



e-CHECK™ (XE)

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

Expiration Date: 2019-10-28		Quality Control Data Due Date #1: 16-Sep-19			Quality Control Data Due Date #2: 28-Oct-19		
Lot Number: 92210810		92210811			92210812		
Control: L1:Level 1		L2:Level 2			L3:Level 3		
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.33	2.24 - 2.42	4.38	4.25 - 4.51	5.35	5.19 - 5.51	
HGB (g/dL)	5.7	5.4 - 5.9	12.0	11.6 - 12.3	16.7	16.2 - 17.1	
HCT (%)	17.0	16.0 - 18.0	34.8	33.1 - 36.5	46.9	44.6 - 49.2	
MCV (fL)	73.0	68.6 - 77.4	79.5	74.7 - 84.3	87.7	83.3 - 92.1	
MCH (pg)	24.2	23.0 - 25.4	27.3	26.2 - 28.4	31.1	29.9 - 32.3	
MCHC (g/dL)	33.2	30.5 - 35.9	34.4	32.0 - 36.8	35.5	33.0 - 38.0	
PLT (10 ⁹ /L)	58	45 - 71	236	212 - 260	554	510 - 598	
RDW-SD (fL)	52.3	47.6 - 57.0	47.1	42.9 - 51.3	44.5	40.5 - 48.5	
RDW-CV (%)	19.4	17.8 - 21.0	16.3	15.3 - 17.3	14.1	13.3 - 14.9	
MPV (fL)	9.0	7.8 - 10.2	9.3	8.6 - 10.0	9.5	8.8 - 10.2	
WBC (10 ⁹ /L)	3.00	2.64 - 3.36	7.15	6.51 - 7.79	17.85	16.42 - 19.28	
WBC-D (10 ⁹ /L)	2.84	2.50 - 3.18	6.62	6.02 - 7.22	16.84	15.32 - 18.36	
NEUT%	42.5	36.6 - 48.5	46.8	42.1 - 51.5	50.9	45.8 - 56.0	
LYMPH%	38.8	31.8 - 45.8	34.1	29.0 - 39.2	29.3	24.9 - 33.7	
MONO%	9.2	4.2 - 14.2	8.8	5.4 - 12.2	9.0	5.5 - 12.5	
EO%	9.1	5.6 - 12.6	10.0	6.3 - 13.7	10.6	6.8 - 14.4	
BASO%	60.7	54.0 - 67.4	65.3	60.7 - 69.9	69.6	66.8 - 72.4	
NEUT# (10 ⁹ /L)	1.28	1.02 - 1.54	3.35	2.85 - 3.85	9.08	7.90 - 10.26	
LYMPH# (10 ⁹ /L)	1.16	0.89 - 1.43	2.44	1.98 - 2.90	5.23	4.34 - 6.12	
MONO# (10 ⁹ /L)	0.27	0.12 - 0.42	0.63	0.37 - 0.89	1.61	0.97 - 2.25	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.72	0.44 - 1.00	1.90	1.20 - 2.60	
BASO# (10 ⁹ /L)	1.82	1.49 - 2.15	4.66	4.05 - 5.27	12.43	11.19 - 13.67	
NRBC# (10 ⁹ /L)	0.14	0.06 - 0.22	0.43	0.29 - 0.57	1.09	0.85 - 1.33	
NRBC% (/100 WBC)	5.0	2.3 - 7.8	6.3	4.2 - 8.4	6.5	5.1 - 7.9	
PLT-O (10 ⁹ /L)	61	40 - 82	226	188 - 264	534	454 - 614	
RET# (10 ¹² /L)	0.1305	0.0900 - 0.1710	0.1087	0.0761 - 0.1413	0.0572	0.0412 - 0.0732	
RET%	5.59	4.02 - 7.16	2.48	1.81 - 3.15	1.07	0.70 - 1.44	
IRF (%)	47.2	8.0 - 86.4	41.5	3.3 - 79.7	30.5	1.5 - 59.5	
IG #	0.30	0.23 - 0.38	0.78	0.62 - 0.94	2.15	1.72 - 2.58	
IG %	10.1	8.0 - 12.2	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)	23.7	20.4 - 27.0	24.3	20.9 - 27.7	25.7	21.6 - 29.8	
IPF %	21.5	17.4 - 25.6	21.9	17.7 - 26.1	21.5	17.4 - 25.6	

*Not all parameters are available on all analyzer models

**O
P
E
N**



e-CHECK™ (XE)

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

Expiration Date: 2019-10-28		Quality Control Data Due Date #1: 16-Sep-19			Quality Control Data Due Date #2: 28-Oct-19		
Lot Number: 92210810		92210811			92210812		
Control: L1:Level 1		L2:Level 2			L3:Level 3		
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.33	2.24 - 2.42	4.38	4.25 - 4.51	5.27	5.11 - 5.43	
HGB (g/dL)	5.7	5.5 - 5.9	11.9	11.6 - 12.3	16.5	16.0 - 17.0	
HCT (%)	17.0	16.0 - 18.0	34.8	33.1 - 36.5	46.9	44.6 - 49.2	
MCV (fL)	73.0	68.6 - 77.4	79.5	74.7 - 84.3	89.0	84.6 - 93.5	
MCH (pg)	24.4	23.2 - 25.6	27.2	26.1 - 28.3	31.3	30.0 - 32.6	
MCHC (g/dL)	33.4	30.7 - 36.1	34.2	31.8 - 36.6	35.1	32.6 - 37.6	
PLT (10 ⁹ /L)	58	45 - 71	231	208 - 254	515	474 - 556	
RDW-SD (fL)	52.3	47.6 - 57.0	47.1	42.9 - 51.3	44.5	40.5 - 48.5	
RDW-CV (%)	19.4	17.8 - 21.0	16.3	15.3 - 17.3	14.1	13.3 - 14.9	
MPV (fL)	9.0	7.8 - 10.2	9.3	8.6 - 10.0	9.5	8.8 - 10.2	
WBC (10 ⁹ /L)	2.91	2.56 - 3.26	6.72	6.12 - 7.32	17.31	15.93 - 18.69	
WBC-D (10 ⁹ /L)	2.75	2.42 - 3.08	6.42	5.84 - 7.00	15.83	14.40 - 17.25	
NEUT%	43.3	37.2 - 49.4	46.7	42.0 - 51.4	50.4	45.4 - 55.4	
LYMPH%	38.5	31.6 - 45.4	34.4	29.2 - 39.6	29.3	24.9 - 33.7	
MONO%	9.3	4.3 - 14.3	8.6	5.2 - 12.0	9.3	5.7 - 12.9	
EO%	8.9	5.5 - 12.3	10.3	6.5 - 14.1	11.0	7.0 - 15.0	
BASO%	61.2	54.5 - 67.9	65.9	61.3 - 70.5	70.4	67.6 - 73.2	
NEUT# (10 ⁹ /L)	1.26	1.01 - 1.51	3.14	2.67 - 3.61	8.73	7.60 - 9.86	
LYMPH# (10 ⁹ /L)	1.12	0.86 - 1.38	2.31	1.87 - 2.75	5.07	4.21 - 5.93	
MONO# (10 ⁹ /L)	0.27	0.12 - 0.42	0.58	0.34 - 0.82	1.61	0.97 - 2.25	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.69	0.42 - 0.96	1.90	1.20 - 2.60	
BASO# (10 ⁹ /L)	1.78	1.46 - 2.10	4.43	3.85 - 5.01	12.18	10.96 - 13.40	
NRBC# (10 ⁹ /L)	0.13	0.06 - 0.20	0.41	0.27 - 0.55	1.08	0.84 - 1.32	
NRBC% (/100 WBC)	5.0	2.3 - 7.8	6.3	4.2 - 8.4	6.5	5.1 - 7.9	
PLT-O (10 ⁹ /L)	61	40 - 82	226	188 - 264	518	440 - 596	
RET# (10 ¹² /L)	0.1305	0.0900 - 0.1710	0.1087	0.0761 - 0.1413	0.0572	0.0412 - 0.0732	
RET%	5.59	4.02 - 7.16	2.48	1.81 - 3.15	1.07	0.70 - 1.44	
IRF (%)	47.2	8.0 - 86.4	41.5	3.3 - 79.7	30.5	1.5 - 59.5	
IG #	0.29	0.22 - 0.36	0.78	0.62 - 0.94	2.15	1.72 - 2.58	
IG %	10.1	8.0 - 12.2	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)	23.7	20.4 - 27.0	24.3	20.9 - 27.7	25.7	21.6 - 29.8	
IPF %	21.5	17.4 - 25.6	21.9	17.7 - 26.1	21.5	17.4 - 25.6	

*Not all parameters are available on all analyzer models

**C
L
O
S
E
D**