



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:		12160810		12160811		12160812	
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 - 2.39	4.35	4.22 - 4.48	5.25	5.09 - 5.41	
HGB (g/dL)	5.5	5.3 - 5.7	12.3	11.9 - 12.7	16.3	15.8 - 16.8	
HCT (%)	16.8	15.8 - 17.8	35.7	33.9 - 37.5	46.3	44.0 - 48.6	
MCV (fL)	73.2	68.8 - 77.6	82.1	77.2 - 87.0	88.1	83.7 - 92.5	
MCH (pg)	24.1	22.9 - 25.3	28.3	27.1 - 29.4	31.1	29.8 - 32.3	
MCHC (g/dL)	32.9	30.2 - 35.5	34.4	32.0 - 36.8	35.3	32.8 - 37.8	
PLT (10 ⁹ /L)	60	46 - 74	236	213 - 260	556	511 - 600	
RDW-SD (fL)	45.7	41.6 - 49.8	44.4	40.4 - 48.4	43.4	39.5 - 47.3	
RDW-CV (%)	17.2	15.8 - 18.6	15.0	14.1 - 15.9	13.7	12.9 - 14.6	
MPV (fL)	9.3	8.1 - 10.5	9.6	8.8 - 10.3	9.7	9.0 - 10.4	
WBC (10 ⁹ /L)	2.87	2.53 - 3.22	6.68	6.08 - 7.29	17.30	15.92 - 18.68	
WBC-D (10 ⁹ /L)	2.71	2.39 - 3.04	6.22	5.66 - 6.78	16.48	14.99 - 17.96	
NEUT%	43.8	37.7 - 49.9	48.0	43.2 - 52.8	53.3	48.0 - 58.6	
LYMPH%	38.4	31.5 - 45.3	32.9	28.0 - 37.9	26.1	22.2 - 30.0	
MONO%	8.5	3.9 - 13.0	8.7	5.3 - 12.2	9.3	5.7 - 12.9	
EO%	9.3	5.8 - 12.8	10.3	6.5 - 14.1	11.3	7.2 - 15.3	
BASO%	61.3	54.5 - 68.0	66.2	61.6 - 70.8	72.4	69.5 - 75.3	
NEUT# (10 ⁹ /L)	1.26	1.01 - 1.51	3.21	2.73 - 3.69	9.22	8.02 - 10.42	
LYMPH# (10 ⁹ /L)	1.10	0.85 - 1.36	2.20	1.78 - 2.62	4.52	3.75 - 5.29	
MONO# (10 ⁹ /L)	0.24	0.11 - 0.38	0.58	0.34 - 0.83	1.61	0.97 - 2.25	
EO# (10 ⁹ /L)	0.27	0.16 - 0.37	0.69	0.42 - 0.96	1.95	1.23 - 2.67	
BASO# (10 ⁹ /L)	1.76	1.44 - 2.08	4.42	3.85 - 5.00	12.53	11.28 - 13.79	
NRBC# (10 ⁹ /L)	0.15	0.07 - 0.24	0.43	0.29 - 0.57	1.08	0.84 - 1.31	
NRBC% (/100 WBC)	5.7	2.6 - 8.8	6.9	4.6 - 9.2	6.6	5.2 - 8.0	
PLT-O (10 ⁹ /L)	62	41 - 83	229	190 - 268	547	465 - 629	
RET# (10 ¹² /L)	0.1307	0.0902 - 0.1712	0.1032	0.0722 - 0.1341	0.0483	0.0348 - 0.0618	
RET%	5.70	4.10 - 7.29	2.37	1.73 - 3.01	0.92	0.60 - 1.24	
IRF (%)	40.3	6.9 - 73.8	34.0	2.7 - 65.4	24.3	1.2 - 47.4	
IG (#)	0.29	0.22 - 0.37	0.75	0.59 - 0.91	2.16	1.73 - 2.59	
IG (%)	10.2	8.1 - 12.4	11.2	9.1 - 13.4	12.5	10.1 - 14.8	
HPC (#)	0.011	0.008 - 0.014	0.029	0.022 - 0.036	0.085	0.063 - 0.106	
RET-He (pg)	23.3	20.0 - 26.6	24.3	20.9 - 27.7	25.8	21.7 - 29.9	
IPF (%)	21.8	17.7 - 26.0	22.2	18.0 - 26.4	22.0	17.8 - 26.2	

*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:		12160810		12160811		12160812	
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 - 2.39	4.35	4.22 - 4.48	5.17	5.02 - 5.33	
HGB (g/dL)	5.5	5.3 - 5.8	12.2	11.9 - 12.6	16.2	15.7 - 16.6	
HCT (%)	16.8	15.8 - 17.8	35.7	33.9 - 37.5	46.3	44.0 - 48.6	
MCV (fL)	73.2	68.8 - 77.6	82.1	77.2 - 87.0	89.4	85.0 - 93.9	
MCH (pg)	24.2	23.0 - 25.4	28.1	27.0 - 29.3	31.2	30.0 - 32.5	
MCHC (g/dL)	33.0	30.4 - 35.7	34.3	31.9 - 36.7	34.9	32.5 - 37.4	
PLT (10 ⁹ /L)	60	46 - 74	232	208 - 255	517	475 - 558	
RDW-SD (fL)	45.7	41.6 - 49.8	44.4	40.4 - 48.4	43.4	39.5 - 47.3	
RDW-CV (%)	17.2	15.8 - 18.6	15.0	14.1 - 15.9	13.7	12.9 - 14.6	
MPV (fL)	9.3	8.1 - 10.5	9.6	8.8 - 10.3	9.7	9.0 - 10.4	
WBC (10 ⁹ /L)	2.79	2.45 - 3.12	6.28	5.72 - 6.85	16.78	15.44 - 18.12	
WBC-D (10 ⁹ /L)	2.63	2.31 - 2.95	6.04	5.49 - 6.58	15.49	14.09 - 16.88	
NEUT%	43.8	37.7 - 49.9	48.0	43.2 - 52.8	53.0	47.7 - 58.3	
LYMPH%	38.4	31.5 - 45.3	33.1	28.1 - 38.0	26.0	22.1 - 29.9	
MONO%	8.5	3.9 - 13.0	8.5	5.2 - 11.8	9.4	5.7 - 13.1	
EO%	9.3	5.8 - 12.8	10.4	6.6 - 14.3	11.6	7.4 - 15.8	
BASO%	61.6	54.8 - 68.4	66.9	62.2 - 71.5	73.2	70.2 - 76.1	
NEUT# (10 ⁹ /L)	1.22	0.98 - 1.46	3.02	2.56 - 3.47	8.89	7.74 - 10.05	
LYMPH# (10 ⁹ /L)	1.07	0.82 - 1.32	2.08	1.68 - 2.47	4.36	3.62 - 5.10	
MONO# (10 ⁹ /L)	0.24	0.10 - 0.37	0.53	0.31 - 0.76	1.58	0.95 - 2.21	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.65	0.40 - 0.91	1.95	1.23 - 2.67	
BASO# (10 ⁹ /L)	1.72	1.41 - 2.02	4.20	3.65 - 4.75	12.28	11.05 - 13.51	
NRBC# (10 ⁹ /L)	0.15	0.07 - 0.24	0.43	0.29 - 0.57	1.08	0.84 - 1.31	
NRBC% (/100 WBC)	5.7	2.6 - 8.8	6.9	4.6 - 9.2	6.6	5.2 - 8.0	
PLT-O (10 ⁹ /L)	62	41 - 83	229	190 - 268	530	451 - 610	
RET# (10 ¹² /L)	0.1307	0.0902 - 0.1712	0.1032	0.0722 - 0.1341	0.0476	0.0342 - 0.0609	
RET%	5.70	4.10 - 7.29	2.37	1.73 - 3.01	0.92	0.60 - 1.24	
IRF (%)	40.3	6.9 - 73.8	34.0	2.7 - 65.4	24.3	1.2 - 47.4	
IG (#)	0.28	0.21 - 0.36	0.71	0.56 - 0.85	2.09	1.67 - 2.51	
IG (%)	10.2	8.1 - 12.4	11.2	9.1 - 13.4	12.5	10.1 - 14.8	
HPC (#)	0.011	0.008 - 0.014	0.029	0.022 - 0.036	0.085	0.063 - 0.106	
RET-He (pg)	23.3	20.0 - 26.6	24.3	20.9 - 27.7	25.8	21.7 - 29.9	
IPF (%)	21.8	17.7 - 26.0	22.2	18.0 - 26.4	22.0	17.8 - 26.2	

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