



**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:		91630810		91630811		91630812			
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)	2.33	2.24	- 2.42	4.36	4.23	- 4.49	5.32	5.16	- 5.48
HGB (g/dL)	5.6	5.4	- 5.8	12.0	11.7	- 12.4	16.5	16.0	- 17.0
HCT (%)	17.3	16.3	- 18.3	35.4	33.6	- 37.2	47.1	44.7	- 49.5
MCV (fL)	74.2	69.7	- 78.7	81.2	76.3	- 86.1	88.5	84.1	- 92.9
MCH (pg)	24.0	22.8	- 25.2	27.6	26.5	- 28.7	31.0	29.8	- 32.2
MCHC (g/dL)	32.4	29.8	- 35.0	34.0	31.6	- 36.4	35.0	32.6	- 37.5
PLT (10 <sup>9</sup> /L)	59	45	- 73	230	207	- 253	533	490	- 576
RDW-SD (fL)	45.7	41.6	- 49.8	46.4	42.2	- 50.6	43.9	39.9	- 47.9
RDW-CV (%)	17.0	15.6	- 18.4	15.8	14.9	- 16.7	13.8	13.0	- 14.6
MPV (fL)	8.8	7.7	- 9.9	9.2	8.5	- 9.9	9.4	8.7	- 10.1
WBC (10 <sup>9</sup> /L)	3.09	2.72	- 3.46	7.13	6.49	- 7.77	17.81	16.39	- 19.23
WBC-D (10 <sup>9</sup> /L)	2.88	2.53	- 3.23	6.58	5.99	- 7.17	16.57	15.08	- 18.06
NEUT%	43.1	37.1	- 49.1	46.6	41.9	- 51.3	51.3	46.2	- 56.4
LYMPH%	38.9	31.9	- 45.9	34.0	28.9	- 39.1	28.9	24.6	- 33.2
MONO%	8.4	3.9	- 12.9	9.1	5.6	- 12.6	8.1	4.9	- 11.3
EO%	9.2	5.7	- 12.7	10.0	6.3	- 13.7	11.6	7.4	- 15.8
BASO%	60.7	54.0	- 67.4	65.1	60.5	- 69.7	70.6	67.8	- 73.4
NEUT# (10 <sup>9</sup> /L)	1.33	1.06	- 1.60	3.33	2.83	- 3.83	9.14	7.95	- 10.33
LYMPH# (10 <sup>9</sup> /L)	1.20	0.92	- 1.48	2.43	1.97	- 2.89	5.15	4.27	- 6.03
MONO# (10 <sup>9</sup> /L)	0.26	0.11	- 0.41	0.65	0.38	- 0.92	1.44	0.86	- 2.02
EO# (10 <sup>9</sup> /L)	0.28	0.17	- 0.39	0.71	0.43	- 0.99	2.06	1.30	- 2.82
BASO# (10 <sup>9</sup> /L)	1.88	1.54	- 2.22	4.64	4.04	- 5.24	12.56	11.30	- 13.82
NRBC# (10 <sup>9</sup> /L)	0.14	0.06	- 0.22	0.41	0.27	- 0.55	1.03	0.80	- 1.26
NRBC% (/100 WBC)	4.9	2.2	- 7.6	6.1	4.1	- 8.1	6.1	4.8	- 7.4
PLT-O (10 <sup>9</sup> /L)	63	42	- 84	227	188	- 266	535	455	- 615
RET# (10 <sup>12</sup> /L)	0.1428	0.0985	- 0.1871	0.1114	0.0780	- 0.1448	0.0599	0.0431	- 0.0767
RET%	6.14	4.42	- 7.86	2.56	1.87	- 3.25	1.13	0.73	- 1.53
IRF (%)	45.3	7.7	- 82.9	39.0	3.1	- 74.9	29.3	1.5	- 57.1
IG #	0.32	0.24	- 0.40	0.78	0.62	- 0.94	2.13	1.70	- 2.56
IG %	10.2	8.1	- 12.3	11.0	8.9	- 13.1	12.0	9.7	- 14.3
HPC #	0.011	0.008	- 0.014	0.028	0.021	- 0.035	0.081	0.061	- 0.101
RET-He (pg)	23.5	20.2	- 26.8	24.2	20.8	- 27.6	25.6	21.5	- 29.7
IPF %	21.8	17.7	- 25.9	22.0	17.8	- 26.2	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: <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:		91630810		91630811		91630812			
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)	2.33	2.24	- 2.42	4.36	4.23	- 4.49	5.24	5.08	- 5.40
HGB (g/dL)	5.6	5.4	- 5.9	12.0	11.6	- 12.3	16.3	15.8	- 16.8
HCT (%)	17.3	16.3	- 18.3	35.4	33.6	- 37.2	47.1	44.7	- 49.5
MCV (fL)	74.2	69.7	- 78.7	81.2	76.3	- 86.1	89.9	85.4	- 94.4
MCH (pg)	24.2	23.0	- 25.4	27.5	26.4	- 28.6	31.2	30.0	- 32.4
MCHC (g/dL)	32.5	29.9	- 35.1	33.8	31.4	- 36.2	34.7	32.3	- 37.1
PLT (10 <sup>9</sup> /L)	59	45	- 73	225	203	- 248	496	456	- 535
RDW-SD (fL)	45.7	41.6	- 49.8	46.4	42.2	- 50.6	43.9	39.9	- 47.9
RDW-CV (%)	17.0	15.6	- 18.4	15.8	14.9	- 16.7	13.8	13.0	- 14.6
MPV (fL)	8.8	7.7	- 9.9	9.2	8.5	- 9.9	9.4	8.7	- 10.1
WBC (10 <sup>9</sup> /L)	3.00	2.64	- 3.36	6.70	6.10	- 7.30	17.28	15.90	- 18.66
WBC-D (10 <sup>9</sup> /L)	2.79	2.46	- 3.12	6.38	5.81	- 6.95	15.58	14.17	- 16.98
NEUT%	43.6	37.5	- 49.7	46.6	41.9	- 51.3	50.9	45.8	- 56.0
LYMPH%	38.7	31.7	- 45.7	34.3	29.2	- 39.4	28.9	24.6	- 33.2
MONO%	8.7	4.0	- 13.4	9.0	5.5	- 12.5	8.3	5.1	- 11.5
EO%	9.0	5.6	- 12.4	10.1	6.4	- 13.8	11.9	7.6	- 16.2
BASO%	61.3	54.6	- 68.0	65.8	61.2	- 70.4	71.2	68.4	- 74.0
NEUT# (10 <sup>9</sup> /L)	1.31	1.05	- 1.57	3.12	2.65	- 3.59	8.78	7.64	- 9.92
LYMPH# (10 <sup>9</sup> /L)	1.16	0.89	- 1.43	2.30	1.86	- 2.74	5.00	4.15	- 5.85
MONO# (10 <sup>9</sup> /L)	0.26	0.11	- 0.41	0.60	0.35	- 0.85	1.44	0.86	- 2.02
EO# (10 <sup>9</sup> /L)	0.27	0.16	- 0.38	0.68	0.41	- 0.95	2.06	1.30	- 2.82
BASO# (10 <sup>9</sup> /L)	1.84	1.51	- 2.17	4.41	3.84	- 4.98	12.31	11.08	- 13.54
NRBC# (10 <sup>9</sup> /L)	0.13	0.06	- 0.20	0.39	0.26	- 0.52	1.02	0.80	- 1.24
NRBC% (/100 WBC)	4.9	2.2	- 7.6	6.1	4.1	- 8.1	6.1	4.8	- 7.4
PLT-O (10 <sup>9</sup> /L)	63	42	- 84	227	188	- 266	519	441	- 597
RET# (10 <sup>12</sup> /L)	0.1428	0.0985	- 0.1871	0.1114	0.0780	- 0.1448	0.0599	0.0431	- 0.0767
RET%	6.14	4.42	- 7.86	2.56	1.87	- 3.25	1.13	0.73	- 1.53
IRF (%)	45.3	7.7	- 82.9	39.0	3.1	- 74.9	29.3	1.5	- 57.1
IG #	0.31	0.23	- 0.39	0.78	0.62	- 0.94	2.13	1.70	- 2.56
IG %	10.2	8.1	- 12.3	11.0	8.9	- 13.1	12.0	9.7	- 14.3
HPC #	0.011	0.008	- 0.014	0.028	0.021	- 0.035	0.081	0.061	- 0.101
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