



e-CHECK™ (XE)

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

OPEN MODE ASSAY

Expiration Date:		2020-08-03		Quality Control Data Due Date #1: 22-Jun-20		Quality Control Data Due Date #2: 03-Aug-20	
Lot Number:		01340810		01340811		01340812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.31	2.22 - 2.40	4.42	4.29 - 4.56	5.31	5.15 - 5.46	
HGB (g/dL)	5.7	5.5 - 5.9	12.2	11.9 - 12.6	16.5	16.0 - 17.0	
HCT (%)	17.4	16.4 - 18.5	35.9	34.1 - 37.7	47.0	44.6 - 49.3	
MCV (fL)	75.4	70.8 - 79.9	81.2	76.3 - 86.1	88.6	84.2 - 93.0	
MCH (pg)	24.7	23.5 - 25.9	27.6	26.5 - 28.7	31.0	29.8 - 32.3	
MCHC (g/dL)	32.8	30.2 - 35.4	34.0	31.6 - 36.4	35.0	32.6 - 37.5	
PLT (10 ⁹ /L)	60	46 - 73	231	208 - 254	547	503 - 591	
RDW-SD (fL)	47.4	43.1 - 51.7	44.5	40.5 - 48.5	46.8	42.6 - 51.0	
RDW-CV (%)	17.3	15.9 - 18.7	15.3	14.4 - 16.2	14.8	13.9 - 15.6	
MPV (fL)	9.2	8.0 - 10.3	9.5	8.7 - 10.2	9.6	9.0 - 10.3	
WBC (10 ⁹ /L)	2.99	2.64 - 3.35	6.85	6.23 - 7.46	17.54	16.14 - 18.94	
WBC-D (10 ⁹ /L)	2.80	2.46 - 3.13	6.34	5.77 - 6.91	16.62	15.13 - 18.12	
NEUT%	43.2	37.2 - 49.3	47.0	42.3 - 51.7	51.2	46.1 - 56.3	
LYMPH%	38.3	31.4 - 45.2	34.2	29.0 - 39.3	28.8	24.5 - 33.1	
MONO%	9.0	4.2 - 13.9	8.8	5.3 - 12.2	9.0	5.5 - 12.5	
EO%	9.4	5.8 - 13.0	10.1	6.3 - 13.8	11.1	7.1 - 15.1	
BASO%	61.3	54.5 - 68.0	64.5	60.0 - 69.0	70.7	67.9 - 73.5	
NEUT# (10 ⁹ /L)	1.21	0.97 - 1.45	2.98	2.53 - 3.43	8.50	7.40 - 9.61	
LYMPH# (10 ⁹ /L)	1.07	0.83 - 1.32	2.16	1.75 - 2.58	4.78	3.97 - 5.60	
MONO# (10 ⁹ /L)	0.25	0.11 - 0.39	0.56	0.32 - 0.79	1.49	0.89 - 2.09	
EO# (10 ⁹ /L)	0.26	0.16 - 0.37	0.64	0.39 - 0.89	1.84	1.16 - 2.52	
BASO# (10 ⁹ /L)	1.84	1.50 - 2.17	4.42	3.84 - 4.99	12.40	11.16 - 13.65	
NRBC# (10 ⁹ /L)	0.13	0.06 - 0.21	0.40	0.27 - 0.53	1.09	0.85 - 1.33	
NRBC% (/100 WBC)	4.8	2.2 - 7.4	6.3	4.2 - 8.4	6.6	5.2 - 8.0	
PLT-O (10 ⁹ /L)	64	42 - 86	233	194 - 273	557	474 - 641	
RET# (10 ¹² /L)	0.1362	0.0940 - 0.1784	0.1095	0.0766 - 0.1423	0.0541	0.0389 - 0.0692	
RET%	5.89	4.24 - 7.55	2.47	1.81 - 3.14	1.02	0.66 - 1.38	
IRF (%)	29.6	5.0 - 54.2	26.4	2.1 - 50.7	18.6	0.9 - 36.2	
IG (#)	0.28	0.21 - 0.35	0.70	0.56 - 0.85	1.99	1.59 - 2.39	
IG (%)	10.1	8.0 - 12.2	11.1	9.0 - 13.2	12.0	9.7 - 14.3	
HPC (#)	0.012	0.008 - 0.015	0.026	0.020 - 0.033	0.083	0.062 - 0.104	
RET-He (pg)	23.5	20.2 - 26.8	24.2	20.8 - 27.6	25.9	21.8 - 30.1	
IPF (%)	21.6	17.5 - 25.7	22.1	17.9 - 26.3	22.2	18.0 - 26.5	

*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:		2020-08-03		Quality Control Data Due Date #1: 22-Jun-20		Quality Control Data Due Date #2: 03-Aug-20	
Lot Number:		01340810		01340811		01340812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.31	2.22 - 2.40	4.42	4.29 - 4.56	5.23	5.07 - 5.38	
HGB (g/dL)	5.7	5.5 - 6.0	12.2	11.8 - 12.5	16.3	15.8 - 16.8	
HCT (%)	17.4	16.4 - 18.5	35.9	34.1 - 37.7	47.0	44.6 - 49.3	
MCV (fL)	75.4	70.8 - 79.9	81.2	76.3 - 86.1	89.9	85.4 - 94.4	
MCH (pg)	24.8	23.6 - 26.1	27.5	26.4 - 28.6	31.2	29.9 - 32.4	
MCHC (g/dL)	32.9	30.3 - 35.6	33.8	31.5 - 36.2	34.7	32.2 - 37.1	
PLT (10 ⁹ /L)	60	46 - 73	226	204 - 249	509	468 - 549	
RDW-SD (fL)	47.4	43.1 - 51.7	44.5	40.5 - 48.5	46.8	42.6 - 51.0	
RDW-CV (%)	17.3	15.9 - 18.7	15.3	14.4 - 16.2	14.8	13.9 - 15.6	
MPV (fL)	9.2	8.0 - 10.3	9.5	8.7 - 10.2	9.6	9.0 - 10.3	
WBC (10 ⁹ /L)	2.90	2.56 - 3.25	6.43	5.86 - 7.01	17.01	15.65 - 18.38	
WBC-D (10 ⁹ /L)	2.71	2.39 - 3.04	6.15	5.59 - 6.70	15.62	14.22 - 17.03	
NEUT%	43.2	37.2 - 49.3	47.0	42.3 - 51.7	50.9	45.8 - 56.0	
LYMPH%	38.3	31.4 - 45.2	34.3	29.2 - 39.5	28.6	24.3 - 32.9	
MONO%	9.0	4.2 - 13.9	8.5	5.2 - 11.8	9.1	5.5 - 12.6	
EO%	9.4	5.8 - 13.0	10.2	6.4 - 13.9	11.4	7.3 - 15.5	
BASO%	61.6	54.8 - 68.4	65.1	60.6 - 69.7	71.4	68.6 - 74.3	
NEUT# (10 ⁹ /L)	1.17	0.94 - 1.41	2.89	2.46 - 3.32	7.95	6.92 - 8.98	
LYMPH# (10 ⁹ /L)	1.04	0.80 - 1.28	2.11	1.71 - 2.51	4.47	3.71 - 5.24	
MONO# (10 ⁹ /L)	0.25	0.11 - 0.38	0.52	0.30 - 0.74	1.41	0.85 - 1.98	
EO# (10 ⁹ /L)	0.26	0.15 - 0.36	0.62	0.38 - 0.87	1.78	1.12 - 2.44	
BASO# (10 ⁹ /L)	1.79	1.47 - 2.11	4.19	3.65 - 4.74	12.15	10.94 - 13.37	
NRBC# (10 ⁹ /L)	0.13	0.06 - 0.20	0.39	0.26 - 0.52	1.03	0.80 - 1.25	
NRBC% (/100 WBC)	4.8	2.2 - 7.4	6.3	4.2 - 8.4	6.6	5.2 - 8.0	
PLT-O (10 ⁹ /L)	64	42 - 86	233	194 - 273	541	460 - 622	
RET# (10 ¹² /L)	0.1362	0.0940 - 0.1784	0.1095	0.0766 - 0.1423	0.0533	0.0384 - 0.0682	
RET%	5.89	4.24 - 7.55	2.47	1.81 - 3.14	1.02	0.66 - 1.38	
IRF (%)	29.6	5.0 - 54.2	26.4	2.1 - 50.7	18.6	0.9 - 36.2	
IG (#)	0.27	0.21 - 0.34	0.68	0.56 - 0.85	1.87	1.50 - 2.25	
IG (%)	10.1	8.0 - 12.2	11.1	9.0 - 13.2	12.0	9.7 - 14.3	
HPC (#)	0.012	0.008 - 0.015	0.026	0.020 - 0.033	0.083	0.062 - 0.104	
RET-He (pg)	23.5	20.2 - 26.8	24.2	20.8 - 27.6	25.9	21.8 - 30.1	
IPF (%)	21.6	17.5 - 25.7	22.1	17.9 - 26.3	22.2	18.0 - 26.5	

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