



e-CHECK™ (XE)

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

OPEN MODE ASSAY

Expiration Date: 2019-09-02		Quality Control Data Due Date #1: 22-Jul-19				Quality Control Data Due Date #2: 2-Sep-19			
Lot Number:		91630810		91630811		91630812			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE			
RBC (10 ¹² /L)	2.33	2.24 - 2.42	4.35	4.18 - 4.52	5.36	5.15 - 5.57			
HGB (g/dL)	5.5	5.3 - 5.7	11.8	11.5 - 12.2	16.4	15.9 - 16.8			
HCT (%)	17.2	16.2 - 18.2	35.1	33.3 - 36.9	47.5	45.1 - 49.9			
MCV (fL)	73.8	69.4 - 78.2	80.7	76.7 - 84.7	88.6	84.2 - 93.0			
MCH (pg)	23.6	21.9 - 25.3	27.2	25.6 - 28.8	30.5	29.0 - 32.0			
MCHC (g/dL)	32.0	29.1 - 34.9	33.7	31.3 - 36.1	34.4	32.0 - 36.8			
PLT (10 ⁹ /L)	60	44 - 76	222	198 - 246	514	473 - 555			
RDW-SD (fL)	45.8	41.2 - 50.4	47.1	42.4 - 51.8	43.5	38.3 - 48.7			
RDW-CV (%)	17.3	15.6 - 19.0	16.4	15.1 - 17.7	14.2	13.1 - 15.3			
MPV (fL)	8.9	7.7 - 10.1	9.3	8.6 - 10.0	9.5	9.0 - 10.0			
WBC (10 ⁹ /L)	3.00	2.58 - 3.42	7.25	6.53 - 7.98	17.99	16.37 - 19.61			
WBC-D (10 ⁹ /L)	2.91	2.53 - 3.29	6.48	5.77 - 7.19	17.24	15.52 - 18.96			
NEUT%	43.5	37.4 - 49.6	45.5	41.0 - 50.1	52.3	47.6 - 57.0			
LYMPH%	36.5	28.1 - 44.9	32.9	27.3 - 38.5	26.5	23.1 - 29.9			
MONO%	11.1	4.0 - 18.2	11.5	6.4 - 16.6	10.6	6.5 - 14.7			
EO%	8.9	5.6 - 12.2	10.1	6.5 - 13.7	10.6	6.9 - 14.3			
BASO%	61.0	54.9 - 67.1	65.4	61.5 - 69.3	73.6	70.7 - 76.5			
NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.29	2.80 - 3.78	9.40	8.18 - 10.62			
LYMPH# (10 ⁹ /L)	1.10	0.80 - 1.40	2.39	1.91 - 2.87	4.77	4.01 - 5.53			
MONO# (10 ⁹ /L)	0.33	0.11 - 0.55	0.84	0.46 - 1.22	1.91	1.15 - 2.67			
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.73	0.46 - 1.00	1.91	1.22 - 2.60			
BASO# (10 ⁹ /L)	1.83	1.50 - 2.16	4.74	4.17 - 5.31	13.23	11.91 - 14.55			
PLT-O (10 ⁹ /L)	57	37 - 77	219	177 - 261	556	467 - 645			
RET# (10 ¹² /L)	0.1162	0.0825 - 0.1499	0.0820	0.0541 - 0.1099	0.0472	0.0283 - 0.0661			
RET%	4.99	3.69 - 6.29	1.89	1.34 - 2.44	0.88	0.52 - 1.24			
IRF (%)	57.2	14.9 - 99.5	48.9	9.3 - 88.5	34.8	4.2 - 65.4			
IG #	0.34	0.26 - 0.42	0.89	0.71 - 1.07	2.65	1.54 - 3.76			
IG %	11.8	9.4 - 14.2	12.4	10.2 - 14.6	14.1	8.2 - 20.0			
RET-He (pg)	23.8	21.4 - 26.2	23.7	21.3 - 26.1	23.8	20.5 - 27.1			

*Not all parameters are available on all analyzer models



e-CHECK™ (XE)

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

CLOSED MODE ASSAY

Expiration Date: 2019-09-02		Quality Control Data Due Date #1: 22-Jul-19				Quality Control Data Due Date #2: 2-Sep-19			
Lot Number:		91630810		91630811		91630812			
Control:		L1:Level 1		L2:Level 2		L3:Level 3			
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE			
RBC (10 ¹² /L)	2.33	2.24 - 2.42	4.35	4.18 - 4.52	5.31	5.10 - 5.52			
HGB (g/dL)	5.5	5.3 - 5.7	12.1	11.7 - 12.4	16.4	15.9 - 16.8			
HCT (%)	17.2	16.2 - 18.2	35.1	33.3 - 36.9	47.5	45.1 - 49.9			
MCV (fL)	73.8	69.4 - 78.2	80.7	76.7 - 84.7	89.5	85.0 - 94.0			
MCH (pg)	23.6	21.9 - 25.3	27.7	26.0 - 29.4	30.8	29.3 - 32.3			
MCHC (g/dL)	32.0	29.1 - 34.9	34.4	32.0 - 36.8	34.4	32.0 - 36.8			
PLT (10 ⁹ /L)	60	44 - 76	213	190 - 237	473	435 - 511			
RDW-SD (fL)	45.8	41.2 - 50.4	47.1	42.4 - 51.8	43.5	38.3 - 48.7			
RDW-CV (%)	17.3	15.6 - 19.0	16.4	15.1 - 17.7	14.2	13.1 - 15.3			
MPV (fL)	8.9	7.7 - 10.1	9.3	8.6 - 10.0	9.5	9.0 - 10.0			
WBC (10 ⁹ /L)	3.00	2.58 - 3.42	7.03	6.33 - 7.73	17.45	15.88 - 19.02			
WBC-D (10 ⁹ /L)	2.94	2.56 - 3.32	6.67	5.94 - 7.40	17.41	15.67 - 19.15			
NEUT%	43.6	37.5 - 49.7	45.4	40.9 - 49.9	51.5	46.9 - 56.1			
LYMPH%	36.7	28.3 - 45.1	33.3	27.6 - 39.0	27.3	23.8 - 30.8			
MONO%	11.0	4.0 - 18.0	11.1	6.2 - 16.0	10.3	6.3 - 14.3			
EO%	8.7	5.5 - 11.9	10.2	6.5 - 13.9	10.9	7.1 - 14.7			
BASO%	61.0	54.9 - 67.1	64.7	60.8 - 68.6	74.3	71.3 - 77.3			
NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.19	2.71 - 3.67	8.97	7.80 - 10.14			
LYMPH# (10 ⁹ /L)	1.10	0.80 - 1.40	2.34	1.87 - 2.81	4.77	4.01 - 5.53			
MONO# (10 ⁹ /L)	0.33	0.11 - 0.55	0.78	0.43 - 1.13	1.80	1.08 - 2.52			
EO# (10 ⁹ /L)	0.26	0.16 - 0.36	0.72	0.45 - 0.99	1.91	1.22 - 2.60			
BASO# (10 ⁹ /L)	1.83	1.50 - 2.16	4.55	4.00 - 5.10	12.97	11.67 - 14.27			
PLT-O (10 ⁹ /L)	57	37 - 77	219	177 - 261	539	453 - 626			
RET# (10 ¹² /L)	0.1104	0.0784 - 0.1424	0.0820	0.0541 - 0.1099	0.0472	0.0283 - 0.0661			
RET%	4.74	3.51 - 5.97	1.89	1.34 - 2.44	0.88	0.52 - 1.24			
IRF (%)	57.2	14.9 - 99.5	48.9	9.3 - 88.5	34.8	4.2 - 65.4			
IG #	0.34	0.26 - 0.42	0.89	0.71 - 1.07	2.62	1.52 - 3.73			
IG %	11.8	9.4 - 14.2	12.4	10.2 - 14.6	14.1	8.2 - 20.0			
RET-He (pg)	23.8	21.4 - 26.2	23.7	21.3 - 26.1	23.8	20.5 - 27.1			

*Not all parameters are available on all analyzer models