



e-CHECK™

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

Expiration Date:		2021-09-27		Quality Control Data Due Date #1: 16-Aug-21		Quality Control Data Due Date #2: 27-Sep-21	
Lot Number:		11880801		11880802		11880803	
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	4.32	4.19 - 4.45	5.18	5.03 - 5.34	
HGB (g/dL)	5.7	5.5 - 6.0	12.6	12.2 - 13.0	16.6	16.1 - 17.1	
HCT (%)	17.2	16.2 - 18.2	36.4	34.6 - 38.2	47.0	44.6 - 49.3	
MCV (fL)	74.8	70.3 - 79.3	84.3	79.2 - 89.4	90.6	86.0 - 95.1	
MCH (pg)	24.9	23.7 - 26.2	29.2	28.0 - 30.3	31.9	30.7 - 33.2	
MCHC (g/dL)	33.3	30.6 - 36.0	34.6	32.2 - 37.0	35.3	32.8 - 37.7	
PLT (10 ⁹ /L)	60	46 - 74	241	216 - 265	573	527 - 619	
RDW-SD (fL)	46.6	42.4 - 50.8	42.1	38.3 - 45.9	43.1	39.2 - 47.0	
RDW-CV (%)	17.0	15.6 - 18.3	13.8	13.0 - 14.7	13.4	12.6 - 14.2	
MPV (fL)	8.8	7.7 - 10.0	9.2	8.4 - 9.9	9.3	8.7 - 10.0	
WBC (10 ⁹ /L)	2.93	2.58 - 3.28	6.76	6.15 - 7.36	16.05	14.76 - 17.33	
NEUT%	45.1	38.8 - 51.5	49.4	44.4 - 54.3	52.0	46.8 - 57.2	
LYMPH%	36.5	29.9 - 43.0	31.8	27.0 - 36.6	28.4	24.2 - 32.7	
MONO%	8.8	4.1 - 13.6	8.7	5.3 - 12.1	8.3	5.0 - 11.5	
EO%	9.6	5.9 - 13.2	10.1	6.4 - 13.9	11.3	7.2 - 15.4	
BASO%	64.8	57.6 - 71.9	68.9	64.0 - 73.7	73.2	69.5 - 76.8	
NEUT# (10 ⁹ /L)	1.32	1.06 - 1.59	3.33	2.83 - 3.83	8.34	7.26 - 9.43	
LYMPH# (10 ⁹ /L)	1.07	0.82 - 1.32	2.15	1.74 - 2.56	4.56	3.79 - 5.34	
MONO# (10 ⁹ /L)	0.26	0.11 - 0.40	0.59	0.34 - 0.83	1.33	0.80 - 1.86	
EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.69	0.42 - 0.95	1.81	1.14 - 2.49	
BASO# (10 ⁹ /L)	1.90	1.56 - 2.24	4.65	4.05 - 5.26	11.74	10.57 - 12.92	
NRBC# (10 ⁹ /L)	2.83	2.35 - 3.31	6.64	5.78 - 7.50	16.92	14.89 - 18.95	
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)	63	42 - 84	237	197 - 278	579	492 - 666	
RET# (10 ¹² /L)	0.1289	0.0889 - 0.1689	0.1065	0.0746 - 0.1385	0.0549	0.0395 - 0.0702	
RET%	5.61	4.04 - 7.18	2.47	1.80 - 3.13	1.06	0.69 - 1.43	
IRF (%)	28.1	4.8 - 51.5	24.9	2.0 - 47.8	18.5	0.9 - 36.1	
^a IG (#)	0.31	0.23 - 0.38	0.78	0.62 - 0.94	1.96	1.57 - 2.35	
^a IG (%)	10.43	8.24 - 12.61	11.56	9.36 - 13.75	12.23	9.90 - 14.55	
^b HPC (#)	0.012	0.008 - 0.015	0.030	0.022 - 0.037	0.084	0.063 - 0.105	
^c RET-He (pg)	23.2	20.0 - 26.5	24.0	20.6 - 27.4	25.6	21.5 - 29.7	
^d IPF (%)	21.6	17.5 - 25.7	22.2	18.0 - 26.4	21.8	17.6 - 25.9	

^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.

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e-CHECK™

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

Expiration Date:		2021-09-27		Quality Control Data Due Date #1: 16-Aug-21		Quality Control Data Due Date #2: 27-Sep-21	
Lot Number:		11880801		11880802		11880803	
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	4.32	4.19 - 4.45	5.13	4.98 - 5.29	
HGB (g/dL)	5.8	5.5 - 6.0	12.5	12.2 - 12.9	16.4	15.9 - 16.9	
HCT (%)	17.2	16.2 - 18.2	36.4	34.6 - 38.2	47.0	44.6 - 49.3	
MCV (fL)	74.8	70.3 - 79.3	84.3	79.2 - 89.4	91.5	86.9 - 96.1	
MCH (pg)	25.0	23.8 - 26.3	29.0	27.9 - 30.2	31.9	30.7 - 33.2	
MCHC (g/dL)	33.5	30.8 - 36.1	34.4	32.0 - 36.8	34.9	32.5 - 37.4	
PLT (10 ⁹ /L)	60	46 - 74	236	212 - 259	539	496 - 582	
RDW-SD (fL)	46.2	42.0 - 50.3	41.6	37.9 - 45.4	43.1	39.2 - 47.0	
RDW-CV (%)	16.8	15.4 - 18.1	13.7	12.9 - 14.5	13.4	12.6 - 14.2	
MPV (fL)	8.8	7.7 - 10.0	9.2	8.4 - 9.9	9.3	8.7 - 10.0	
WBC (10 ⁹ /L)	2.84	2.50 - 3.18	6.35	5.78 - 6.92	15.73	14.47 - 16.98	
NEUT%	45.7	39.3 - 52.1	49.5	44.6 - 54.5	52.5	47.3 - 57.8	
LYMPH%	36.1	29.6 - 42.6	32.5	27.6 - 37.3	28.1	23.9 - 32.4	
MONO%	8.7	4.0 - 13.4	8.0	4.9 - 11.1	8.0	4.9 - 11.2	
EO%	9.5	5.9 - 13.1	10.0	6.3 - 13.8	11.3	7.2 - 15.4	
BASO%	64.8	57.6 - 71.9	69.5	64.7 - 74.4	73.2	69.5 - 76.8	
NEUT# (10 ⁹ /L)	1.30	1.04 - 1.56	3.14	2.67 - 3.62	8.26	7.19 - 9.33	
LYMPH# (10 ⁹ /L)	1.03	0.79 - 1.26	2.06	1.67 - 2.45	4.43	3.67 - 5.18	
MONO# (10 ⁹ /L)	0.25	0.11 - 0.39	0.51	0.29 - 0.72	1.26	0.76 - 1.77	
EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.64	0.39 - 0.89	1.78	1.12 - 2.44	
BASO# (10 ⁹ /L)	1.84	1.51 - 2.17	4.42	3.84 - 4.99	11.51	10.36 - 12.66	
NRBC# (10 ⁹ /L)	2.80	2.33 - 3.28	6.38	5.55 - 7.20	16.75	14.74 - 18.76	
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)	64	42 - 85	237	197 - 278	561	477 - 646	
RET# (10 ¹² /L)	0.1263	0.0872 - 0.1655	0.1055	0.0738 - 0.1371	0.0540	0.0389 - 0.0692	
RET%	5.50	3.96 - 7.03	2.44	1.78 - 3.10	1.05	0.68 - 1.42	
IRF (%)	26.7	4.5 - 48.9	24.9	2.0 - 47.8	19.2	1.0 - 37.5	
^a IG (#)	0.30	0.22 - 0.37	0.73	0.58 - 0.89	1.92	1.54 - 2.31	
^a IG (%)	10.43	8.24 - 12.61	11.56	9.36 - 13.75	12.23	9.90 - 14.55	
^b HPC (#)	0.012	0.008 - 0.015	0.030	0.022 - 0.037	0.084	0.063 - 0.105	
^c RET-He (pg)	22.7	19.6 - 25.9	23.5	20.2 - 26.8	25.1	21.1 - 29.2	
^d IPF (%)	21.6	17.5 - 25.7	22.2	18.0 - 26.4	21.8	17.6 - 25.9	

^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.

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e-CHECK™

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

OPEN MODE ASSAY

Expiration Date:		2021-09-27		Quality Control Data Due Date #1: 16-Aug-21		Quality Control Data Due Date #2: 27-Sep-21	
Lot Number:		11880801		11880802		11880803	
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	2.21 - 2.40	4.33	4.16 - 4.51	5.23	5.02 - 5.44	
HGB (g/dL)	5.7	5.4 - 5.9	12.4	12.1 - 12.8	16.4	15.9 - 16.9	
HCT (%)	17.5	16.4 - 18.5	36.8	35.0 - 38.7	48.0	45.6 - 50.4	
MCV (fL)	75.7	71.2 - 80.3	85.0	80.7 - 89.2	91.8	87.2 - 96.4	
MCH (pg)	24.5	22.8 - 26.2	28.7	27.0 - 30.4	31.4	29.8 - 33.0	
MCHC (g/dL)	32.3	29.4 - 35.3	33.8	31.4 - 36.2	34.2	31.8 - 36.6	
PLT (10 ⁹ /L)	62	46 - 78	240	214 - 266	558	513 - 603	
RDW-SD (fL)	46.7	42.0 - 51.4	42.5	38.3 - 46.8	44.0	38.7 - 49.3	
RDW-CV (%)	17.2	15.5 - 18.9	14.3	13.2 - 15.4	13.9	12.7 - 15.0	
MPV (fL)	9.0	7.9 - 10.2	9.3	8.7 - 10.0	9.6	9.1 - 10.1	
WBC (10 ⁹ /L)	2.88	2.48 - 3.28	6.97	6.27 - 7.67	16.71	15.20 - 18.21	
NEUT%	44.7	38.5 - 51.0	48.5	43.7 - 53.4	51.6	46.9 - 56.2	
LYMPH%	34.3	26.4 - 42.2	30.9	25.7 - 36.2	27.3	23.8 - 30.9	
MONO%	11.3	4.1 - 18.5	10.4	5.8 - 14.9	10.4	6.3 - 14.4	
EO%	9.7	6.1 - 13.3	10.2	6.5 - 13.9	10.7	7.0 - 14.5	
BASO%	65.9	59.3 - 72.5	68.5	64.4 - 72.6	76.5	72.7 - 80.3	
NEUT# (10 ⁹ /L)	1.29	1.03 - 1.55	3.38	2.88 - 3.89	8.62	7.50 - 9.74	
LYMPH# (10 ⁹ /L)	0.99	0.72 - 1.25	2.15	1.72 - 2.59	4.56	3.83 - 5.29	
MONO# (10 ⁹ /L)	0.32	0.11 - 0.54	0.72	0.40 - 1.05	1.73	1.04 - 2.43	
EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.71	0.45 - 0.97	1.79	1.15 - 2.44	
BASO# (10 ⁹ /L)	1.90	1.56 - 2.24	4.77	4.20 - 5.35	12.78	11.50 - 14.05	
PLT-O (10 ⁹ /L)	58	38 - 78	230	186 - 273	580	487 - 672	
RET# (10 ¹² /L)	0.1193	0.0847 - 0.1539	0.0865	0.0571 - 0.1159	0.0440	0.0264 - 0.0616	
RET%	5.17	3.83 - 6.52	2.00	1.42 - 2.57	0.84	0.50 - 1.19	
IRF (%)	39.6	10.3 - 68.9	34.5	6.6 - 62.5	25.0	3.0 - 46.9	
^a IG (#)	0.34	0.26 - 0.42	0.92	0.74 - 1.10	2.33	1.35 - 3.31	
^a IG (%)	11.82	9.45 - 14.18	13.19	10.81 - 15.56	13.95	8.09 - 19.81	
^c RET-He (pg)	23.2	20.8 - 25.5	23.3	21.0 - 25.7	23.7	20.4 - 27.0	

^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



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

CLOSED MODE ASSAY

Expiration Date:		2021-09-27		Quality Control Data Due Date #1: 16-Aug-21		Quality Control Data Due Date #2: 27-Sep-21	
Lot Number:		11880801		11880802		11880803	
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	2.21 - 2.40	4.33	4.16 - 4.51	5.12	4.92 - 5.33	
HGB (g/dL)	5.7	5.4 - 5.9	12.6	12.2 - 12.9	16.3	15.8 - 16.7	
HCT (%)	17.5	16.4 - 18.5	36.8	35.0 - 38.7	48.0	45.6 - 50.4	
MCV (fL)	75.7	71.2 - 80.3	85.0	80.7 - 89.2	93.7	89.0 - 98.3	
MCH (pg)	24.5	22.8 - 26.2	29.0	27.3 - 30.7	31.7	30.1 - 33.3	
MCHC (g/dL)	32.3	29.4 - 35.3	34.1	31.7 - 36.5	33.9	31.5 - 36.2	
PLT (10 ⁹ /L)	63	46 - 79	233	207 - 258	513	472 - 554	
RDW-SD (fL)	46.7	42.0 - 51.4	42.5	38.3 - 46.8	44.0	38.7 - 49.3	
RDW-CV (%)	17.2	15.5 - 18.9	14.3	13.2 - 15.4	13.9	12.7 - 15.0	
MPV (fL)	9.0	7.9 - 10.2	9.3	8.7 - 10.0	9.6	9.1 - 10.1	
WBC (10 ⁹ /L)	2.88	2.48 - 3.28	6.76	6.09 - 7.44	16.20	14.75 - 17.66	
NEUT%	44.9	38.6 - 51.2	48.5	43.7 - 53.4	52.5	47.8 - 57.2	
LYMPH%	34.3	26.4 - 42.2	30.9	25.7 - 36.2	27.0	23.5 - 30.6	
MONO%	11.3	4.1 - 18.5	10.2	5.7 - 14.6	10.0	6.1 - 13.8	
EO%	9.5	6.0 - 13.0	10.4	6.7 - 14.2	10.5	6.8 - 14.2	
BASO%	65.3	58.7 - 71.8	67.8	63.7 - 71.9	75.7	71.9 - 79.5	
NEUT# (10 ⁹ /L)	1.29	1.04 - 1.55	3.28	2.79 - 3.77	8.50	7.40 - 9.61	
LYMPH# (10 ⁹ /L)	0.99	0.72 - 1.25	2.09	1.67 - 2.51	4.38	3.68 - 5.08	
MONO# (10 ⁹ /L)	0.32	0.11 - 0.54	0.69	0.38 - 1.00	1.61	0.97 - 2.26	
EO# (10 ⁹ /L)	0.27	0.17 - 0.38	0.70	0.44 - 0.96	1.70	1.09 - 2.32	
BASO# (10 ⁹ /L)	1.88	1.54 - 2.22	4.59	4.04 - 5.14	12.27	11.04 - 13.49	
PLT-O (10 ⁹ /L)	58	38 - 78	230	186 - 273	562	472 - 652	
RET# (10 ¹² /L)	0.1074	0.0762 - 0.1385	0.0865	0.0571 - 0.1159	0.0431	0.0259 - 0.0604	
RET%	4.66	3.44 - 5.87	2.00	1.42 - 2.57	0.84	0.50 - 1.19	
IRF (%)	39.6	10.3 - 68.9	34.5	6.6 - 62.5	25.0	3.0 - 46.9	
^a IG (#)	0.35	0.27 - 0.43	0.91	0.73 - 1.09	2.31	1.34 - 3.27	
^a IG (%)	12.05	9.64 - 14.46	13.45	11.03 - 15.87	14.23	8.25 - 20.20	
^c RET-He (pg)	23.2	20.8 - 25.5	23.3	21.0 - 25.7	23.7	20.4 - 27.0	

^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.

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