	9.0 - 10.3	
WBC (10 <sup>9</sup> /L)	2.84	2.50 - 3.18	6.37	5.80 - 6.94	17.09	15.72 - 18.46	
WBC-D (10 <sup>9</sup> /L)	2.63	2.32 - 2.95	6.13	5.58 - 6.68	15.77	14.35 - 17.18	
NEUT%	44.2	38.0 - 50.4	47.4	42.7 - 52.1	51.5	46.3 - 56.6	
LYMPH%	37.7	30.9 - 44.5	33.6	28.5 - 38.6	27.9	23.7 - 32.1	
MONO%	8.8	4.1 - 13.6	8.9	5.5 - 12.4	9.3	5.7 - 13.0	
EO%	9.3	5.8 - 12.8	10.1	6.4 - 13.8	11.3	7.2 - 15.3	
BASO%	62.0	55.1 - 68.8	65.5	60.9 - 70.1	71.5	68.6 - 74.3	
NEUT# (10 <sup>9</sup> /L)	1.25	1.00 - 1.50	3.02	2.57 - 3.47	8.80	7.65 - 9.94	
LYMPH# (10 <sup>9</sup> /L)	1.07	0.82 - 1.31	2.14	1.73 - 2.54	4.77	3.96 - 5.58	
MONO# (10 <sup>9</sup> /L)	0.25	0.11 - 0.39	0.57	0.33 - 0.81	1.59	0.96 - 2.23	
EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.37	0.64	0.39 - 0.89	1.93	1.21 - 2.64	
BASO# (10 <sup>9</sup> /L)	1.76	1.44 - 2.07	4.17	3.63 - 4.72	12.21	10.99 - 13.43	
NRBC# (10 <sup>9</sup> /L)	0.17	0.08 - 0.27	0.42	0.28 - 0.56	1.11	0.87 - 1.36	
NRBC% (/100 WBC)	6.2	2.8 - 9.6	6.7	4.5 - 8.9	6.7	5.3 - 8.2	
PLT-O (10 <sup>9</sup> /L)	59	39 - 80	231	192 - 270	534	454 - 614	
RET# (10 <sup>12</sup> /L)	0.1395	0.0963 - 0.1828	0.1093	0.0765 - 0.1421	0.0561	0.0404 - 0.0718	
RET%	6.08	4.38 - 7.79	2.51	1.83 - 3.19	1.09	0.71 - 1.47	
IRF (%)	46.5	7.9 - 85.0	41.7	3.3 - 80.2	30.1	1.5 - 58.7	
IG (#)	0.30	0.22 - 0.37	0.71	0.56 - 0.86	2.05	1.64 - 2.46	
IG (%)	10.4	8.2 - 12.6	11.2	9.0 - 13.3	12.0	9.7 - 14.3	
HPC (#)	0.011	0.008 - 0.014	0.028	0.021 - 0.035	0.087	0.065 - 0.109	
RET-He (pg)	23.2	19.9 - 26.4	24.2	20.8 - 27.6	25.3	21.2 - 29.3	
IPF (%)	21.7	17.6 - 25.8	21.8	17.7 - 26.0	22.1	17.9 - 26.3	

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