



# e-CHECK™ (XE)

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

## OPEN MODE ASSAY

Expiration Date:		2021-10-25		Quality Control Data Due Date #1: 13-Sep-21		Quality Control Data Due Date #2: 25-Oct-21	
Lot Number:		12160810		12160811		12160812	
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)	2.30	2.21 - 2.39	4.37	4.19 - 4.54	5.31	5.09 - 5.52	
HGB (g/dL)	5.4	5.2 - 5.6	12.2	11.8 - 12.5	16.2	15.7 - 16.6	
HCT (%)	17.1	16.1 - 18.1	36.2	34.4 - 38.0	47.5	45.1 - 49.8	
MCV (fL)	74.3	69.9 - 78.8	82.9	78.7 - 87.0	89.4	85.0 - 93.9	
MCH (pg)	23.6	21.9 - 25.2	27.8	26.1 - 29.5	30.5	28.9 - 32.0	
MCHC (g/dL)	31.7	28.9 - 34.6	33.6	31.2 - 35.9	34.1	31.7 - 36.4	
PLT (10 <sup>9</sup> /L)	62	46 - 78	231	206 - 257	540	496 - 583	
RDW-SD (fL)	46.5	41.9 - 51.2	45.3	40.8 - 49.9	43.4	38.2 - 48.6	
RDW-CV (%)	17.5	15.7 - 19.2	15.4	14.2 - 16.7	14.2	13.0 - 15.3	
MPV (fL)	9.4	8.2 - 10.6	9.8	9.1 - 10.4	10.0	9.5 - 10.5	
WBC (10 <sup>9</sup> /L)	2.85	2.45 - 3.25	6.78	6.10 - 7.46	17.42	15.85 - 18.99	
WBC-D (10 <sup>9</sup> /L)	2.70	2.35 - 3.05	6.16	5.48 - 6.84	16.85	15.17 - 18.54	
NEUT%	44.1	37.9 - 50.2	47.5	42.8 - 52.3	53.1	48.3 - 57.9	
LYMPH%	35.9	27.6 - 44.2	31.9	26.5 - 37.3	24.4	21.2 - 27.6	
MONO%	10.8	3.9 - 17.8	10.7	6.0 - 15.5	11.5	7.0 - 16.0	
EO%	9.2	5.8 - 12.6	9.8	6.3 - 13.3	11.0	7.1 - 14.8	
BASO%	60.3	54.2 - 66.3	65.4	61.5 - 69.3	74.9	71.9 - 77.9	
NEUT# (10 <sup>9</sup> /L)	1.25	1.00 - 1.51	3.22	2.74 - 3.71	9.25	8.05 - 10.46	
LYMPH# (10 <sup>9</sup> /L)	1.02	0.75 - 1.30	2.16	1.73 - 2.60	4.25	3.57 - 4.93	
MONO# (10 <sup>9</sup> /L)	0.31	0.10 - 0.51	0.73	0.40 - 1.06	2.00	1.20 - 2.80	
EO# (10 <sup>9</sup> /L)	0.26	0.16 - 0.36	0.66	0.42 - 0.91	1.91	1.22 - 2.60	
BASO# (10 <sup>9</sup> /L)	1.72	1.41 - 2.02	4.43	3.90 - 4.97	13.04	11.74 - 14.35	
PLT-O (10 <sup>9</sup> /L)	55	36 - 74	217	176 - 258	559	470 - 649	
RET# (10 <sup>12</sup> /L)	0.1151	0.0817 - 0.1485	0.0804	0.0531 - 0.1078	0.0382	0.0229 - 0.0535	
RET%	5.00	3.70 - 6.30	1.84	1.31 - 2.37	0.72	0.42 - 1.01	
IRF (%)	48.5	12.6 - 84.3	44.2	8.4 - 80.0	29.2	3.5 - 54.9	
IG (#)	0.34	0.26 - 0.41	0.88	0.70 - 1.05	2.49	1.44 - 3.53	
IG (%)	11.8	9.4 - 14.2	13.0	10.6 - 15.3	14.3	8.3 - 20.3	
RET-He (pg)	23.6	21.2 - 25.9	23.9	21.5 - 26.3	23.9	20.6 - 27.3	

\*Not all parameters are available on all analyzer models

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

## CLOSED MODE ASSAY

Expiration Date:		2021-10-25		Quality Control Data Due Date #1: 13-Sep-21		Quality Control Data Due Date #2: 25-Oct-21	
Lot Number:		12160810		12160811		12160812	
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)	2.30	2.21 - 2.39	4.37	4.19 - 4.54	5.25	5.04 - 5.46	
HGB (g/dL)	5.4	5.2 - 5.6	12.4	12.0 - 12.8	16.2	15.7 - 16.6	
HCT (%)	17.1	16.1 - 18.1	36.2	34.4 - 38.0	47.5	45.1 - 49.8	
MCV (fL)	74.3	69.9 - 78.8	82.9	78.7 - 87.0	90.3	85.8 - 94.8	
MCH (pg)	23.6	21.9 - 25.2	28.4	26.7 - 30.1	30.8	29.2 - 32.3	
MCHC (g/dL)	31.7	28.9 - 34.6	34.2	31.8 - 36.6	34.1	31.7 - 36.4	
PLT (10 <sup>9</sup> /L)	62	46 - 78	222	198 - 246	496	457 - 536	
RDW-SD (fL)	46.5	41.9 - 51.2	45.3	40.8 - 49.9	43.4	38.2 - 48.6	
RDW-CV (%)	17.5	15.7 - 19.2	15.4	14.2 - 16.7	14.2	13.0 - 15.3	
MPV (fL)	9.4	8.2 - 10.6	9.8	9.1 - 10.4	10.0	9.5 - 10.5	
WBC (10 <sup>9</sup> /L)	2.85	2.45 - 3.25	6.58	5.92 - 7.23	16.90	15.38 - 18.42	
WBC-D (10 <sup>9</sup> /L)	2.72	2.37 - 3.08	6.34	5.65 - 7.04	17.02	15.32 - 18.72	
NEUT%	44.3	38.1 - 50.5	47.6	42.9 - 52.4	52.8	48.1 - 57.6	
LYMPH%	35.9	27.6 - 44.2	32.2	26.8 - 37.7	25.0	21.8 - 28.3	
MONO%	10.8	3.9 - 17.8	10.3	5.8 - 14.9	11.0	6.7 - 15.3	
EO%	8.9	5.6 - 12.2	9.8	6.3 - 13.3	11.1	7.2 - 15.0	
BASO%	60.3	54.2 - 66.3	64.7	60.8 - 68.6	75.6	72.6 - 78.6	
NEUT# (10 <sup>9</sup> /L)	1.26	1.01 - 1.51	3.13	2.66 - 3.60	8.92	7.76 - 10.08	
LYMPH# (10 <sup>9</sup> /L)	1.02	0.75 - 1.30	2.12	1.70 - 2.54	4.23	3.55 - 4.91	
MONO# (10 <sup>9</sup> /L)	0.31	0.10 - 0.51	0.68	0.37 - 0.98	1.86	1.12 - 2.61	
EO# (10 <sup>9</sup> /L)	0.25	0.15 - 0.35	0.65	0.41 - 0.88	1.88	1.20 - 2.56	
BASO# (10 <sup>9</sup> /L)	1.72	1.41 - 2.02	4.26	3.75 - 4.77	12.78	11.50 - 14.05	
PLT-O (10 <sup>9</sup> /L)	55	36 - 74	217	176 - 258	542	456 - 629	
RET# (10 <sup>12</sup> /L)	0.1094	0.0777 - 0.1411	0.0804	0.0531 - 0.1078	0.0378	0.0227 - 0.0529	
RET%	4.75	3.52 - 5.99	1.84	1.31 - 2.37	0.72	0.42 - 1.01	
IRF (%)	48.5	12.6 - 84.3	44.2	8.4 - 80.0	29.2	3.5 - 54.9	
IG (#)	0.34	0.26 - 0.41	0.85	0.68 - 1.02	2.41	1.40 - 3.43	
IG (%)	11.8	9.4 - 14.2	13.0	10.6 - 15.3	14.3	8.3 - 20.3	
RET-He (pg)	23.6	21.2 - 25.9	23.9	21.5 - 26.3	23.9	20.6 - 27.3	

\*Not all parameters are available on all analyzer models

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