



# e-CHECK™ (XE)

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

Expiration Date:		2024-11-18		Quality Control Data Due Date #1: 07-Oct-24		Quality Control Data Due Date #2: 18-Nov-24	
Lot Number:		42410810		42410811		42410812	
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)	2.39	2.29 - 2.48	4.32	4.15 - 4.49	5.18	4.97 - 5.39	
HGB (g/dL)	5.5	5.3 - 5.7	12.1	11.7 - 12.4	15.5	15.0 - 15.9	
HCT (%)	17.3	16.3 - 18.4	35.8	34.0 - 37.6	45.4	43.1 - 47.6	
MCV (fL)	72.5	68.2 - 76.9	83.0	78.8 - 87.1	87.5	83.2 - 91.9	
MCH (pg)	23.0	21.4 - 24.6	27.9	26.2 - 29.6	29.9	28.4 - 31.4	
MCHC (g/dL)	31.7	28.9 - 34.6	33.7	31.3 - 36.0	34.1	31.7 - 36.5	
PLT (10 <sup>9</sup> /L)	55	41 - 69	205	183 - 228	494	454 - 533	
RDW-SD (fL)	45.0	40.5 - 49.5	44.9	40.4 - 49.4	45.8	40.3 - 51.3	
RDW-CV (%)	17.4	15.6 - 19.1	15.3	14.1 - 16.5	15.1	13.9 - 16.3	
MPV (fL)	9.9	8.6 - 11.1	10.4	9.7 - 11.1	10.7	10.1 - 11.2	
WBC (10 <sup>9</sup> /L)	3.01	2.59 - 3.43	7.09	6.38 - 7.80	18.90	17.20 - 20.60	
WBC-D (10 <sup>9</sup> /L)	2.92	2.54 - 3.30	6.40	5.70 - 7.11	17.56	15.80 - 19.31	
NEUT%	45.0	38.7 - 51.3	48.1	43.3 - 52.9	52.0	47.3 - 56.7	
LYMPH%	34.3	26.4 - 42.2	30.1	25.0 - 35.2	25.2	21.9 - 28.5	
MONO%	11.0	4.0 - 18.1	11.6	6.5 - 16.7	11.8	7.2 - 16.3	
EO%	9.6	6.1 - 13.2	10.2	6.5 - 13.9	11.1	7.2 - 14.9	
BASO%	62.1	55.9 - 68.3	67.1	63.1 - 71.2	74.5	71.5 - 77.5	
NEUT# (10 <sup>9</sup> /L)	1.36	1.08 - 1.63	3.41	2.90 - 3.92	9.83	8.55 - 11.11	
LYMPH# (10 <sup>9</sup> /L)	1.03	0.75 - 1.31	2.14	1.71 - 2.56	4.76	4.00 - 5.52	
MONO# (10 <sup>9</sup> /L)	0.33	0.11 - 0.55	0.82	0.45 - 1.19	2.22	1.33 - 3.11	
EO# (10 <sup>9</sup> /L)	0.29	0.18 - 0.40	0.72	0.46 - 0.99	2.09	1.34 - 2.84	
BASO# (10 <sup>9</sup> /L)	1.87	1.53 - 2.21	4.76	4.19 - 5.33	14.08	12.67 - 15.48	
PLT-O (10 <sup>9</sup> /L)	49	32 - 66	187	151 - 222	484	406 - 561	
RET# (10 <sup>12</sup> /L)	0.1293	0.0918 - 0.1667	0.0872	0.0576 - 0.1169	0.0462	0.0277 - 0.0647	
RET%	5.41	4.00 - 6.82	2.02	1.43 - 2.61	0.89	0.53 - 1.26	
IRF (%)	41.7	10.8 - 72.5	34.0	6.5 - 61.6	25.7	3.1 - 48.4	
IG (#)	0.36	0.28 - 0.45	0.92	0.74 - 1.11	2.60	1.51 - 3.70	
IG (%)	12.1	9.6 - 14.5	13.0	10.7 - 15.4	13.8	8.0 - 19.6	
RET-He (pg)	23.6	21.2 - 26.0	24.2	21.7 - 26.6	24.1	20.7 - 27.4	

\*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:		2024-11-18		Quality Control Data Due Date #1: 07-Oct-24		Quality Control Data Due Date #2: 18-Nov-24	
Lot Number:		42410810		42410811		42410812	
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)	2.39	2.29 - 2.48	4.32	4.15 - 4.49	5.13	4.92 - 5.33	
HGB (g/dL)	5.5	5.3 - 5.7	12.3	11.9 - 12.7	15.5	15.0 - 15.9	
HCT (%)	17.3	16.3 - 18.4	35.8	34.0 - 37.6	45.4	43.1 - 47.6	
MCV (fL)	72.5	68.2 - 76.9	83.0	78.8 - 87.1	88.4	84.0 - 92.8	
MCH (pg)	23.0	21.4 - 24.6	28.5	26.8 - 30.2	30.2	28.7 - 31.7	
MCHC (g/dL)	31.7	28.9 - 34.6	34.3	31.9 - 36.7	34.1	31.7 - 36.5	
PLT (10 <sup>9</sup> /L)	55	41 - 69	197	175 - 219	454	418 - 491	
RDW-SD (fL)	45.0	40.5 - 49.5	44.9	40.4 - 49.4	45.8	40.3 - 51.3	
RDW-CV (%)	17.4	15.6 - 19.1	15.3	14.1 - 16.5	15.1	13.9 - 16.3	
MPV (fL)	9.9	8.6 - 11.1	10.4	9.7 - 11.1	10.7	10.1 - 11.2	
WBC (10 <sup>9</sup> /L)	3.01	2.59 - 3.43	6.88	6.19 - 7.57	18.33	16.68 - 19.98	
WBC-D (10 <sup>9</sup> /L)	2.95	2.57 - 3.33	6.59	5.87 - 7.32	17.73	15.96 - 19.50	
NEUT%	45.3	39.0 - 51.6	48.3	43.4 - 53.1	51.7	47.0 - 56.3	
LYMPH%	34.3	26.4 - 42.2	30.4	25.3 - 35.6	25.8	22.5 - 29.2	
MONO%	11.0	4.0 - 18.1	11.1	6.2 - 16.0	11.3	6.9 - 15.7	
EO%	9.4	5.9 - 12.8	10.2	6.5 - 13.9	11.2	7.3 - 15.1	
BASO%	62.1	55.9 - 68.3	66.5	62.5 - 70.5	75.2	72.2 - 78.2	
NEUT# (10 <sup>9</sup> /L)	1.36	1.09 - 1.64	3.32	2.82 - 3.82	9.47	8.24 - 10.71	
LYMPH# (10 <sup>9</sup> /L)	1.03	0.75 - 1.31	2.09	1.67 - 2.51	4.73	3.97 - 5.49	
MONO# (10 <sup>9</sup> /L)	0.33	0.11 - 0.55	0.76	0.42 - 1.11	2.07	1.24 - 2.89	
EO# (10 <sup>9</sup> /L)	0.28	0.17 - 0.39	0.70	0.44 - 0.96	2.06	1.32 - 2.80	
BASO# (10 <sup>9</sup> /L)	1.87	1.53 - 2.21	4.57	4.02 - 5.12	13.79	12.41 - 15.17	
PLT-O (10 <sup>9</sup> /L)	49	32 - 66	187	151 - 222	469	394 - 544	
RET# (10 <sup>12</sup> /L)	0.1228	0.0872 - 0.1584	0.0872	0.0576 - 0.1169	0.0458	0.0275 - 0.0641	
RET%	5.14	3.80 - 6.48	2.02	1.43 - 2.61	0.89	0.53 - 1.26	
IRF (%)	41.7	10.8 - 72.5	34.0	6.5 - 61.6	25.7	3.1 - 48.4	
IG (#)	0.36	0.28 - 0.45	0.90	0.72 - 1.07	2.52	1.46 - 3.59	
IG (%)	12.1	9.6 - 14.5	13.0	10.7 - 15.4	13.8	8.0 - 19.6	
RET-He (pg)	23.6	21.2 - 26.0	24.2	21.7 - 26.6	24.1	20.7 - 27.4	

\*Not all parameters are available on all analyzer models

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