



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:		12170810		12170811		12170812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.30	2.21 - 2.39	4.37	4.20 - 4.55	5.30	5.09 - 5.51	
HGB (g/dL)	5.4	5.2 - 5.6	12.5	12.2 - 12.9	16.1	15.6 - 16.6	
HCT (%)	16.8	15.8 - 17.8	37.2	35.3 - 39.0	47.1	44.7 - 49.4	
MCV (fL)	73.2	68.8 - 77.6	85.0	80.8 - 89.3	88.8	84.3 - 93.2	
MCH (pg)	23.4	21.7 - 25.0	28.7	27.0 - 30.4	30.3	28.8 - 31.9	
MCHC (g/dL)	31.9	29.0 - 34.8	33.7	31.4 - 36.1	34.2	31.8 - 36.6	
PLT (10 ⁹ /L)	60	44 - 76	230	205 - 255	543	499 - 586	
RDW-SD (fL)	45.5	41.0 - 50.1	43.9	39.5 - 48.3	42.9	37.7 - 48.0	
RDW-CV (%)	17.4	15.7 - 19.1	14.7	13.6 - 15.9	14.0	12.9 - 15.1	
MPV (fL)	9.3	8.1 - 10.5	9.7	9.0 - 10.4	9.9	9.4 - 10.4	
WBC (10 ⁹ /L)	2.87	2.46 - 3.27	6.90	6.21 - 7.59	17.62	16.03 - 19.20	
WBC-D (10 ⁹ /L)	2.72	2.37 - 3.07	6.26	5.57 - 6.94	17.04	15.34 - 18.75	
NEUT%	44.3	38.1 - 50.5	47.1	42.4 - 51.8	52.0	47.3 - 56.7	
LYMPH%	35.4	27.3 - 43.5	32.4	26.9 - 37.9	26.5	23.1 - 30.0	
MONO%	10.9	3.9 - 17.9	11.3	6.3 - 16.3	11.2	6.8 - 15.5	
EO%	9.4	5.9 - 12.8	9.2	5.9 - 12.5	10.3	6.7 - 13.9	
BASO%	61.2	55.0 - 67.3	64.5	60.6 - 68.3	72.8	69.9 - 75.7	
NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.25	2.76 - 3.74	9.16	7.97 - 10.35	
LYMPH# (10 ⁹ /L)	1.01	0.74 - 1.29	2.24	1.79 - 2.68	4.68	3.93 - 5.42	
MONO# (10 ⁹ /L)	0.31	0.11 - 0.52	0.78	0.43 - 1.13	1.97	1.18 - 2.75	
EO# (10 ⁹ /L)	0.27	0.16 - 0.37	0.63	0.40 - 0.87	1.81	1.16 - 2.46	
BASO# (10 ⁹ /L)	1.75	1.44 - 2.07	4.45	3.91 - 4.98	12.82	11.54 - 14.10	
PLT-O (10 ⁹ /L)	53	34 - 71	218	177 - 260	563	473 - 653	
RET# (10 ¹² /L)	0.1183	0.0840 - 0.1526	0.0817	0.0539 - 0.1095	0.0455	0.0273 - 0.0638	
RET%	5.14	3.81 - 6.48	1.87	1.33 - 2.41	0.86	0.51 - 1.21	
IRF (%)	54.4	14.1 - 94.6	48.9	9.3 - 88.5	35.1	4.2 - 66.0	
IG (#)	0.34	0.26 - 0.42	0.88	0.70 - 1.06	2.46	1.43 - 3.50	
IG (%)	11.9	9.5 - 14.3	12.8	10.5 - 15.0	14.0	8.1 - 19.8	
RET-He (pg)	23.6	21.2 - 25.9	23.8	21.4 - 26.2	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:		12170810		12170811		12170812	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.30	2.21 - 2.39	4.37	4.20 - 4.55	5.25	5.04 - 5.46	
HGB (g/dL)	5.4	5.2 - 5.6	12.8	12.4 - 13.2	16.1	15.6 - 16.6	
HCT (%)	16.8	15.8 - 17.8	37.2	35.3 - 39.0	47.1	44.7 - 49.4	
MCV (fL)	73.2	68.8 - 77.6	85.0	80.8 - 89.3	89.7	85.2 - 94.1	
MCH (pg)	23.4	21.7 - 25.0	29.2	27.5 - 31.0	30.7	29.1 - 32.2	
MCHC (g/dL)	31.9	29.0 - 34.8	34.4	32.0 - 36.8	34.2	31.8 - 36.6	
PLT (10 ⁹ /L)	60	44 - 76	221	196 - 245	499	459 - 539	
RDW-SD (fL)	45.5	41.0 - 50.1	43.9	39.5 - 48.3	42.9	37.7 - 48.0	
RDW-CV (%)	17.4	15.7 - 19.1	14.7	13.6 - 15.9	14.0	12.9 - 15.1	
MPV (fL)	9.3	8.1 - 10.5	9.7	9.0 - 10.4	9.9	9.4 - 10.4	
WBC (10 ⁹ /L)	2.87	2.46 - 3.27	6.69	6.02 - 7.36	17.09	15.55 - 18.63	
WBC-D (10 ⁹ /L)	2.75	2.39 - 3.10	6.44	5.74 - 7.15	17.21	15.49 - 18.94	
NEUT%	44.6	38.4 - 50.8	47.2	42.5 - 52.0	51.6	47.0 - 56.3	
LYMPH%	35.4	27.3 - 43.5	32.8	27.2 - 38.3	27.2	23.7 - 30.7	
MONO%	10.9	3.9 - 17.9	10.8	6.1 - 15.6	10.7	6.5 - 14.9	
EO%	9.1	5.7 - 12.4	9.2	5.9 - 12.5	10.4	6.8 - 14.1	
BASO%	61.2	55.0 - 67.3	63.8	60.0 - 67.7	73.5	70.6 - 76.4	
NEUT# (10 ⁹ /L)	1.28	1.02 - 1.53	3.16	2.69 - 3.64	8.82	7.68 - 9.97	
LYMPH# (10 ⁹ /L)	1.01	0.74 - 1.29	2.19	1.75 - 2.63	4.65	3.91 - 5.39	
MONO# (10 ⁹ /L)	0.31	0.11 - 0.52	0.73	0.40 - 1.05	1.83	1.10 - 2.56	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.61	0.39 - 0.84	1.78	1.14 - 2.42	
BASO# (10 ⁹ /L)	1.75	1.44 - 2.07	4.27	3.76 - 4.78	12.56	11.30 - 13.81	
PLT-O (10 ⁹ /L)	53	34 - 71	218	177 - 260	546	458 - 633	
RET# (10 ¹² /L)	0.1124	0.0798 - 0.1450	0.0817	0.0539 - 0.1095	0.0451	0.0271 - 0.0631	
RET%	4.89	3.62 - 6.16	1.87	1.33 - 2.41	0.86	0.51 - 1.21	
IRF (%)	54.4	14.1 - 94.6	48.9	9.3 - 88.5	35.1	4.2 - 66.0	
IG (#)	0.34	0.26 - 0.42	0.85	0.68 - 1.02	2.39	1.38 - 3.39	
IG (%)	11.9	9.5 - 14.3	12.8	10.5 - 15.0	14.0	8.1 - 19.8	
RET-He (pg)	23.6	21.2 - 25.9	23.8	21.4 - 26.2	23.9	20.6 - 27.3	

*Not all parameters are available on all analyzer models

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