



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:		92200810		92200811		92200812	
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 - 2.38	4.34	4.21 - 4.47	5.27	5.11 - 5.43	
HGB (g/dL)	5.7	5.5 - 5.9	12.1	11.8 - 12.5	16.3	15.8 - 16.8	
HCT (%)	17.3	16.3 - 18.3	35.4	33.6 - 37.2	46.3	44.0 - 48.6	
MCV (fL)	75.5	71.0 - 80.0	81.6	76.7 - 86.5	87.9	83.5 - 92.3	
MCH (pg)	24.8	23.6 - 26.0	27.9	26.8 - 29.0	30.9	29.7 - 32.1	
MCHC (g/dL)	32.9	30.3 - 35.5	34.2	31.8 - 36.6	35.2	32.7 - 37.7	
PLT (10 ⁹ /L)	57	44 - 70	225	203 - 248	532	489 - 575	
RDW-SD (fL)	53.1	48.3 - 57.9	44.1	40.1 - 48.1	45.8	41.7 - 49.9	
RDW-CV (%)	19.3	17.8 - 20.8	15.0	14.1 - 15.9	14.5	13.6 - 15.4	
MPV (fL)	9.1	7.9 - 10.3	9.4	8.6 - 10.2	9.6	8.9 - 10.3	
WBC (10 ⁹ /L)	3.00	2.64 - 3.36	6.95	6.32 - 7.58	17.84	16.41 - 19.27	
WBC-D (10 ⁹ /L)	2.82	2.48 - 3.16	6.38	5.81 - 6.95	16.59	15.10 - 18.08	
NEUT%	42.9	36.9 - 48.9	46.7	42.0 - 51.4	49.8	44.8 - 54.8	
LYMPH%	38.6	31.7 - 45.5	34.1	29.0 - 39.2	30.6	26.0 - 35.2	
MONO%	9.0	4.1 - 13.9	8.7	5.3 - 12.1	8.4	5.1 - 11.7	
EO%	9.1	5.6 - 12.6	10.3	6.5 - 14.1	11.1	7.1 - 15.1	
BASO%	60.7	54.0 - 67.4	64.4	59.9 - 68.9	69.8	67.0 - 72.6	
NEUT# (10 ⁹ /L)	1.28	1.02 - 1.54	3.25	2.76 - 3.74	8.89	7.73 - 10.05	
LYMPH# (10 ⁹ /L)	1.16	0.89 - 1.43	2.37	1.92 - 2.82	5.47	4.54 - 6.40	
MONO# (10 ⁹ /L)	0.27	0.12 - 0.42	0.60	0.35 - 0.85	1.50	0.90 - 2.10	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.71	0.43 - 0.99	1.97	1.24 - 2.70	
BASO# (10 ⁹ /L)	1.82	1.49 - 2.15	4.48	3.90 - 5.06	12.45	11.21 - 13.70	
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	6.6	4.4 - 8.8	6.5	5.1 - 7.9	
PLT-O (10 ⁹ /L)	58	38 - 78	217	180 - 254	521	443 - 599	
RET# (10 ¹² /L)	0.1326	0.0915 - 0.1737	0.1036	0.0725 - 0.1347	0.0545	0.0392 - 0.0698	
RET%	5.79	4.17 - 7.41	2.38	1.74 - 3.02	1.03	0.67 - 1.39	
IRF (%)	45.6	7.8 - 83.4	38.5	3.1 - 73.9	27.8	1.4 - 54.2	
IG #	0.30	0.23 - 0.38	0.76	0.60 - 0.92	2.08	1.66 - 2.50	
IG %	10.1	8.0 - 12.2	10.9	8.8 - 13.0	11.7	9.5 - 13.9	
HPC #	0.011	0.008 - 0.014	0.027	0.020 - 0.034	0.087	0.065 - 0.109	
RET-He (pg)	24.2	20.8 - 27.6	25.1	21.6 - 28.6	26.5	22.3 - 30.7	
IPF %	21.8	17.7 - 25.9	22.0	17.8 - 26.2	21.6	17.5 - 25.7	

*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: 2019-10-28		Quality Control Data Due Date #1: 16-Sep-19			Quality Control Data Due Date #2: 28-Oct-19		
Lot Number:		92200810		92200811		92200812	
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 - 2.38	4.34	4.21 - 4.47	5.19	5.03 - 5.35	
HGB (g/dL)	5.7	5.5 - 5.9	12.1	11.7 - 12.4	16.1	15.7 - 16.6	
HCT (%)	17.3	16.3 - 18.3	35.4	33.6 - 37.2	46.3	44.0 - 48.6	
MCV (fL)	75.5	71.0 - 80.0	81.6	76.7 - 86.5	89.2	84.7 - 93.7	
MCH (pg)	25.0	23.8 - 26.3	27.8	26.7 - 28.9	31.1	29.9 - 32.3	
MCHC (g/dL)	33.1	30.5 - 35.7	34.1	31.7 - 36.5	34.9	32.5 - 37.3	
PLT (10 ⁹ /L)	57	44 - 70	221	199 - 243	495	455 - 534	
RDW-SD (fL)	53.1	48.3 - 57.9	44.1	40.1 - 48.1	45.8	41.7 - 49.9	
RDW-CV (%)	19.3	17.8 - 20.8	15.0	14.1 - 15.9	14.5	13.6 - 15.4	
MPV (fL)	9.1	7.9 - 10.3	9.4	8.6 - 10.2	9.6	8.9 - 10.3	
WBC (10 ⁹ /L)	2.91	2.56 - 3.26	6.53	5.94 - 7.12	17.30	15.92 - 18.68	
WBC-D (10 ⁹ /L)	2.74	2.41 - 3.07	6.19	5.63 - 6.75	15.59	14.19 - 17.00	
NEUT%	43.3	37.2 - 49.4	46.7	42.0 - 51.4	49.2	44.3 - 54.1	
LYMPH%	38.5	31.6 - 45.4	34.3	29.2 - 39.4	30.7	26.1 - 35.3	
MONO%	9.3	4.3 - 14.3	8.6	5.2 - 12.0	8.7	5.3 - 12.1	
EO%	8.9	5.5 - 12.3	10.4	6.6 - 14.2	11.4	7.3 - 15.5	
BASO%	61.2	54.5 - 67.9	65.2	60.6 - 69.8	70.5	67.7 - 73.3	
NEUT# (10 ⁹ /L)	1.26	1.01 - 1.51	3.05	2.59 - 3.51	8.52	7.41 - 9.63	
LYMPH# (10 ⁹ /L)	1.12	0.86 - 1.38	2.24	1.81 - 2.67	5.31	4.41 - 6.21	
MONO# (10 ⁹ /L)	0.27	0.12 - 0.42	0.56	0.32 - 0.80	1.50	0.90 - 2.10	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.68	0.41 - 0.95	1.97	1.24 - 2.70	
BASO# (10 ⁹ /L)	1.78	1.46 - 2.10	4.26	3.71 - 4.81	12.20	10.98 - 13.42	
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	6.6	4.4 - 8.8	6.5	5.1 - 7.9	
PLT-O (10 ⁹ /L)	58	38 - 78	217	180 - 254	505	430 - 581	
RET# (10 ¹² /L)	0.1326	0.0915 - 0.1737	0.1036	0.0725 - 0.1347	0.0545	0.0392 - 0.0698	
RET%	5.79	4.17 - 7.41	2.38	1.74 - 3.02	1.03	0.67 - 1.39	
IRF (%)	45.6	7.8 - 83.4	38.5	3.1 - 73.9	27.8	1.4 - 54.2	
IG #	0.29	0.22 - 0.36	0.76	0.60 - 0.92	2.08	1.66 - 2.50	
IG %	10.1	8.0 - 12.2	10.9	8.8 - 13.0	11.7	9.5 - 13.9	
HPC #	0.011	0.008 - 0.014	0.027	0.020 - 0.034	0.087	0.065 - 0.109	
RET-He (pg)	24.2	20.8 - 27.6	25.1	21.6 - 28.6	26.5	22.3 - 30.7	
IPF %	21.8	17.7 - 25.9	22.0	17.8 - 26.2	21.6	17.5 - 25.7	

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