



# 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:	01350810		01350811		01350812		
Control:	L1:Level 1		L2:Level 2		L3:Level 3		
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.32	2.22 - 2.41	4.36	4.23 - 4.49	5.34	5.18 - 5.50	
HGB (g/dL)	5.6	5.4 - 5.8	11.8	11.4 - 12.1	16.5	16.0 - 17.0	
HCT (%)	17.1	16.1 - 18.2	34.6	32.9 - 36.3	47.1	44.7 - 49.4	
MCV (fL)	74.0	69.5 - 78.4	79.4	74.6 - 84.2	88.1	83.7 - 92.5	
MCH (pg)	24.2	23.0 - 25.4	27.0	26.0 - 28.1	30.9	29.7 - 32.2	
MCHC (g/dL)	32.7	30.1 - 35.3	34.1	31.7 - 36.4	35.1	32.7 - 37.6	
PLT (10 <sup>9</sup> /L)	57	44 - 70	236	213 - 260	562	517 - 607	
RDW-SD (fL)	47.4	43.1 - 51.6	46.0	41.8 - 50.1	43.0	39.1 - 46.8	
RDW-CV (%)	17.7	16.3 - 19.1	15.9	14.9 - 16.8	13.6	12.8 - 14.4	
MPV (fL)	9.2	8.0 - 10.4	9.4	8.7 - 10.2	9.6	8.9 - 10.3	
WBC (10 <sup>9</sup> /L)	3.07	2.70 - 3.44	7.13	6.48 - 7.77	17.67	16.25 - 19.08	
WBC-D (10 <sup>9</sup> /L)	2.85	2.51 - 3.20	6.59	5.99 - 7.18	16.95	15.42 - 18.47	
NEUT%	44.2	38.0 - 50.4	47.1	42.4 - 51.8	51.3	46.1 - 56.4	
LYMPH%	37.7	30.9 - 44.5	34.3	29.2 - 39.5	28.6	24.3 - 32.9	
MONO%	8.6	4.0 - 13.3	8.8	5.4 - 12.2	9.5	5.8 - 13.2	
EO%	9.5	5.9 - 13.1	9.8	6.2 - 13.4	10.7	6.8 - 14.5	
BASO%	61.6	54.8 - 68.4	64.7	60.2 - 69.2	69.9	67.1 - 72.7	
NEUT# (10 <sup>9</sup> /L)	1.26	1.01 - 1.51	3.10	2.64 - 3.57	8.69	7.56 - 9.82	
LYMPH# (10 <sup>9</sup> /L)	1.08	0.83 - 1.32	2.26	1.83 - 2.69	4.85	4.02 - 5.67	
MONO# (10 <sup>9</sup> /L)	0.25	0.11 - 0.38	0.58	0.34 - 0.82	1.61	0.97 - 2.25	
EO# (10 <sup>9</sup> /L)	0.27	0.16 - 0.38	0.65	0.39 - 0.90	1.81	1.14 - 2.48	
BASO# (10 <sup>9</sup> /L)	1.89	1.55 - 2.23	4.61	4.01 - 5.21	12.36	11.12 - 13.59	
NRBC# (10 <sup>9</sup> /L)	0.14	0.06 - 0.22	0.43	0.29 - 0.57	1.13	0.88 - 1.38	
NRBC% (/100 WBC)	4.9	2.2 - 7.6	6.5	4.3 - 8.6	6.7	5.3 - 8.1	
PLT-O (10 <sup>9</sup> /L)	60	40 - 81	233	193 - 272	578	492 - 665	
RET# (10 <sup>12</sup> /L)	0.1390	0.0959 - 0.1820	0.1102	0.0771 - 0.1432	0.0530	0.0381 - 0.0678	
RET%	6.00	4.32 - 7.68	2.53	1.84 - 3.21	0.99	0.64 - 1.34	
IRF (%)	27.0	4.6 - 49.4	24.3	1.9 - 46.6	18.5	0.9 - 36.1	
IG (#)	0.30	0.22 - 0.37	0.72	0.57 - 0.87	2.04	1.64 - 2.45	
IG (%)	10.4	8.2 - 12.6	11.0	8.9 - 13.1	12.1	9.8 - 14.4	
HPC (#)	0.012	0.008 - 0.015	0.027	0.020 - 0.033	0.086	0.065 - 0.108	
RET-He (pg)	24.1	20.7 - 27.5	24.6	21.1 - 28.0	26.3	22.1 - 30.5	
IPF (%)	21.5	17.4 - 25.6	21.7	17.5 - 25.8	21.9	17.7 - 26.0	

\*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:	01350810		01350811		01350812		
Control:	L1:Level 1		L2:Level 2		L3:Level 3		
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.32	2.22 - 2.41	4.36	4.23 - 4.49	5.26	5.11 - 5.42	
HGB (g/dL)	5.6	5.4 - 5.9	11.7	11.4 - 12.1	16.4	15.9 - 16.9	
HCT (%)	17.1	16.1 - 18.2	34.6	32.9 - 36.3	47.1	44.7 - 49.4	
MCV (fL)	74.0	69.5 - 78.4	79.4	74.6 - 84.2	89.5	85.0 - 93.9	
MCH (pg)	24.3	23.1 - 25.5	26.9	25.8 - 28.0	31.1	29.9 - 32.4	
MCHC (g/dL)	32.9	30.2 - 35.5	33.9	31.5 - 36.3	34.8	32.3 - 37.2	
PLT (10 <sup>9</sup> /L)	57	44 - 70	231	208 - 255	523	481 - 565	
RDW-SD (fL)	47.4	43.1 - 51.6	46.0	41.8 - 50.1	43.0	39.1 - 46.8	
RDW-CV (%)	17.7	16.3 - 19.1	15.9	14.9 - 16.8	13.6	12.8 - 14.4	
MPV (fL)	9.2	8.0 - 10.4	9.4	8.7 - 10.2	9.6	8.9 - 10.3	
WBC (10 <sup>9</sup> /L)	2.98	2.62 - 3.34	6.70	6.10 - 7.30	17.14	15.77 - 18.51	
WBC-D (10 <sup>9</sup> /L)	2.77	2.44 - 3.10	6.39	5.81 - 6.96	15.93	14.50 - 17.37	
NEUT%	44.2	38.0 - 50.4	47.1	42.4 - 51.8	51.0	45.9 - 56.1	
LYMPH%	37.7	30.9 - 44.5	34.5	29.3 - 39.7	28.4	24.2 - 32.7	
MONO%	8.6	4.0 - 13.3	8.5	5.2 - 11.8	9.6	5.8 - 13.3	
EO%	9.5	5.9 - 13.1	9.9	6.2 - 13.6	11.0	7.0 - 14.9	
BASO%	61.9	55.1 - 68.7	65.3	60.8 - 69.9	70.6	67.8 - 73.5	
NEUT# (10 <sup>9</sup> /L)	1.22	0.98 - 1.47	3.01	2.56 - 3.46	8.12	7.07 - 9.18	
LYMPH# (10 <sup>9</sup> /L)	1.04	0.80 - 1.28	2.20	1.79 - 2.62	4.53	3.76 - 5.30	
MONO# (10 <sup>9</sup> /L)	0.24	0.10 - 0.37	0.54	0.32 - 0.77	1.53	0.92 - 2.14	
EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.37	0.63	0.39 - 0.88	1.75	1.10 - 2.40	
BASO# (10 <sup>9</sup> /L)	1.84	1.51 - 2.18	4.38	3.81 - 4.95	12.11	10.89 - 13.32	
NRBC# (10 <sup>9</sup> /L)	0.14	0.06 - 0.21	0.41	0.28 - 0.55	1.06	0.83 - 1.30	
NRBC% (/100 WBC)	4.9	2.2 - 7.6	6.5	4.3 - 8.6	6.7	5.3 - 8.1	
PLT-O (10 <sup>9</sup> /L)	60	40 - 81	233	193 - 272	561	477 - 645	
RET# (10 <sup>12</sup> /L)	0.1390	0.0959 - 0.1820	0.1102	0.0771 - 0.1432	0.0522	0.0376 - 0.0668	
RET%	6.00	4.32 - 7.68	2.53	1.84 - 3.21	0.99	0.64 - 1.34	
IRF (%)	27.0	4.6 - 49.4	24.3	1.9 - 46.6	18.5	0.9 - 36.1	
IG (#)	0.29	0.22 - 0.36	0.70	0.55 - 0.85	1.92	1.54 - 2.31	
IG (%)	10.4	8.2 - 12.6	11.0	8.9 - 13.1	12.1	9.8 - 14.4	
HPC (#)	0.012	0.008 - 0.015	0.027	0.020 - 0.033	0.086	0.065 - 0.108	
RET-He (pg)	24.1	20.7 - 27.5	24.6	21.1 - 28.0	26.3	22.1 - 30.5	
IPF (%)	21.5	17.4 - 25.6	21.7	17.5 - 25.8	21.9	17.7 - 26.0	

\*Not all parameters are available on all analyzer models

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