



e-CHECK™ (XE)

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

OPEN MODE ASSAY

Expiration Date:		2020-08-03		Quality Control Data Due Date #1: 22-Jun-20		Quality Control Data Due Date #2: 03-Aug-20	
Lot Number:		01340810		01340811		01340812	
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 - 2.41	4.44	4.27 - 4.62	5.36	5.14 - 5.57	
HGB (g/dL)	5.6	5.4 - 5.9	12.1	11.7 - 12.4	16.3	15.8 - 16.8	
HCT (%)	17.6	16.5 - 18.6	36.2	34.3 - 38.0	47.8	45.4 - 50.2	
MCV (fL)	76.0	71.5 - 80.6	81.4	77.3 - 85.4	89.2	84.8 - 93.7	
MCH (pg)	24.3	22.6 - 26.0	27.2	25.6 - 28.8	30.4	28.9 - 31.9	
MCHC (g/dL)	32.0	29.1 - 34.9	33.4	31.1 - 35.8	34.1	31.7 - 36.4	
PLT (10 ⁹ /L)	60	44 - 76	224	199 - 248	528	486 - 570	
RDW-SD (fL)	47.5	42.7 - 52.2	45.0	40.5 - 49.5	46.9	41.3 - 52.5	
RDW-CV (%)	17.5	15.7 - 19.2	15.7	14.4 - 17.0	15.1	13.9 - 16.4	
MPV (fL)	9.1	7.9 - 10.3	9.6	8.9 - 10.2	9.7	9.2 - 10.2	
WBC (10 ⁹ /L)	2.93	2.52 - 3.34	6.90	6.21 - 7.59	17.62	16.03 - 19.20	
WBC-D (10 ⁹ /L)	2.77	2.41 - 3.13	6.11	5.43 - 6.78	16.32	14.69 - 17.95	
NEUT%	43.2	37.2 - 49.3	46.4	41.8 - 51.0	51.0	46.4 - 55.6	
LYMPH%	35.5	27.3 - 43.6	32.9	27.3 - 38.5	26.3	22.9 - 29.8	
MONO%	11.9	4.3 - 19.6	11.0	6.2 - 15.9	11.9	7.3 - 16.5	
EO%	9.4	5.9 - 12.9	9.6	6.2 - 13.1	10.8	7.0 - 14.5	
BASO%	60.7	54.6 - 66.8	64.4	60.6 - 68.3	73.2	70.3 - 76.2	
NEUT# (10 ⁹ /L)	1.20	0.96 - 1.44	2.83	2.41 - 3.26	8.32	7.24 - 9.41	
LYMPH# (10 ⁹ /L)	0.98	0.72 - 1.25	2.01	1.61 - 2.41	4.30	3.61 - 4.98	
MONO# (10 ⁹ /L)	0.33	0.11 - 0.55	0.67	0.37 - 0.98	1.94	1.16 - 2.72	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.59	0.37 - 0.81	1.76	1.12 - 2.39	
BASO# (10 ⁹ /L)	1.78	1.46 - 2.10	4.44	3.91 - 4.98	12.90	11.61 - 14.19	
PLT-O (10 ⁹ /L)	55	36 - 74	214	174 - 255	548	460 - 636	
RET# (10 ¹² /L)	0.1226	0.0870 - 0.1581	0.0861	0.0568 - 0.1153	0.0411	0.0247 - 0.0576	
RET%	5.30	3.92 - 6.68	1.94	1.37 - 2.50	0.77	0.45 - 1.08	
IRF (%)	38.4	10.0 - 66.8	34.0	6.5 - 61.5	24.0	2.9 - 45.1	
IG (#)	0.32	0.25 - 0.39	0.77	0.62 - 0.92	2.20	1.27 - 3.12	
IG (%)	11.5	9.2 - 13.8	12.6	10.3 - 14.9	13.5	7.8 - 19.1	
RET-He (pg)	23.8	21.4 - 26.2	23.9	21.5 - 26.3	24.0	20.7 - 27.4	

*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:		2020-08-03		Quality Control Data Due Date #1: 22-Jun-20		Quality Control Data Due Date #2: 03-Aug-20	
Lot Number:		01340810		01340811		01340812	
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 - 2.41	4.44	4.27 - 4.62	5.31	5.09 - 5.52	
HGB (g/dL)	5.6	5.4 - 5.9	12.3	12.0 - 12.7	16.3	15.8 - 16.8	
HCT (%)	17.6	16.5 - 18.6	36.2	34.3 - 38.0	47.8	45.4 - 50.2	
MCV (fL)	76.0	71.5 - 80.6	81.4	77.3 - 85.4	90.1	85.6 - 94.7	
MCH (pg)	24.3	22.6 - 26.0	27.7	26.1 - 29.4	30.7	29.2 - 32.2	
MCHC (g/dL)	32.0	29.1 - 34.9	34.1	31.7 - 36.5	34.1	31.7 - 36.4	
PLT (10 ⁹ /L)	60	44 - 76	215	191 - 238	486	447 - 524	
RDW-SD (fL)	47.5	42.7 - 52.2	45.0	40.5 - 49.5	46.9	41.3 - 52.5	
RDW-CV (%)	17.5	15.7 - 19.2	15.7	14.4 - 17.0	15.1	13.9 - 16.4	
MPV (fL)	9.1	7.9 - 10.3	9.6	8.9 - 10.2	9.7	9.2 - 10.2	
WBC (10 ⁹ /L)	2.93	2.52 - 3.34	6.69	6.02 - 7.36	17.09	15.55 - 18.63	
WBC-D (10 ⁹ /L)	2.80	2.44 - 3.17	6.29	5.60 - 6.98	16.48	14.83 - 18.13	
NEUT%	43.5	37.4 - 49.6	46.5	41.9 - 51.2	50.7	46.1 - 55.2	
LYMPH%	35.5	27.3 - 43.6	33.3	27.6 - 38.9	27.0	23.5 - 30.5	
MONO%	11.9	4.3 - 19.6	10.6	5.9 - 15.2	11.4	7.0 - 15.9	
EO%	9.1	5.7 - 12.5	9.6	6.2 - 13.1	10.9	7.1 - 14.8	
BASO%	60.7	54.6 - 66.8	63.8	60.0 - 67.6	74.0	71.0 - 76.9	
NEUT# (10 ⁹ /L)	1.22	0.97 - 1.46	2.93	2.49 - 3.36	8.35	7.26 - 9.44	
LYMPH# (10 ⁹ /L)	0.99	0.73 - 1.26	2.09	1.67 - 2.51	4.45	3.74 - 5.16	
MONO# (10 ⁹ /L)	0.33	0.11 - 0.55	0.67	0.37 - 0.97	1.88	1.13 - 2.63	
EO# (10 ⁹ /L)	0.26	0.16 - 0.35	0.61	0.38 - 0.83	1.80	1.15 - 2.45	
BASO# (10 ⁹ /L)	1.78	1.46 - 2.10	4.27	3.76 - 4.78	12.64	11.38 - 13.90	
PLT-O (10 ⁹ /L)	55	36 - 74	214	174 - 255	532	447 - 617	
RET# (10 ¹² /L)	0.1164	0.0827 - 0.1502	0.0861	0.0568 - 0.1153	0.0407	0.0244 - 0.0570	
RET%	5.03	3.72 - 6.34	1.94	1.37 - 2.50	0.77	0.45 - 1.08	
IRF (%)	38.4	10.0 - 66.8	34.0	6.5 - 61.5	24.0	2.9 - 45.1	
IG (#)	0.32	0.25 - 0.40	0.79	0.63 - 0.95	2.22	1.29 - 3.15	
IG (%)	11.5	9.2 - 13.8	12.6	10.3 - 14.9	13.5	7.8 - 19.1	
RET-He (pg)	23.8	21.4 - 26.2	23.9	21.5 - 26.3	24.0	20.7 - 27.4	

*Not all parameters are available on all analyzer models

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