



e-CHECK™ (XE)

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

OPEN MODE ASSAY

Expiration Date:		2020-06-08		Quality Control Data Due Date #1: 27-Apr-20		Quality Control Data Due Date #2: 08-Jun-20	
Lot Number:		00790810		00790811		00790812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.31	2.22 - 2.40	4.39	4.21 - 4.57	5.31	5.10 - 5.52	
HGB (g/dL)	5.6	5.4 - 5.8	12.1	11.8 - 12.5	16.3	15.8 - 16.8	
HCT (%)	17.5	16.5 - 18.6	36.3	34.5 - 38.1	48.0	45.6 - 50.4	
MCV (fL)	75.8	71.3 - 80.3	82.7	78.6 - 86.8	90.4	85.9 - 94.9	
MCH (pg)	24.2	22.5 - 25.9	27.6	25.9 - 29.3	30.7	29.2 - 32.2	
MCHC (g/dL)	31.9	29.0 - 34.8	33.4	31.1 - 35.7	34.0	31.6 - 36.4	
PLT (10 ⁹ /L)	61	45 - 77	231	206 - 256	545	501 - 589	
RDW-SD (fL)	46.6	41.9 - 51.3	44.4	40.0 - 48.8	44.5	39.2 - 49.8	
RDW-CV (%)	17.3	15.6 - 19.0	15.3	14.1 - 16.5	14.4	13.2 - 15.6	
MPV (fL)	9.4	8.2 - 10.6	9.6	8.9 - 10.3	9.8	9.3 - 10.3	
WBC (10 ⁹ /L)	2.99	2.57 - 3.41	7.08	6.37 - 7.79	17.84	16.23 - 19.45	
WBC-D (10 ⁹ /L)	2.86	2.49 - 3.23	6.30	5.61 - 6.99	16.77	15.09 - 18.45	
NEUT%	42.5	36.6 - 48.5	44.9	40.4 - 49.4	49.4	45.0 - 53.8	
LYMPH%	37.1	28.6 - 45.6	33.9	28.1 - 39.7	28.3	24.6 - 32.0	
MONO%	11.2	4.0 - 18.4	11.5	6.4 - 16.6	11.6	7.1 - 16.1	
EO%	9.2	5.8 - 12.6	9.7	6.2 - 13.2	10.7	7.0 - 14.4	
BASO%	59.1	53.2 - 65.0	63.8	60.0 - 67.6	71.6	68.7 - 74.5	
NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.18	2.70 - 3.66	8.81	7.66 - 9.96	
LYMPH# (10 ⁹ /L)	1.11	0.81 - 1.41	2.40	1.92 - 2.88	5.04	4.23 - 5.85	
MONO# (10 ⁹ /L)	0.34	0.12 - 0.56	0.82	0.45 - 1.19	2.07	1.24 - 2.90	
EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.69	0.43 - 0.95	1.92	1.23 - 2.61	
BASO# (10 ⁹ /L)	1.77	1.45 - 2.09	4.52	3.98 - 5.06	12.77	11.49 - 14.05	
PLT-O (10 ⁹ /L)	56	36 - 76	232	188 - 276	589	495 - 683	
RET# (10 ¹² /L)	0.1192	0.0846 - 0.1538	0.0817	0.0539 - 0.1095	0.0408	0.0245 - 0.0571	
RET%	5.16	3.82 - 6.50	1.86	1.32 - 2.40	0.77	0.45 - 1.09	
IRF (%)	39.9	10.4 - 69.4	35.2	6.7 - 63.7	24.2	2.9 - 45.5	
IG (#)	0.33	0.25 - 0.41	0.84	0.67 - 1.01	2.52	1.46 - 3.58	
IG (%)	11.4	9.1 - 13.7	12.0	9.8 - 14.2	13.5	7.8 - 19.2	
RET-He (pg)	24.0	21.6 - 26.4	24.0	21.6 - 26.4	24.1	20.7 - 27.5	

*Not all parameters are available on all analyzer models

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CLOSED MODE ASSAY

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Lot Number:		00790810		00790811		00790812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.31	2.22 - 2.40	4.39	4.21 - 4.57	5.26	5.05 - 5.47	
HGB (g/dL)	5.6	5.4 - 5.8	12.4	12.0 - 12.7	16.3	15.8 - 16.8	
HCT (%)	17.5	16.5 - 18.6	36.3	34.5 - 38.1	48.0	45.6 - 50.4	
MCV (fL)	75.8	71.3 - 80.3	82.7	78.6 - 86.8	91.3	86.7 - 95.9	
MCH (pg)	24.2	22.5 - 25.9	28.2	26.5 - 29.9	31.0	29.5 - 32.6	
MCHC (g/dL)	31.9	29.0 - 34.8	34.1	31.7 - 36.5	34.0	31.6 - 36.4	
PLT (10 ⁹ /L)	61	45 - 77	222	197 - 246	501	461 - 542	
RDW-SD (fL)	46.6	41.9 - 51.3	44.4	40.0 - 48.8	44.5	39.2 - 49.8	
RDW-CV (%)	17.3	15.6 - 19.0	15.3	14.1 - 16.5	14.4	13.2 - 15.6	
MPV (fL)	9.4	8.2 - 10.6	9.6	8.9 - 10.3	9.8	9.3 - 10.3	
WBC (10 ⁹ /L)	2.99	2.57 - 3.41	6.87	6.18 - 7.56	17.30	15.74 - 18.86	
WBC-D (10 ⁹ /L)	2.89	2.51 - 3.27	6.49	5.78 - 7.20	16.94	15.25 - 18.63	
NEUT%	42.5	36.6 - 48.5	44.8	40.3 - 49.3	48.5	44.1 - 52.9	
LYMPH%	37.1	28.6 - 45.6	34.2	28.4 - 40.0	29.1	25.3 - 32.9	
MONO%	11.4	4.1 - 18.7	11.1	6.2 - 16.0	11.3	6.9 - 15.7	
EO%	9.0	5.7 - 12.3	9.9	6.3 - 13.5	11.1	7.2 - 15.0	
BASO%	59.2	53.3 - 65.1	63.2	59.4 - 67.0	72.3	69.4 - 75.2	
NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.08	2.62 - 3.54	8.39	7.30 - 9.48	
LYMPH# (10 ⁹ /L)	1.11	0.81 - 1.41	2.35	1.88 - 2.82	5.04	4.23 - 5.85	
MONO# (10 ⁹ /L)	0.34	0.12 - 0.56	0.76	0.42 - 1.10	1.95	1.17 - 2.73	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.68	0.43 - 0.93	1.92	1.23 - 2.61	
BASO# (10 ⁹ /L)	1.77	1.45 - 2.09	4.34	3.82 - 4.86	12.51	11.26 - 13.76	
PLT-O (10 ⁹ /L)	56	36 - 76	232	188 - 276	571	480 - 663	
RET# (10 ¹² /L)	0.1132	0.0804 - 0.1460	0.0817	0.0539 - 0.1095	0.0408	0.0245 - 0.0571	
RET%	4.90	3.63 - 6.17	1.86	1.32 - 2.40	0.77	0.45 - 1.09	
IRF (%)	39.9	10.4 - 69.4	35.2	6.7 - 63.7	24.2	2.9 - 45.5	
IG (#)	0.33	0.25 - 0.41	0.84	0.67 - 1.01	2.49	1.45 - 3.54	
IG (%)	11.4	9.1 - 13.7	12.0	9.8 - 14.2	13.5	7.8 - 19.2	
RET-He (pg)	24.0	21.6 - 26.4	24.0	21.6 - 26.4	24.1	20.7 - 27.5	

*Not all parameters are available on all analyzer models

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