



# e-CHECK™ (XE)

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

Expiration Date:		2024-07-29		Quality Control Data Due Date #1: 17-Jun-24		Quality Control Data Due Date #2: 29-Jul-24	
Lot Number:		41290810		41290811		41290812	
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)	2.28	2.19 - 2.37	4.31	4.14 - 4.49	5.21	5.00 - 5.42	
HGB (g/dL)	5.3	5.1 - 5.5	11.2	10.9 - 11.5	15.8	15.3 - 16.3	
HCT (%)	16.8	15.8 - 17.8	34.1	32.4 - 35.8	46.7	44.4 - 49.0	
MCV (fL)	73.6	69.2 - 78.1	79.0	75.1 - 83.0	89.6	85.2 - 94.1	
MCH (pg)	23.3	21.6 - 24.9	26.0	24.4 - 27.6	30.3	28.8 - 31.8	
MCHC (g/dL)	31.6	28.7 - 34.4	32.9	30.6 - 35.2	33.8	31.4 - 36.2	
PLT (10 <sup>9</sup> /L)	56	41 - 70	214	191 - 238	516	475 - 557	
RDW-SD (fL)	47.4	42.6 - 52.1	45.4	40.8 - 49.9	51.7	45.5 - 57.9	
RDW-CV (%)	18.0	16.2 - 19.8	16.6	15.2 - 17.9	16.7	15.4 - 18.1	
MPV (fL)	9.8	8.5 - 11.0	10.2	9.5 - 10.9	10.4	9.9 - 11.0	
WBC (10 <sup>9</sup> /L)	3.00	2.58 - 3.42	7.13	6.42 - 7.85	19.23	17.50 - 20.96	
WBC-D (10 <sup>9</sup> /L)	2.88	2.50 - 3.25	6.46	5.75 - 7.17	17.93	16.14 - 19.73	
NEUT%	43.6	37.5 - 49.7	47.8	43.0 - 52.5	53.0	48.2 - 57.8	
LYMPH%	36.2	27.9 - 44.5	31.1	25.9 - 36.4	25.4	22.1 - 28.7	
MONO%	11.2	4.0 - 18.4	10.6	5.9 - 15.3	10.7	6.5 - 14.9	
EO%	9.0	5.7 - 12.4	10.5	6.7 - 14.3	10.8	7.0 - 14.6	
BASO%	61.9	55.7 - 68.1	66.1	62.1 - 70.0	74.6	71.6 - 77.6	
NEUT# (10 <sup>9</sup> /L)	1.31	1.05 - 1.57	3.41	2.90 - 3.92	10.20	8.87 - 11.52	
LYMPH# (10 <sup>9</sup> /L)	1.09	0.79 - 1.38	2.22	1.78 - 2.67	4.89	4.11 - 5.67	
MONO# (10 <sup>9</sup> /L)	0.34	0.11 - 0.56	0.76	0.42 - 1.10	2.06	1.24 - 2.89	
EO# (10 <sup>9</sup> /L)	0.27	0.17 - 0.38	0.75	0.47 - 1.03	2.08	1.33 - 2.83	
BASO# (10 <sup>9</sup> /L)	1.86	1.52 - 2.19	4.71	4.15 - 5.28	14.34	12.91 - 15.78	
PLT-O (10 <sup>9</sup> /L)	50	32 - 67	195	158 - 233	513	431 - 595	
RET# (10 <sup>12</sup> /L)	0.1184	0.0841 - 0.1528	0.0801	0.0528 - 0.1073	0.0384	0.0230 - 0.0537	
RET%	5.19	3.84 - 6.54	1.86	1.32 - 2.39	0.74	0.43 - 1.04	
IRF (%)	54.6	14.2 - 95.0	46.3	8.8 - 83.8	31.6	3.8 - 59.4	
IG (#)	0.35	0.27 - 0.43	0.92	0.74 - 1.11	2.73	1.58 - 3.87	
IG (%)	11.8	9.4 - 14.1	13.0	10.6 - 15.3	14.2	8.2 - 20.1	
RET-He (pg)	23.5	21.1 - 25.8	23.9	21.5 - 26.3	24.3	20.9 - 27.7	

\*Not all parameters are available on all analyzer models

OPEN



# e-CHECK™ (XE)

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

Expiration Date:		2024-07-29		Quality Control Data Due Date #1: 17-Jun-24		Quality Control Data Due Date #2: 29-Jul-24	
Lot Number:		41290810		41290811		41290812	
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)	2.28	2.19 - 2.37	4.31	4.14 - 4.49	5.16	4.95 - 5.37	
HGB (g/dL)	5.3	5.1 - 5.5	11.4	11.1 - 11.8	15.8	15.3 - 16.3	
HCT (%)	16.8	15.8 - 17.8	34.1	32.4 - 35.8	46.7	44.4 - 49.0	
MCV (fL)	73.6	69.2 - 78.1	79.0	75.1 - 83.0	90.5	86.0 - 95.1	
MCH (pg)	23.3	21.6 - 24.9	26.5	24.9 - 28.1	30.6	29.1 - 32.1	
MCHC (g/dL)	31.6	28.7 - 34.4	33.5	31.2 - 35.9	33.8	31.4 - 36.2	
PLT (10 <sup>9</sup> /L)	56	41 - 70	205	183 - 228	475	437 - 513	
RDW-SD (fL)	47.4	42.6 - 52.1	45.4	40.8 - 49.9	51.7	45.5 - 57.9	
RDW-CV (%)	18.0	16.2 - 19.8	16.6	15.2 - 17.9	16.7	15.4 - 18.1	
MPV (fL)	9.8	8.5 - 11.0	10.2	9.5 - 10.9	10.4	9.9 - 11.0	
WBC (10 <sup>9</sup> /L)	3.00	2.58 - 3.42	6.92	6.23 - 7.61	18.66	16.98 - 20.34	
WBC-D (10 <sup>9</sup> /L)	2.91	2.53 - 3.28	6.65	5.92 - 7.38	18.11	16.30 - 19.92	
NEUT%	43.9	37.7 - 50.0	47.9	43.1 - 52.7	52.7	47.9 - 57.4	
LYMPH%	36.2	27.9 - 44.5	31.5	26.1 - 36.8	26.1	22.7 - 29.5	
MONO%	11.2	4.0 - 18.4	10.2	5.7 - 14.6	10.3	6.3 - 14.3	
EO%	8.7	5.5 - 12.0	10.5	6.7 - 14.3	11.0	7.1 - 14.8	
BASO%	61.9	55.7 - 68.1	65.4	61.5 - 69.3	75.3	72.3 - 78.3	
NEUT# (10 <sup>9</sup> /L)	1.32	1.05 - 1.58	3.31	2.82 - 3.81	9.82	8.55 - 11.10	
LYMPH# (10 <sup>9</sup> /L)	1.09	0.79 - 1.38	2.18	1.74 - 2.61	4.86	4.09 - 5.64	
MONO# (10 <sup>9</sup> /L)	0.34	0.11 - 0.56	0.70	0.39 - 1.02	1.92	1.15 - 2.69	
EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.37	0.73	0.46 - 0.99	2.05	1.31 - 2.79	
BASO# (10 <sup>9</sup> /L)	1.86	1.52 - 2.19	4.53	3.98 - 5.07	14.05	12.65 - 15.46	
PLT-O (10 <sup>9</sup> /L)	50	32 - 67	195	158 - 233	497	418 - 577	
RET# (10 <sup>12</sup> /L)	0.1125	0.0799 - 0.1451	0.0801	0.0528 - 0.1073	0.0380	0.0228 - 0.0532	
RET%	4.93	3.65 - 6.21	1.86	1.32 - 2.39	0.74	0.43 - 1.04	
IRF (%)	54.6	14.2 - 95.0	46.3	8.8 - 83.8	31.6	3.8 - 59.4	
IG (#)	0.35	0.27 - 0.43	0.90	0.72 - 1.08	2.64	1.53 - 3.75	
IG (%)	11.8	9.4 - 14.1	13.0	10.6 - 15.3	14.2	8.2 - 20.1	
RET-He (pg)	23.5	21.1 - 25.8	23.9	21.5 - 26.3	24.3	20.9 - 27.7	

\*Not all parameters are available on all analyzer models

CLOSED