



e-CHECK™ (XE)

HEMATOLOGY CONTROL FOR SYSMEX XE-5000™ and XE-2100™ ANALYZERS

OPEN MODE ASSAY

Expiration Date:		2020-02-17		Quality Control Data Due Date #1: 06-Jan-20		Quality Control Data Due Date #2: 17-Feb-20	
Lot Number:		93310810		93310811		93310812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.32	2.23 - 2.41	4.42	4.29 - 4.55	5.31	5.15 - 5.47	
HGB (g/dL)	5.7	5.5 - 5.9	12.4	12.1 - 12.8	16.8	16.3 - 17.3	
HCT (%)	17.4	16.4 - 18.4	36.3	34.5 - 38.1	47.7	45.3 - 50.1	
MCV (fL)	75.0	70.5 - 79.5	82.1	77.2 - 87.0	89.8	85.3 - 94.3	
MCH (pg)	24.6	23.4 - 25.8	28.1	27.0 - 29.2	31.6	30.3 - 32.9	
MCHC (g/dL)	32.8	30.2 - 35.4	34.3	31.9 - 36.7	35.2	32.7 - 37.7	
PLT (10 ⁹ /L)	58	45 - 71	229	206 - 252	558	513 - 603	
RDW-SD (fL)	46.6	42.4 - 50.8	45.9	41.8 - 50.0	44.2	40.2 - 48.2	
RDW-CV (%)	17.0	15.6 - 18.4	15.5	14.6 - 16.4	13.7	12.9 - 14.5	
MPV (fL)	9.5	8.3 - 10.7	9.7	8.9 - 10.5	9.9	9.2 - 10.6	
WBC (10 ⁹ /L)	3.10	2.73 - 3.47	6.85	6.23 - 7.47	18.09	16.64 - 19.54	
WBC-D (10 ⁹ /L)	2.90	2.55 - 3.25	6.36	5.79 - 6.93	17.27	15.72 - 18.82	
NEUT%	42.3	36.4 - 48.2	47.5	42.8 - 52.3	51.2	46.1 - 56.3	
LYMPH%	38.6	31.7 - 45.5	32.7	27.8 - 37.6	29.1	24.7 - 33.5	
MONO%	9.7	4.5 - 14.9	9.2	5.6 - 12.8	8.4	5.1 - 11.7	
EO%	8.9	5.5 - 12.3	10.2	6.4 - 14.0	11.1	7.1 - 15.1	
BASO%	60.1	53.5 - 66.7	66.3	61.7 - 70.9	69.5	66.7 - 72.3	
NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.26	2.77 - 3.75	9.27	8.06 - 10.48	
LYMPH# (10 ⁹ /L)	1.20	0.92 - 1.48	2.24	1.81 - 2.67	5.27	4.37 - 6.17	
MONO# (10 ⁹ /L)	0.30	0.13 - 0.47	0.63	0.37 - 0.89	1.53	0.92 - 2.14	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.70	0.43 - 0.97	2.01	1.27 - 2.75	
BASO# (10 ⁹ /L)	1.86	1.53 - 2.19	4.54	3.95 - 5.13	12.57	11.31 - 13.83	
NRBC# (10 ⁹ /L)	0.16	0.07 - 0.25	0.45	0.30 - 0.60	1.12	0.87 - 1.37	
NRBC% (/100 WBC)	5.6	2.5 - 8.7	7.0	4.7 - 9.3	6.6	5.2 - 8.0	
PLT-O (10 ⁹ /L)	62	41 - 83	226	188 - 264	551	468 - 634	
RET# (10 ¹² /L)	0.1359	0.0938 - 0.1780	0.1106	0.0774 - 0.1438	0.0542	0.0390 - 0.0694	
RET%	5.87	4.23 - 7.51	2.50	1.83 - 3.18	1.02	0.66 - 1.38	
IRF (%)	41.9	7.1 - 76.7	37.8	3.0 - 72.6	25.5	1.3 - 49.7	
IG (#)	0.31	0.23 - 0.39	0.76	0.60 - 0.92	2.18	1.74 - 2.62	
IG (%)	10.1	8.0 - 12.2	11.1	9.0 - 13.2	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)	24.3	20.9 - 27.7	25.1	21.6 - 28.6	26.8	22.5 - 31.1	
IPF (%)	21.5	17.4 - 25.6	21.4	17.3 - 25.5	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:		2020-02-17		Quality Control Data Due Date #1: 06-Jan-20		Quality Control Data Due Date #2: 17-Feb-20	
Lot Number:		93310810		93310811		93310812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.32	2.23 - 2.41	4.42	4.29 - 4.55	5.23	5.07 - 5.39	
HGB (g/dL)	5.7	5.5 - 6.0	12.4	12.0 - 12.7	16.6	16.1 - 17.1	
HCT (%)	17.4	16.4 - 18.4	36.3	34.5 - 38.1	47.7	45.3 - 50.1	
MCV (fL)	75.0	70.5 - 79.5	82.1	77.2 - 87.0	91.2	86.6 - 95.8	
MCH (pg)	24.7	23.5 - 25.9	28.0	26.9 - 29.1	31.8	30.5 - 33.1	
MCHC (g/dL)	33.0	30.4 - 35.6	34.1	31.7 - 36.5	34.9	32.5 - 37.3	
PLT (10 ⁹ /L)	58	45 - 71	224	202 - 246	519	477 - 560	
RDW-SD (fL)	46.6	42.4 - 50.8	45.9	41.8 - 50.0	44.2	40.2 - 48.2	
RDW-CV (%)	17.0	15.6 - 18.4	15.5	14.6 - 16.4	13.7	12.9 - 14.5	
MPV (fL)	9.5	8.3 - 10.7	9.7	8.9 - 10.5	9.9	9.2 - 10.6	
WBC (10 ⁹ /L)	3.01	2.65 - 3.37	6.44	5.86 - 7.02	17.55	16.15 - 18.95	
WBC-D (10 ⁹ /L)	2.81	2.47 - 3.15	6.17	5.61 - 6.73	16.23	14.77 - 17.69	
NEUT%	42.9	36.9 - 48.9	47.7	42.9 - 52.5	50.7	45.6 - 55.8	
LYMPH%	38.5	31.6 - 45.4	32.9	28.0 - 37.8	29.1	24.7 - 33.5	
MONO%	10.0	4.6 - 15.4	9.0	5.5 - 12.5	8.7	5.3 - 12.1	
EO%	8.6	5.3 - 11.9	10.4	6.6 - 14.2	11.5	7.4 - 15.6	
BASO%	60.5	53.8 - 67.2	66.9	62.2 - 71.6	70.2	67.4 - 73.0	
NEUT# (10 ⁹ /L)	1.29	1.03 - 1.55	3.07	2.61 - 3.53	8.90	7.74 - 10.06	
LYMPH# (10 ⁹ /L)	1.16	0.89 - 1.43	2.12	1.72 - 2.52	5.11	4.24 - 5.98	
MONO# (10 ⁹ /L)	0.30	0.13 - 0.47	0.58	0.34 - 0.82	1.53	0.92 - 2.14	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.67	0.41 - 0.93	2.01	1.27 - 2.75	
BASO# (10 ⁹ /L)	1.82	1.49 - 2.15	4.31	3.75 - 4.87	12.32	11.09 - 13.55	
NRBC# (10 ⁹ /L)	0.15	0.07 - 0.23	0.43	0.29 - 0.57	1.11	0.86 - 1.35	
NRBC% (/100 WBC)	5.6	2.5 - 8.7	7.0	4.7 - 9.3	6.6	5.2 - 8.0	
PLT-O (10 ⁹ /L)	62	41 - 83	226	188 - 264	534	454 - 615	
RET# (10 ¹² /L)	0.1359	0.0938 - 0.1780	0.1106	0.0774 - 0.1438	0.0542	0.0390 - 0.0694	
RET%	5.87	4.23 - 7.51	2.50	1.83 - 3.18	1.02	0.66 - 1.38	
IRF (%)	41.9	7.1 - 76.7	37.8	3.0 - 72.6	25.5	1.3 - 49.7	
IG (#)	0.30	0.23 - 0.38	0.76	0.60 - 0.92	2.18	1.74 - 2.62	
IG (%)	10.1	8.0 - 12.2	11.1	9.0 - 13.2	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)	24.3	20.9 - 27.7	25.1	21.6 - 28.6	26.8	22.5 - 31.1	
IPF (%)	21.5	17.4 - 25.6	21.4	17.3 - 25.5	21.9	17.7 - 26.1	

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