



e-CHECK™ (XE)

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

OPEN MODE ASSAY

Expiration Date: 2019-07-08		Quality Control Data Due Date #1: 27-May-19			Quality Control Data Due Date #2: 8-Jul-19		
Lot Number:		91080810		91080811		91080812	
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	4.31	4.14 - 4.48	5.24	5.03 - 5.45	
HGB (g/dL)	5.6	5.4 - 5.8	11.7	11.3 - 12.0	16.1	15.6 - 16.6	
HCT (%)	17.4	16.4 - 18.4	34.8	33.1 - 36.5	46.8	44.5 - 49.1	
MCV (fL)	75.7	71.2 - 80.2	80.7	76.7 - 84.7	89.3	84.8 - 93.8	
MCH (pg)	24.3	22.6 - 26.0	27.0	25.4 - 28.6	30.7	29.2 - 32.2	
MCHC (g/dL)	32.1	29.2 - 35.0	33.5	31.2 - 35.8	34.4	32.0 - 36.8	
PLT (10 ⁹ /L)	60	44 - 76	223	198 - 248	522	480 - 564	
RDW-SD (fL)	43.9	39.5 - 48.3	45.3	40.8 - 49.8	43.8	38.5 - 49.1	
RDW-CV (%)	16.4	14.8 - 18.0	16.0	14.7 - 17.3	14.3	13.2 - 15.4	
MPV (fL)	9.0	7.8 - 10.2	9.4	8.7 - 10.1	9.6	9.1 - 10.1	
WBC (10 ⁹ /L)	2.96	2.55 - 3.37	7.16	6.44 - 7.88	17.28	15.72 - 18.84	
WBC-D (10 ⁹ /L)	2.90	2.52 - 3.28	6.40	5.70 - 7.10	16.24	14.62 - 17.86	
NEUT%	42.6	36.6 - 48.6	47.8	43.0 - 52.6	52.1	47.4 - 56.8	
LYMPH%	36.5	28.1 - 44.9	32.2	26.7 - 37.7	27.0	23.5 - 30.5	
MONO%	11.9	4.3 - 19.5	10.1	5.7 - 14.5	10.6	6.5 - 14.7	
EO%	8.9	5.6 - 12.2	9.9	6.3 - 13.5	10.2	6.6 - 13.8	
BASO%	60.4	54.4 - 66.4	65.7	61.8 - 69.6	72.4	69.5 - 75.3	
NEUT# (10 ⁹ /L)	1.26	1.01 - 1.51	3.43	2.92 - 3.94	9.01	7.84 - 10.18	
LYMPH# (10 ⁹ /L)	1.08	0.79 - 1.37	2.30	1.84 - 2.76	4.67	3.92 - 5.42	
MONO# (10 ⁹ /L)	0.35	0.12 - 0.58	0.72	0.40 - 1.04	1.83	1.10 - 2.56	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.71	0.45 - 0.97	1.77	1.13 - 2.41	
BASO# (10 ⁹ /L)	1.79	1.47 - 2.11	4.70	4.14 - 5.26	12.52	11.27 - 13.77	
PLT-O (10 ⁹ /L)	56	36 - 76	220	178 - 262	583	490 - 676	
RET# (10 ¹² /L)	0.1127	0.0800 - 0.1454	0.0791	0.0522 - 0.1060	0.0407	0.0244 - 0.0570	
RET%	4.90	3.63 - 6.17	1.83	1.30 - 2.36	0.78	0.46 - 1.10	
IRF (%)	55.0	14.3 - 95.7	48.1	9.1 - 87.1	34.2	4.1 - 64.3	
IG #	0.33	0.25 - 0.41	0.92	0.74 - 1.10	2.55	1.48 - 3.62	
IG %	11.4	9.1 - 13.7	13.0	10.7 - 15.3	14.1	8.2 - 20.0	
RET-He (pg)	24.6	22.1 - 27.1	24.4	22.0 - 26.8	24.0	20.6 - 27.4	

*Not all parameters are available on all analyzer models

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CLOSED MODE ASSAY

Expiration Date: 2019-07-08		Quality Control Data Due Date #1: 27-May-19			Quality Control Data Due Date #2: 8-Jul-19		
Lot Number:		91080810		91080811		91080812	
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	4.31	4.14 - 4.48	5.19	4.98 - 5.40	
HGB (g/dL)	5.6	5.4 - 5.8	11.9	11.5 - 12.2	16.1	15.6 - 16.6	
HCT (%)	17.4	16.4 - 18.4	34.8	33.1 - 36.5	46.8	44.5 - 49.1	
MCV (fL)	75.7	71.2 - 80.2	80.7	76.7 - 84.7	90.2	85.7 - 94.7	
MCH (pg)	24.3	22.6 - 26.0	27.6	25.9 - 29.3	31.0	29.5 - 32.6	
MCHC (g/dL)	32.1	29.2 - 35.0	34.1	31.7 - 36.5	34.4	32.0 - 36.8	
PLT (10 ⁹ /L)	60	44 - 76	214	191 - 238	480	442 - 519	
RDW-SD (fL)	43.9	39.5 - 48.3	45.3	40.8 - 49.8	43.8	38.5 - 49.1	
RDW-CV (%)	16.4	14.8 - 18.0	16.0	14.7 - 17.3	14.3	13.2 - 15.4	
MPV (fL)	9.0	7.8 - 10.2	9.4	8.7 - 10.1	9.6	9.1 - 10.1	
WBC (10 ⁹ /L)	2.96	2.55 - 3.37	6.95	6.26 - 7.65	16.76	15.25 - 18.27	
WBC-D (10 ⁹ /L)	2.93	2.55 - 3.31	6.59	5.87 - 7.31	16.40	14.76 - 18.04	
NEUT%	42.9	36.9 - 48.9	47.9	43.1 - 52.7	51.2	46.6 - 55.8	
LYMPH%	36.5	28.1 - 44.9	32.4	26.9 - 37.9	27.9	24.3 - 31.5	
MONO%	11.8	4.2 - 19.4	9.6	5.4 - 13.8	10.3	6.3 - 14.3	
EO%	8.8	5.5 - 12.1	10.1	6.5 - 13.7	10.6	6.9 - 14.3	
BASO%	60.5	54.5 - 66.6	64.9	61.0 - 68.8	73.2	70.3 - 76.1	
NEUT# (10 ⁹ /L)	1.27	1.02 - 1.52	3.33	2.83 - 3.83	8.60	7.48 - 9.72	
LYMPH# (10 ⁹ /L)	1.08	0.79 - 1.37	2.25	1.80 - 2.70	4.67	3.92 - 5.42	
MONO# (10 ⁹ /L)	0.35	0.12 - 0.58	0.67	0.37 - 0.97	1.72	1.03 - 2.41	
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.70	0.44 - 0.96	1.77	1.13 - 2.41	
BASO# (10 ⁹ /L)	1.79	1.47 - 2.11	4.51	3.97 - 5.05	12.27	11.04 - 13.50	
PLT-O (10 ⁹ /L)	56	36 - 76	220	178 - 262	566	475 - 656	
RET# (10 ¹² /L)	0.1071	0.0760 - 0.1382	0.0791	0.0522 - 0.1060	0.0407	0.0244 - 0.0570	
RET%	4.66	3.45 - 5.87	1.83	1.30 - 2.36	0.78	0.46 - 1.10	
IRF (%)	55.0	14.3 - 95.7	48.1	9.1 - 87.1	34.2	4.1 - 64.3	
IG #	0.33	0.25 - 0.41	0.92	0.74 - 1.10	2.52	1.46 - 3.58	
IG %	11.4	9.1 - 13.7	13.0	10.7 - 15.3	14.1	8.2 - 20.0	
RET-He (pg)	24.6	22.1 - 27.1	24.4	22.0 - 26.8	24.0	20.6 - 27.4	

*Not all parameters are available on all analyzer models

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