



**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: <b>92200810</b>		<b>92200811</b>				<b>92200812</b>			
Control: <b>L1:Level 1</b>		<b>L2:Level 2</b>				<b>L3:Level 3</b>			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.30	2.21	- 2.39	4.35	4.18	- 4.52	5.32	5.11	- 5.53
HGB (g/dL)	5.6	5.4	- 5.8	11.9	11.6	- 12.3	16.1	15.6	- 16.5
HCT (%)	17.6	16.5	- 18.7	35.6	33.8	- 37.4	47.2	44.8	- 49.6
MCV (fL)	76.5	71.9	- 81.1	81.8	77.7	- 85.9	88.7	84.3	- 93.1
MCH (pg)	24.3	22.6	- 26.0	27.4	25.8	- 29.0	30.2	28.7	- 31.7
MCHC (g/dL)	31.8	28.9	- 34.7	33.5	31.2	- 35.8	34.0	31.6	- 36.4
PLT (10 <sup>9</sup> /L)	57	42	- 72	222	198	- 246	520	478	- 562
RDW-SD (fL)	53.4	48.1	- 58.7	44.8	40.3	- 49.3	45.7	40.2	- 51.2
RDW-CV (%)	19.5	17.6	- 21.5	15.5	14.3	- 16.7	15.0	13.8	- 16.2
MPV (fL)	9.2	8.0	- 10.4	9.6	8.9	- 10.3	9.9	9.4	- 10.4
WBC (10 <sup>9</sup> /L)	2.95	2.54	- 3.36	7.08	6.37	- 7.79	17.94	16.33	- 19.55
WBC-D (10 <sup>9</sup> /L)	2.82	2.45	- 3.19	6.31	5.62	- 7.00	17.16	15.44	- 18.88
NEUT%	43.2	37.2	- 49.2	46.3	41.7	- 50.9	49.9	45.4	- 54.4
LYMPH%	36.2	27.9	- 44.5	32.3	26.8	- 37.8	28.3	24.6	- 32.0
MONO%	11.2	4.0	- 18.4	11.1	6.2	- 16.0	11.3	6.9	- 15.7
EO%	9.5	6.0	- 13.0	10.3	6.6	- 14.0	10.5	6.8	- 14.2
BASO%	60.6	54.5	- 66.7	64.3	60.4	- 68.2	72.7	69.8	- 75.6
NEUT# (10 <sup>9</sup> /L)	1.27	1.02	- 1.52	3.28	2.79	- 3.77	8.95	7.79	- 10.11
LYMPH# (10 <sup>9</sup> /L)	1.07	0.78	- 1.36	2.29	1.83	- 2.75	5.07	4.26	- 5.88
MONO# (10 <sup>9</sup> /L)	0.33	0.11	- 0.55	0.79	0.43	- 1.15	2.02	1.21	- 2.83
EO# (10 <sup>9</sup> /L)	0.28	0.17	- 0.39	0.73	0.46	- 1.00	1.89	1.21	- 2.57
BASO# (10 <sup>9</sup> /L)	1.79	1.47	- 2.11	4.55	4.00	- 5.10	13.04	11.74	- 14.34
PLT-O (10 <sup>9</sup> /L)	54	35	- 73	215	174	- 256	560	470	- 650
RET# (10 <sup>12</sup> /L)	0.1053	0.0748	- 0.1358	0.0765	0.0505	- 0.1025	0.0424	0.0254	- 0.0594
RET%	4.54	3.36	- 5.72	1.74	1.24	- 2.24	0.79	0.47	- 1.11
IRF (%)	60.8	15.8	- 105.8	51.0	9.7	- 92.3	32.5	3.9	- 61.1
IG #	0.33	0.25	- 0.41	0.88	0.70	- 1.06	2.57	1.49	- 3.65
IG %	11.6	9.3	- 13.9	12.6	10.3	- 14.9	13.7	7.9	- 19.5
RET-He (pg)	24.4	22.0	- 26.8	24.5	22.1	- 27.0	24.3	20.9	- 27.7

\*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: <b>92200810</b>		<b>92200811</b>				<b>92200812</b>			
Control: <b>L1:Level 1</b>		<b>L2:Level 2</b>				<b>L3:Level 3</b>			
PARAMETERS	MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.30	2.21	- 2.39	4.35	4.18	- 4.52	5.27	5.06	- 5.48
HGB (g/dL)	5.6	5.4	- 5.8	12.1	11.8	- 12.5	16.1	15.6	- 16.5
HCT (%)	17.6	16.5	- 18.7	35.6	33.8	- 37.4	47.2	44.8	- 49.6
MCV (fL)	76.5	71.9	- 81.1	81.8	77.7	- 85.9	89.6	85.1	- 94.1
MCH (pg)	24.3	22.6	- 26.0	27.9	26.2	- 29.6	30.5	29.0	- 32.0
MCHC (g/dL)	31.8	28.9	- 34.7	34.1	31.7	- 36.5	34.0	31.6	- 36.4
PLT (10 <sup>9</sup> /L)	57	42	- 72	213	190	- 237	478	440	- 517
RDW-SD (fL)	53.4	48.1	- 58.7	44.8	40.3	- 49.3	45.7	40.2	- 51.2
RDW-CV (%)	19.5	17.6	- 21.5	15.5	14.3	- 16.7	15.0	13.8	- 16.2
MPV (fL)	9.2	8.0	- 10.4	9.6	8.9	- 10.3	9.9	9.4	- 10.4
WBC (10 <sup>9</sup> /L)	2.95	2.54	- 3.36	6.87	6.18	- 7.56	17.40	15.83	- 18.97
WBC-D (10 <sup>9</sup> /L)	2.85	2.48	- 3.22	6.50	5.79	- 7.22	17.33	15.60	- 19.06
NEUT%	43.3	37.2	- 49.4	46.3	41.7	- 50.9	49.1	44.7	- 53.5
LYMPH%	36.3	28.0	- 44.6	32.6	27.1	- 38.1	29.1	25.3	- 32.9
MONO%	11.2	4.0	- 18.4	10.6	5.9	- 15.3	10.9	6.6	- 15.2
EO%	9.2	5.8	- 12.6	10.5	6.7	- 14.3	10.9	7.1	- 14.7
BASO%	60.7	54.6	- 66.8	63.6	59.8	- 67.4	73.4	70.5	- 76.3
NEUT# (10 <sup>9</sup> /L)	1.28	1.02	- 1.54	3.18	2.70	- 3.66	8.54	7.43	- 9.65
LYMPH# (10 <sup>9</sup> /L)	1.07	0.78	- 1.36	2.24	1.79	- 2.69	5.07	4.26	- 5.88
MONO# (10 <sup>9</sup> /L)	0.33	0.11	- 0.55	0.73	0.40	- 1.06	1.90	1.14	- 2.66
EO# (10 <sup>9</sup> /L)	0.27	0.16	- 0.38	0.72	0.45	- 0.99	1.89	1.21	- 2.57
BASO# (10 <sup>9</sup> /L)	1.79	1.47	- 2.11	4.37	3.85	- 4.89	12.78	11.50	- 14.06
PLT-O (10 <sup>9</sup> /L)	54	35	- 73	215	174	- 256	543	456	- 630
RET# (10 <sup>12</sup> /L)	0.1000	0.0710	- 0.1290	0.0765	0.0505	- 0.1025	0.0424	0.0254	- 0.0594
RET%	4.31	3.19	- 5.43	1.74	1.24	- 2.24	0.79	0.47	- 1.11
IRF (%)	60.8	15.8	- 105.8	51.0	9.7	- 92.3	32.5	3.9	- 61.1
IG #	0.33	0.25	- 0.41	0.88	0.70	- 1.06	2.54	1.48	- 3.61
IG %	11.6	9.3	- 13.9	12.6	10.3	- 14.9	13.7	7.9	- 19.5
RET-He (pg)	24.4	22.0	- 26.8	24.5	22.1	- 27.0	24.3	20.9	- 27.7

\*Not all parameters are available on all analyzer models