



e-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XE-2100™, XE-2100D™ and XE-2100L™ ANALYZERS

OPEN MODE ASSAY

Expiration Date:		2020-08-31		Quality Control Data Due Date #1: 20-Jul-20		Quality Control Data Due Date #2: 31-Aug-20	
Lot Number:		01620801		01620802		01620803	
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	2.20 - 2.39	4.36	4.23 - 4.49	5.25	5.09 - 5.40	
HGB (g/dL)	5.6	5.4 - 5.8	12.2	11.8 - 12.5	16.4	15.9 - 16.9	
HCT (%)	17.1	16.1 - 18.1	35.7	33.9 - 37.5	46.8	44.4 - 49.1	
MCV (fL)	74.4	69.9 - 78.8	81.9	77.0 - 86.8	89.2	84.7 - 93.7	
MCH (pg)	24.4	23.2 - 25.6	27.9	26.8 - 29.0	31.3	30.1 - 32.6	
MCHC (g/dL)	32.8	30.2 - 35.4	34.1	31.7 - 36.5	35.1	32.7 - 37.6	
PLT (10 ⁹ /L)	58	45 - 72	231	208 - 254	549	505 - 592	
RDW-SD (fL)	46.2	42.0 - 50.4	45.6	41.5 - 49.7	44.2	40.3 - 48.2	
RDW-CV (%)	17.1	15.7 - 18.4	15.5	14.5 - 16.4	13.8	13.0 - 14.7	
MPV (fL)	9.6	8.4 - 10.9	9.9	9.2 - 10.7	10.1	9.4 - 10.8	
WBC (10 ⁹ /L)	2.92	2.57 - 3.27	6.26	5.69 - 6.82	15.60	14.35 - 16.85	
NEUT%	42.3	36.4 - 48.2	48.2	43.3 - 53.0	50.8	45.7 - 55.9	
LYMPH%	41.3	33.9 - 48.8	33.2	28.2 - 38.2	30.0	25.5 - 34.5	
MONO%	8.1	3.7 - 12.4	8.3	5.1 - 11.6	8.6	5.2 - 11.9	
EO%	8.3	5.1 - 11.5	10.3	6.5 - 14.1	10.6	6.8 - 14.4	
BASO%	59.2	52.6 - 65.7	68.0	63.3 - 72.8	72.4	68.8 - 76.0	
NEUT# (10 ⁹ /L)	1.23	0.99 - 1.48	3.01	2.56 - 3.47	7.93	6.90 - 8.96	
LYMPH# (10 ⁹ /L)	1.21	0.93 - 1.48	2.08	1.68 - 2.47	4.68	3.89 - 5.48	
MONO# (10 ⁹ /L)	0.24	0.10 - 0.37	0.52	0.30 - 0.74	1.34	0.80 - 1.88	
EO# (10 ⁹ /L)	0.24	0.15 - 0.34	0.64	0.39 - 0.89	1.65	1.04 - 2.26	
BASO# (10 ⁹ /L)	1.73	1.41 - 2.04	4.26	3.70 - 4.81	11.30	10.17 - 12.43	
NRBC# (10 ⁹ /L)	2.65	2.20 - 3.10	5.81	5.06 - 6.57	15.28	13.45 - 17.12	
NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A	
PLT-O (10 ⁹ /L)	65	43 - 87	239	198 - 279	585	497 - 672	
RET# (10 ¹² /L)	0.1368	0.0944 - 0.1792	0.1072	0.0750 - 0.1394	0.0604	0.0435 - 0.0773	
RET%	5.96	4.29 - 7.62	2.46	1.80 - 3.12	1.15	0.75 - 1.55	
IRF (%)	25.3	4.3 - 46.2	23.5	1.9 - 45.1	17.6	0.9 - 34.3	
^a IG (#)	0.29	0.22 - 0.36	0.70	0.55 - 0.84	1.86	1.49 - 2.24	
^a IG (%)	9.90	7.82 - 11.98	11.12	9.01 - 13.24	11.94	9.67 - 14.21	
^b HPC (#)	0.012	0.009 - 0.016	0.029	0.022 - 0.036	0.076	0.057 - 0.095	
^c RET-He (pg)	24.1	20.7 - 27.4	24.7	21.3 - 28.2	26.1	21.9 - 30.3	
^d IPF (%)	21.6	17.5 - 25.6	21.4	17.3 - 25.4	21.5	17.4 - 25.6	

^aIG values are only available with the Sysmex XE-Series IG Master software.
^cRET-He values are only available with the Sysmex XE-Series RET Master software.

^bHPC values are only available with the Sysmex XE-Series HPC Master software.
^dIPF values are only available with the Sysmex XE-Series IPF Master software.



e-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XE-2100™, XE-2100D™ and XE-2100L™ ANALYZERS

CLOSED MODE ASSAY

Expiration Date:		2020-08-31		Quality Control Data Due Date #1: 20-Jul-20		Quality Control Data Due Date #2: 31-Aug-20	
Lot Number:		01620801		01620802		01620803	
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	2.20 - 2.39	4.36	4.23 - 4.49	5.19	5.04 - 5.35	
HGB (g/dL)	5.6	5.4 - 5.9	12.1	11.7 - 12.5	16.3	15.8 - 16.8	
HCT (%)	17.1	16.1 - 18.1	35.7	33.9 - 37.5	46.8	44.4 - 49.1	
MCV (fL)	74.4	69.9 - 78.8	81.9	77.0 - 86.8	90.1	85.6 - 94.6	
MCH (pg)	24.5	23.3 - 25.7	27.8	26.6 - 28.9	31.3	30.1 - 32.6	
MCHC (g/dL)	33.0	30.3 - 35.6	33.9	31.5 - 36.3	34.8	32.3 - 37.2	
PLT (10 ⁹ /L)	58	45 - 72	226	204 - 249	516	474 - 557	
RDW-SD (fL)	45.7	41.6 - 49.8	45.2	41.1 - 49.2	44.2	40.3 - 48.2	
RDW-CV (%)	16.9	15.5 - 18.2	15.3	14.4 - 16.2	13.8	13.0 - 14.7	
MPV (fL)	9.6	8.4 - 10.9	9.9	9.2 - 10.7	10.1	9.4 - 10.8	
WBC (10 ⁹ /L)	2.83	2.49 - 3.17	5.88	5.35 - 6.41	15.29	14.07 - 16.51	
NEUT%	42.9	36.9 - 48.9	48.3	43.4 - 53.1	51.4	46.3 - 56.5	
LYMPH%	40.9	33.6 - 48.3	33.9	28.8 - 39.0	29.7	25.3 - 34.2	
MONO%	8.0	3.7 - 12.3	7.7	4.7 - 10.7	8.3	5.1 - 11.6	
EO%	8.2	5.1 - 11.3	10.2	6.4 - 13.9	10.6	6.8 - 14.4	
BASO%	59.2	52.6 - 65.7	68.7	63.9 - 73.5	72.4	68.8 - 76.0	
NEUT# (10 ⁹ /L)	1.21	0.97 - 1.46	2.84	2.41 - 3.26	7.86	6.84 - 8.88	
LYMPH# (10 ⁹ /L)	1.16	0.89 - 1.42	1.99	1.61 - 2.37	4.54	3.77 - 5.32	
MONO# (10 ⁹ /L)	0.23	0.10 - 0.35	0.45	0.26 - 0.64	1.27	0.76 - 1.78	
EO# (10 ⁹ /L)	0.23	0.14 - 0.33	0.60	0.36 - 0.83	1.62	1.02 - 2.21	
BASO# (10 ⁹ /L)	1.67	1.37 - 1.97	4.04	3.52 - 4.57	11.07	9.97 - 12.18	
NRBC# (10 ⁹ /L)	2.63	2.18 - 3.07	5.58	4.85 - 6.30	15.13	13.32 - 16.95	
NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A	
PLT-O (10 ⁹ /L)	66	43 - 88	239	198 - 279	567	482 - 652	
RET# (10 ¹² /L)	0.1341	0.0925 - 0.1756	0.1061	0.0743 - 0.1380	0.0595	0.0428 - 0.0761	
RET%	5.84	4.20 - 7.47	2.44	1.78 - 3.09	1.15	0.74 - 1.55	
IRF (%)	24.0	4.1 - 43.9	23.5	1.9 - 45.1	18.3	0.9 - 35.7	
^a IG (#)	0.28	0.21 - 0.35	0.65	0.52 - 0.79	1.83	1.46 - 2.19	
^a IG (%)	9.90	7.82 - 11.98	11.12	9.01 - 13.24	11.94	9.67 - 14.21	
^b HPC (#)	0.012	0.009 - 0.016	0.029	0.022 - 0.036	0.076	0.057 - 0.095	
^c RET-He (pg)	23.6	20.3 - 26.9	24.2	20.8 - 27.6	25.6	21.5 - 29.7	
^d IPF (%)	21.6	17.5 - 25.6	21.4	17.3 - 25.4	21.5	17.4 - 25.6	

^aIG values are only available with the Sysmex XE-Series IG Master software.
^cRET-He values are only available with the Sysmex XE-Series RET Master software.

^bHPC values are only available with the Sysmex XE-Series HPC Master software.
^dIPF values are only available with the Sysmex XE-Series IPF Master software.



e-CHECK™

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

OPEN MODE ASSAY

Expiration Date:		2020-08-31		Quality Control Data Due Date #1: 20-Jul-20		Quality Control Data Due Date #2: 31-Aug-20	
Lot Number:		01620801		01620802		01620803	
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	2.20 - 2.39	4.36	4.19 - 4.54	5.28	5.07 - 5.49	
HGB (g/dL)	5.6	5.3 - 5.8	12.0	11.7 - 12.4	16.3	15.8 - 16.8	
HCT (%)	17.2	16.1 - 18.2	35.7	33.9 - 37.4	47.3	44.9 - 49.7	
MCV (fL)	74.8	70.3 - 79.3	81.7	77.6 - 85.8	89.5	85.1 - 94.0	
MCH (pg)	24.2	22.5 - 25.9	27.6	25.9 - 29.2	30.8	29.3 - 32.4	
MCHC (g/dL)	32.4	29.5 - 35.3	33.7	31.4 - 36.1	34.4	32.0 - 36.9	
PLT (10 ⁹ /L)	61	45 - 76	227	202 - 252	530	487 - 572	
RDW-SD (fL)	46.0	41.4 - 50.6	46.2	41.6 - 50.8	44.1	38.8 - 49.4	
RDW-CV (%)	17.3	15.5 - 19.0	16.0	14.7 - 17.3	14.4	13.2 - 15.5	
MPV (fL)	9.6	8.4 - 10.9	10.1	9.4 - 10.8	10.3	9.8 - 10.8	
WBC (10 ⁹ /L)	2.88	2.48 - 3.29	6.44	5.79 - 7.08	16.15	14.70 - 17.61	
NEUT%	42.0	36.2 - 47.9	47.1	42.4 - 51.8	50.3	45.8 - 54.9	
LYMPH%	39.1	30.1 - 48.1	32.0	26.6 - 37.4	27.9	24.3 - 31.5	
MONO%	10.0	3.6 - 16.4	11.0	6.1 - 15.8	11.4	6.9 - 15.8	
EO%	8.8	5.6 - 12.1	9.9	6.4 - 13.5	10.4	6.8 - 14.1	
BASO%	60.1	54.1 - 66.1	67.4	63.3 - 71.4	76.1	72.3 - 79.9	
NEUT# (10 ⁹ /L)	1.21	0.97 - 1.45	3.03	2.58 - 3.49	8.13	7.07 - 9.19	
LYMPH# (10 ⁹ /L)	1.13	0.82 - 1.43	2.06	1.65 - 2.47	4.50	3.78 - 5.22	
MONO# (10 ⁹ /L)	0.29	0.10 - 0.48	0.70	0.39 - 1.02	1.83	1.10 - 2.57	
EO# (10 ⁹ /L)	0.26	0.16 - 0.35	0.64	0.40 - 0.88	1.69	1.08 - 2.29	
BASO# (10 ⁹ /L)	1.73	1.42 - 2.04	4.34	3.82 - 4.86	12.29	11.06 - 13.52	
PLT-O (10 ⁹ /L)	56	36 - 75	215	174 - 256	551	463 - 639	
RET# (10 ¹² /L)	0.1248	0.0886 - 0.1609	0.0828	0.0547 - 0.1110	0.0459	0.0275 - 0.0642	
RET%	5.43	4.02 - 6.85	1.90	1.35 - 2.45	0.87	0.51 - 1.22	
IRF (%)	38.7	10.1 - 67.3	35.7	6.8 - 64.7	27.2	3.3 - 51.2	
^a IG (#)	0.33	0.25 - 0.40	0.82	0.65 - 0.98	2.18	1.27 - 3.10	
^a IG (%)	11.28	9.03 - 13.54	12.70	10.42 - 14.99	13.52	7.84 - 19.20	
^c RET-He (pg)	24.3	21.9 - 26.8	24.3	21.9 - 26.7	24.4	21.0 - 27.8	

^aIG values are only available with the Sysmex XT-Series IG Master software.
^cRET-He values are only available with the Sysmex XT-Series RET Master software.

OPEN



e-CHECK™

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

CLOSED MODE ASSAY

Expiration Date:		2020-08-31		Quality Control Data Due Date #1: 20-Jul-20		Quality Control Data Due Date #2: 31-Aug-20	
Lot Number:		01620801		01620802		01620803	
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	2.20 - 2.39	4.36	4.19 - 4.54	5.18	4.97 - 5.38	
HGB (g/dL)	5.6	5.3 - 5.8	12.2	11.8 - 12.5	16.1	15.6 - 16.6	
HCT (%)	17.2	16.1 - 18.2	35.7	33.9 - 37.4	47.3	44.9 - 49.7	
MCV (fL)	74.8	70.3 - 79.3	81.7	77.6 - 85.8	91.4	86.8 - 95.9	
MCH (pg)	24.2	22.5 - 25.9	27.8	26.2 - 29.5	31.2	29.6 - 32.7	
MCHC (g/dL)	32.4	29.5 - 35.3	34.1	31.7 - 36.5	34.1	31.7 - 36.5	
PLT (10 ⁹ /L)	61	45 - 77	220	196 - 244	487	448 - 526	
RDW-SD (fL)	46.0	41.4 - 50.6	46.2	41.6 - 50.8	44.1	38.8 - 49.4	
RDW-CV (%)	17.3	15.5 - 19.0	16.0	14.7 - 17.3	14.4	13.2 - 15.5	
MPV (fL)	9.6	8.4 - 10.9	10.1	9.4 - 10.8	10.3	9.8 - 10.8	
WBC (10 ⁹ /L)	2.88	2.48 - 3.29	6.24	5.62 - 6.87	15.67	14.26 - 17.08	
NEUT%	42.2	36.3 - 48.1	47.1	42.4 - 51.9	51.3	46.7 - 55.9	
LYMPH%	39.1	30.1 - 48.1	32.0	26.6 - 37.4	27.6	24.0 - 31.2	
MONO%	10.0	3.6 - 16.4	10.7	6.0 - 15.5	10.9	6.6 - 15.1	
EO%	8.7	5.5 - 11.9	10.1	6.5 - 13.8	10.2	6.6 - 13.8	
BASO%	59.5	53.5 - 65.4	66.7	62.7 - 70.7	75.3	71.5 - 79.1	
NEUT# (10 ⁹ /L)	1.22	0.97 - 1.46	2.94	2.50 - 3.38	8.03	6.99 - 9.08	
LYMPH# (10 ⁹ /L)	1.13	0.82 - 1.43	2.00	1.60 - 2.40	4.32	3.63 - 5.02	
MONO# (10 ⁹ /L)	0.29	0.10 - 0.48	0.67	0.37 - 0.97	1.71	1.02 - 2.39	
EO# (10 ⁹ /L)	0.25	0.15 - 0.35	0.63	0.40 - 0.87	1.60	1.03 - 2.18	
BASO# (10 ⁹ /L)	1.71	1.41 - 2.02	4.16	3.66 - 4.66	11.80	10.62 - 12.98	
PLT-O (10 ⁹ /L)	56	36 - 75	215	174 - 256	534	449 - 620	
RET# (10 ¹² /L)	0.1123	0.0797 - 0.1448	0.0828	0.0547 - 0.1110	0.0450	0.0270 - 0.0629	
RET%	4.89	3.62 - 6.16	1.90	1.35 - 2.45	0.87	0.51 - 1.22	
IRF (%)	38.7	10.1 - 67.3	35.7	6.8 - 64.7	27.2	3.3 - 51.2	
^a IG (#)	0.33	0.26 - 0.41	0.81	0.65 - 0.97	2.16	1.25 - 3.07	
^a IG (%)	11.51	9.21 - 13.81	12.96	10.62 - 15.29	13.79	8.00 - 19.58	
^c RET-He (pg)	24.3	21.9 - 26.8	24.3	21.9 - 26.7	24.4	21.0 - 27.8	

^aIG values are only available with the Sysmex XT-Series IG Master software.
^cRET-He values are only available with the Sysmex XT-Series RET Master software.

CLOSED