



**e-CHECK™ (XE)**

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

**OPEN MODE ASSAY**

Expiration Date		Quality Control Data Due Date #1:				Quality Control Data Due Date #2:			
2019-10-28		16-Sep-19				28-Oct-19			
Lot Number:		92190810		92190811		92190812			
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	2.23	- 2.41	4.39	4.21	- 4.57	5.32	5.11	- 5.53
HGB (g/dL)	5.5	5.3	- 5.7	12.3	11.9	- 12.6	16.4	15.9	- 16.8
HCT (%)	17.1	16.1	- 18.1	36.4	34.6	- 38.2	47.8	45.4	- 50.2
MCV (fL)	73.7	69.3	- 78.1	82.9	78.8	- 87.0	89.8	85.3	- 94.3
MCH (pg)	23.8	22.1	- 25.5	27.9	26.2	- 29.6	30.7	29.2	- 32.2
MCHC (g/dL)	32.2	29.3	- 35.1	33.7	31.3	- 36.1	34.2	31.8	- 36.6
PLT (10 <sup>9</sup> /L)	62	46	- 78	227	202	- 252	531	489	- 573
RDW-SD (fL)	48.7	43.8	- 53.6	44.0	39.6	- 48.4	43.6	38.4	- 48.8
RDW-CV (%)	18.5	16.7	- 20.4	15.2	14.0	- 16.4	14.2	13.1	- 15.3
MPV (fL)	8.9	7.7	- 10.1	9.4	8.7	- 10.1	9.6	9.1	- 10.1
WBC (10 <sup>9</sup> /L)	2.98	2.56	- 3.40	7.01	6.31	- 7.71	18.04	16.42	- 19.66
WBC-D (10 <sup>9</sup> /L)	2.85	2.48	- 3.22	6.32	5.62	- 7.02	17.35	15.62	- 19.09
NEUT%	41.8	35.9	- 47.7	45.5	41.0	- 50.1	50.0	45.5	- 54.5
LYMPH%	38.2	29.4	- 47.0	33.8	28.1	- 39.5	28.8	25.1	- 32.5
MONO%	11.5	4.1	- 18.9	11.3	6.3	- 16.3	11.1	6.8	- 15.4
EO%	8.5	5.4	- 11.6	9.5	6.1	- 12.9	10.2	6.6	- 13.8
BASO%	58.5	52.7	- 64.4	62.9	59.1	- 66.7	71.4	68.5	- 74.3
NEUT# (10 <sup>9</sup> /L)	1.25	1.00	- 1.50	3.19	2.71	- 3.67	9.02	7.85	- 10.19
LYMPH# (10 <sup>9</sup> /L)	1.14	0.83	- 1.45	2.37	1.90	- 2.84	5.19	4.36	- 6.02
MONO# (10 <sup>9</sup> /L)	0.34	0.12	- 0.56	0.79	0.43	- 1.15	2.00	1.20	- 2.80
EO# (10 <sup>9</sup> /L)	0.25	0.15	- 0.35	0.66	0.42	- 0.90	1.85	1.18	- 2.52
BASO# (10 <sup>9</sup> /L)	1.75	1.44	- 2.07	4.41	3.88	- 4.94	12.88	11.59	- 14.17
PLT-O (10 <sup>9</sup> /L)	55	36	- 74	221	179	- 263	577	485	- 669
RET# (10 <sup>12</sup> /L)	0.0961	0.0682	- 0.1240	0.0743	0.0490	- 0.0996	0.0418	0.0251	- 0.0585
RET%	4.10	3.03	- 5.17	1.68	1.19	- 2.17	0.78	0.46	- 1.10
IRF (%)	56.9	14.8	- 99.0	49.5	9.4	- 89.6	31.9	3.8	- 60.0
IG #	0.34	0.26	- 0.42	0.86	0.69	- 1.03	2.56	1.48	- 3.64
IG %	11.6	9.3	- 13.9	12.4	10.2	- 14.6	13.6	7.9	- 19.3
RET-He (pg)	23.9	21.5	- 26.3	24.1	21.7	- 26.5	24.1	20.7	- 27.5

\*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		Quality Control Data Due Date #1:				Quality Control Data Due Date #2:			
2019-10-28		16-Sep-19				28-Oct-19			
Lot Number:		92190810		92190811		92190812			
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	2.23	- 2.41	4.39	4.21	- 4.57	5.27	5.06	- 5.48
HGB (g/dL)	5.5	5.3	- 5.7	12.5	12.1	- 12.9	16.4	15.9	- 16.8
HCT (%)	17.1	16.1	- 18.1	36.4	34.6	- 38.2	47.8	45.4	- 50.2
MCV (fL)	73.7	69.3	- 78.1	82.9	78.8	- 87.0	90.7	86.2	- 95.2
MCH (pg)	23.8	22.1	- 25.5	28.5	26.8	- 30.2	31.0	29.5	- 32.6
MCHC (g/dL)	32.2	29.3	- 35.1	34.4	32.0	- 36.8	34.2	31.8	- 36.6
PLT (10 <sup>9</sup> /L)	62	46	- 78	218	194	- 242	489	449	- 528
RDW-SD (fL)	48.7	43.8	- 53.6	44.0	39.6	- 48.4	43.6	38.4	- 48.8
RDW-CV (%)	18.5	16.7	- 20.4	15.2	14.0	- 16.4	14.2	13.1	- 15.3
MPV (fL)	8.9	7.7	- 10.1	9.4	8.7	- 10.1	9.6	9.1	- 10.1
WBC (10 <sup>9</sup> /L)	2.98	2.56	- 3.40	6.80	6.12	- 7.48	17.50	15.93	- 19.08
WBC-D (10 <sup>9</sup> /L)	2.88	2.51	- 3.25	6.51	5.79	- 7.23	17.52	15.77	- 19.27
NEUT%	42.2	36.3	- 48.1	45.6	41.0	- 50.2	49.0	44.6	- 53.4
LYMPH%	38.3	29.5	- 47.1	34.1	28.3	- 39.9	29.7	25.8	- 33.6
MONO%	11.4	4.1	- 18.7	10.7	6.0	- 15.4	10.7	6.5	- 14.9
EO%	8.1	5.1	- 11.1	9.6	6.1	- 13.1	10.6	6.9	- 14.3
BASO%	58.7	52.8	- 64.6	62.2	58.5	- 65.9	72.1	69.2	- 75.0
NEUT# (10 <sup>9</sup> /L)	1.26	1.01	- 1.51	3.10	2.64	- 3.57	8.58	7.46	- 9.70
LYMPH# (10 <sup>9</sup> /L)	1.14	0.83	- 1.45	2.32	1.86	- 2.78	5.19	4.36	- 6.02
MONO# (10 <sup>9</sup> /L)	0.34	0.12	- 0.56	0.73	0.40	- 1.06	1.88	1.13	- 2.63
EO# (10 <sup>9</sup> /L)	0.24	0.15	- 0.33	0.65	0.41	- 0.89	1.85	1.18	- 2.52
BASO# (10 <sup>9</sup> /L)	1.75	1.44	- 2.07	4.23	3.72	- 4.74	12.62	11.36	- 13.88
PLT-O (10 <sup>9</sup> /L)	55	36	- 74	221	179	- 263	560	470	- 649
RET# (10 <sup>12</sup> /L)	0.0913	0.0648	- 0.1178	0.0743	0.0490	- 0.0996	0.0418	0.0251	- 0.0585
RET%	3.90	2.89	- 4.91	1.68	1.19	- 2.17	0.78	0.46	- 1.10
IRF (%)	56.9	14.8	- 99.0	49.5	9.4	- 89.6	31.9	3.8	- 60.0
IG #	0.34	0.26	- 0.42	0.86	0.69	- 1.03	2.53	1.47	- 3.60
IG %	11.6	9.3	- 13.9	12.4	10.2	- 14.6	13.6	7.9	- 19.3
RET-He (pg)	23.9	21.5	- 26.3	24.1	21.7	- 26.5	24.1	20.7	- 27.5

\*Not all parameters are available on all analyzer models