



**e-CHECK™ (XE)**

HEMATOLOGY CONTROL FOR SYSMEX XT-4000i™, XT-2000i™ and XT-1800i™ Analyzers

**OPEN MODE ASSAY**

Expiration Date: <b>2019-10-28</b>		Quality Control Data Due Date #1: <b>16-Sep-19</b>			Quality Control Data Due Date #2: <b>28-Oct-19</b>				
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 <sup>12</sup> /L)	2.35	2.26	- 2.44	4.39	4.21	- 4.57	5.38	5.16	- 5.60
HGB (g/dL)	5.5	5.3	- 5.7	11.7	11.4	- 12.1	16.4	15.9	- 16.9
HCT (%)	17.3	16.3	- 18.3	34.9	33.2	- 36.6	47.5	45.1	- 49.9
MCV (fL)	73.6	69.2	- 78.0	79.5	75.5	- 83.5	88.3	83.9	- 92.7
MCH (pg)	23.5	21.9	- 25.1	26.7	25.1	- 28.3	30.5	29.0	- 32.0
MCHC (g/dL)	31.9	29.0	- 34.8	33.6	31.2	- 36.0	34.6	32.2	- 37.0
PLT (10 <sup>9</sup> /L)	60	44	- 76	234	208	- 260	538	495	- 581
RDW-SD (fL)	52.9	47.6	- 58.2	47.8	43.0	- 52.6	44.8	39.4	- 50.2
RDW-CV (%)	20.0	18.0	- 22.0	17.1	15.7	- 18.5	14.7	13.5	- 15.9
MPV (fL)	9.1	7.9	- 10.3	9.6	8.9	- 10.3	9.8	9.3	- 10.3
WBC (10 <sup>9</sup> /L)	2.97	2.55	- 3.39	7.23	6.51	- 7.95	18.06	16.43	- 19.69
WBC-D (10 <sup>9</sup> /L)	2.85	2.48	- 3.22	6.45	5.74	- 7.16	17.33	15.60	- 19.06
NEUT%	43.2	37.2	- 49.2	45.8	41.2	- 50.4	50.5	46.0	- 55.0
LYMPH%	36.3	28.0	- 44.6	32.8	27.2	- 38.4	27.3	23.8	- 30.8
MONO%	11.2	4.0	- 18.4	11.1	6.2	- 16.0	11.6	7.1	- 16.1
EO%	9.3	5.9	- 12.7	10.2	6.5	- 13.9	10.6	6.9	- 14.3
BASO%	60.8	54.7	- 66.9	65.1	61.2	- 69.0	72.5	69.6	- 75.4
NEUT# (10 <sup>9</sup> /L)	1.28	1.02	- 1.54	3.31	2.81	- 3.81	9.13	7.94	- 10.32
LYMPH# (10 <sup>9</sup> /L)	1.08	0.79	- 1.37	2.37	1.90	- 2.84	4.94	4.15	- 5.73
MONO# (10 <sup>9</sup> /L)	0.33	0.11	- 0.55	0.80	0.44	- 1.16	2.09	1.25	- 2.93
EO# (10 <sup>9</sup> /L)	0.28	0.17	- 0.39	0.74	0.47	- 1.01	1.91	1.22	- 2.60
BASO# (10 <sup>9</sup> /L)	1.81	1.48	- 2.14	4.70	4.14	- 5.26	13.09	11.78	- 14.40
PLT-O (10 <sup>9</sup> /L)	57	37	- 77	226	183	- 269	582	489	- 675
RET# (10 <sup>12</sup> /L)	0.1013	0.0719	- 0.1307	0.0760	0.0502	- 0.1018	0.0452	0.0271	- 0.0633
RET%	4.28	3.17	- 5.39	1.80	1.28	- 2.32	0.83	0.49	- 1.17
IRF (%)	60.2	15.7	- 104.7	52.1	9.9	- 94.3	35.5	4.3	- 66.7
IG #	0.34	0.26	- 0.42	0.89	0.71	- 1.07	2.55	1.48	- 3.62
IG %	11.6	9.3	- 13.9	12.5	10.3	- 14.8	13.5	7.8	- 19.2
RET-He (pg)	24.0	21.6	- 26.4	24.0	21.6	- 26.4	23.9	20.6	- 27.2

\*Not all parameters are available on all analyzer models



**e-CHECK™ (XE)**

HEMATOLOGY CONTROL FOR SYSMEX XT-4000i™, XT-2000i™ and XT-1800i™ Analyzers

**CLOSED MODE ASSAY**

Expiration Date: <b>2019-10-28</b>		Quality Control Data Due Date #1: <b>16-Sep-19</b>			Quality Control Data Due Date #2: <b>28-Oct-19</b>				
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 <sup>12</sup> /L)	2.35	2.26	- 2.44	4.39	4.21	- 4.57	5.33	5.12	- 5.54
HGB (g/dL)	5.5	5.3	- 5.7	12.0	11.6	- 12.3	16.4	15.9	- 16.9
HCT (%)	17.3	16.3	- 18.3	34.9	33.2	- 36.6	47.5	45.1	- 49.9
MCV (fL)	73.6	69.2	- 78.0	79.5	75.5	- 83.5	89.1	84.6	- 93.6
MCH (pg)	23.5	21.9	- 25.1	27.3	25.7	- 28.9	30.8	29.3	- 32.3
MCHC (g/dL)	31.9	29.0	- 34.8	34.3	31.9	- 36.7	34.6	32.2	- 37.0
PLT (10 <sup>9</sup> /L)	60	44	- 76	225	200	- 249	495	455	- 535
RDW-SD (fL)	52.9	47.6	- 58.2	47.8	43.0	- 52.6	44.8	39.4	- 50.2
RDW-CV (%)	20.0	18.0	- 22.0	17.1	15.7	- 18.5	14.7	13.5	- 15.9
MPV (fL)	9.1	7.9	- 10.3	9.6	8.9	- 10.3	9.8	9.3	- 10.3
WBC (10 <sup>9</sup> /L)	2.97	2.55	- 3.39	7.01	6.31	- 7.71	17.52	15.94	- 19.10
WBC-D (10 <sup>9</sup> /L)	2.88	2.51	- 3.25	6.64	5.91	- 7.37	17.50	15.75	- 19.25
NEUT%	43.4	37.3	- 49.5	45.9	41.3	- 50.5	49.7	45.2	- 54.2
LYMPH%	36.4	28.0	- 44.8	33.1	27.5	- 38.7	28.2	24.5	- 31.9
MONO%	11.1	4.0	- 18.2	10.6	5.9	- 15.3	11.2	6.8	- 15.6
EO%	9.1	5.7	- 12.5	10.4	6.7	- 14.1	10.9	7.1	- 14.7
BASO%	60.9	54.8	- 67.0	64.3	60.4	- 68.2	73.2	70.3	- 76.1
NEUT# (10 <sup>9</sup> /L)	1.29	1.03	- 1.55	3.22	2.74	- 3.70	8.71	7.58	- 9.84
LYMPH# (10 <sup>9</sup> /L)	1.08	0.79	- 1.37	2.32	1.86	- 2.78	4.94	4.15	- 5.73
MONO# (10 <sup>9</sup> /L)	0.33	0.11	- 0.55	0.74	0.41	- 1.07	1.96	1.18	- 2.74
EO# (10 <sup>9</sup> /L)	0.27	0.16	- 0.38	0.73	0.46	- 1.00	1.91	1.22	- 2.60
BASO# (10 <sup>9</sup> /L)	1.81	1.48	- 2.14	4.51	3.97	- 5.05	12.83	11.55	- 14.11
PLT-O (10 <sup>9</sup> /L)	57	37	- 77	226	183	- 269	565	474	- 655
RET# (10 <sup>12</sup> /L)	0.0962	0.0683	- 0.1241	0.0760	0.0502	- 0.1018	0.0452	0.0271	- 0.0633
RET%	4.07	3.01	- 5.13	1.80	1.28	- 2.32	0.83	0.49	- 1.17
IRF (%)	60.2	15.7	- 104.7	52.1	9.9	- 94.3	35.5	4.3	- 66.7
IG #	0.34	0.26	- 0.42	0.89	0.71	- 1.07	2.52	1.46	- 3.58
IG %	11.6	9.3	- 13.9	12.5	10.3	- 14.8	13.5	7.8	- 19.2
RET-He (pg)	24.0	21.6	- 26.4	24.0	21.6	- 26.4	23.9	20.6	- 27.2

\*Not all parameters are available on all analyzer models