



# e-CHECK™ (XE)

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

## OPEN MODE ASSAY

Expiration Date:		2020-04-13		Quality Control Data Due Date #1: 02-Mar-20		Quality Control Data Due Date #2: 13-Apr-20	
Lot Number:		00230810		00230811		00230812	
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	4.42	4.24 - 4.60	5.39	5.17 - 5.61	
HGB (g/dL)	5.6	5.4 - 5.8	11.9	11.5 - 12.3	16.2	15.7 - 16.7	
HCT (%)	17.5	16.5 - 18.6	35.6	33.8 - 37.4	47.5	45.1 - 49.9	
MCV (fL)	75.4	70.9 - 79.9	80.5	76.5 - 84.5	88.1	83.7 - 92.5	
MCH (pg)	24.1	22.4 - 25.8	26.9	25.3 - 28.5	30.1	28.6 - 31.6	
MCHC (g/dL)	32.0	29.1 - 34.9	33.4	31.1 - 35.7	34.1	31.7 - 36.5	
PLT (10 <sup>9</sup> /L)	61	45 - 77	230	205 - 255	540	497 - 583	
RDW-SD (fL)	47.2	42.5 - 51.9	46.6	41.9 - 51.3	45.7	40.2 - 51.2	
RDW-CV (%)	17.5	15.8 - 19.3	16.4	15.1 - 17.7	15.1	13.9 - 16.3	
MPV (fL)	9.4	8.2 - 10.6	9.8	9.1 - 10.5	10.0	9.5 - 10.5	
WBC (10 <sup>9</sup> /L)	2.90	2.49 - 3.31	7.24	6.52 - 7.96	18.01	16.39 - 19.63	
WBC-D (10 <sup>9</sup> /L)	2.82	2.45 - 3.19	6.53	5.81 - 7.25	17.18	15.46 - 18.90	
NEUT%	42.0	36.1 - 47.9	45.9	41.3 - 50.5	49.2	44.8 - 53.6	
LYMPH%	37.3	28.7 - 45.9	32.6	27.1 - 38.1	28.5	24.8 - 32.2	
MONO%	11.9	4.3 - 19.5	11.9	6.7 - 17.1	11.3	6.9 - 15.7	
EO%	8.8	5.5 - 12.1	9.6	6.1 - 13.1	11.1	7.2 - 15.0	
BASO%	60.4	54.4 - 66.4	64.9	61.0 - 68.8	71.4	68.5 - 74.3	
NEUT# (10 <sup>9</sup> /L)	1.22	0.98 - 1.46	3.33	2.83 - 3.83	8.86	7.71 - 10.01	
LYMPH# (10 <sup>9</sup> /L)	1.08	0.79 - 1.37	2.36	1.89 - 2.83	5.14	4.32 - 5.96	
MONO# (10 <sup>9</sup> /L)	0.34	0.12 - 0.56	0.86	0.47 - 1.25	2.03	1.22 - 2.84	
EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.36	0.70	0.44 - 0.96	1.99	1.27 - 2.71	
BASO# (10 <sup>9</sup> /L)	1.75	1.44 - 2.07	4.70	4.14 - 5.26	12.87	11.58 - 14.16	
PLT-O (10 <sup>9</sup> /L)	58	38 - 78	224	181 - 267	571	480 - 662	
RET# (10 <sup>12</sup> /L)	0.1151	0.0817 - 0.1485	0.0787	0.0519 - 0.1055	0.0388	0.0233 - 0.0543	
RET%	4.96	3.67 - 6.25	1.78	1.26 - 2.30	0.72	0.42 - 1.02	
IRF (%)	46.0	12.0 - 80.0	37.5	7.1 - 67.9	24.5	2.9 - 46.1	
IG (#)	0.32	0.25 - 0.39	0.88	0.70 - 1.06	2.48	1.44 - 3.52	
IG (%)	11.3	9.0 - 13.6	12.3	10.1 - 14.5	13.1	7.6 - 18.6	
RET-He (pg)	23.8	21.4 - 26.2	23.8	21.4 - 26.2	23.7	20.4 - 27.0	

\*Not all parameters are available on all analyzer models

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# e-CHECK™ (XE)

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

## CLOSED MODE ASSAY

Expiration Date:		2020-04-13		Quality Control Data Due Date #1: 02-Mar-20		Quality Control Data Due Date #2: 13-Apr-20	
Lot Number:		00230810		00230811		00230812	
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	4.42	4.24 - 4.60	5.34	5.13 - 5.55	
HGB (g/dL)	5.6	5.4 - 5.8	12.1	11.8 - 12.5	16.2	15.7 - 16.7	
HCT (%)	17.5	16.5 - 18.6	35.6	33.8 - 37.4	47.5	45.1 - 49.9	
MCV (fL)	75.4	70.9 - 79.9	80.5	76.5 - 84.5	89.0	84.6 - 93.5	
MCH (pg)	24.1	22.4 - 25.8	27.5	25.9 - 29.2	30.3	28.8 - 31.8	
MCHC (g/dL)	32.0	29.1 - 34.9	34.1	31.7 - 36.5	34.1	31.7 - 36.5	
PLT (10 <sup>9</sup> /L)	61	45 - 77	221	197 - 245	497	457 - 537	
RDW-SD (fL)	47.2	42.5 - 51.9	46.6	41.9 - 51.3	45.7	40.2 - 51.2	
RDW-CV (%)	17.5	15.8 - 19.3	16.4	15.1 - 17.7	15.1	13.9 - 16.3	
MPV (fL)	9.4	8.2 - 10.6	9.8	9.1 - 10.5	10.0	9.5 - 10.5	
WBC (10 <sup>9</sup> /L)	2.90	2.49 - 3.31	7.02	6.32 - 7.72	17.47	15.90 - 19.04	
WBC-D (10 <sup>9</sup> /L)	2.85	2.48 - 3.22	6.73	5.99 - 7.47	17.35	15.62 - 19.09	
NEUT%	42.5	36.6 - 48.5	45.9	41.3 - 50.5	48.3	44.0 - 52.6	
LYMPH%	37.2	28.6 - 45.8	32.9	27.3 - 38.5	29.4	25.6 - 33.2	
MONO%	11.7	4.2 - 19.2	11.4	6.4 - 16.4	10.9	6.6 - 15.2	
EO%	8.6	5.4 - 11.8	9.8	6.3 - 13.3	11.4	7.4 - 15.4	
BASO%	60.3	54.3 - 66.3	64.2	60.3 - 68.1	72.2	69.3 - 75.1	
NEUT# (10 <sup>9</sup> /L)	1.23	0.98 - 1.48	3.22	2.74 - 3.70	8.43	7.33 - 9.53	
LYMPH# (10 <sup>9</sup> /L)	1.08	0.79 - 1.37	2.31	1.85 - 2.77	5.14	4.32 - 5.96	
MONO# (10 <sup>9</sup> /L)	0.34	0.12 - 0.56	0.80	0.44 - 1.16	1.91	1.15 - 2.67	
EO# (10 <sup>9</sup> /L)	0.25	0.15 - 0.35	0.69	0.43 - 0.95	1.99	1.27 - 2.71	
BASO# (10 <sup>9</sup> /L)	1.75	1.44 - 2.07	4.51	3.97 - 5.05	12.61	11.35 - 13.87	
PLT-O (10 <sup>9</sup> /L)	58	38 - 78	224	181 - 267	554	465 - 642	
RET# (10 <sup>12</sup> /L)	0.1093	0.0776 - 0.1410	0.0787	0.0519 - 0.1055	0.0388	0.0233 - 0.0543	
RET%	4.71	3.49 - 5.93	1.78	1.26 - 2.30	0.72	0.42 - 1.02	
IRF (%)	46.0	12.0 - 80.0	37.5	7.1 - 67.9	24.5	2.9 - 46.1	
IG (#)	0.32	0.25 - 0.39	0.88	0.70 - 1.06	2.46	1.42 - 3.49	
IG (%)	11.3	9.0 - 13.6	12.3	10.1 - 14.5	13.1	7.6 - 18.6	
RET-He (pg)	23.8	21.4 - 26.2	23.8	21.4 - 26.2	23.7	20.4 - 27.0	

\*Not all parameters are available on all analyzer models

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