



e-CHECK™

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

Table with columns: Expiration Date (2024-12-16), Lot Number (42690801, 42690802, 42690803), Control (L1:Level 1, L2:Level 2, L3:Level 3), and Parameters (RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, MPV, WBC, NEUT%, LYMPH%, MONO%, EO%, BASO%, NEUT#, LYMPH#, MONO#, EO#, BASO#, NRBC#, NRBC%, PLT-O, RET#, RET%, IRF, aIG, bHPC, cRET-He, dIPF).

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

Table with columns: Expiration Date (2024-12-16), Lot Number (42690801, 42690802, 42690803), Control (L1:Level 1, L2:Level 2, L3:Level 3), and Parameters (RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, MPV, WBC, NEUT%, LYMPH%, MONO%, EO%, BASO%, NEUT#, LYMPH#, MONO#, EO#, BASO#, NRBC#, NRBC%, PLT-O, RET#, RET%, IRF, aIG, bHPC, cRET-He, dIPF).

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

OPEN MODE ASSAY

Expiration Date:		2024-12-16		Quality Control Data Due Date #1: 04-Nov-24		Quality Control Data Due Date #2: 16-Dec-24	
Lot Number:		42690801		42690802		42690803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.29	2.20 - 2.38	4.40	4.22 - 4.57	5.31	5.10 - 5.53	
HGB (g/dL)	5.4	5.2 - 5.6	12.5	12.1 - 12.9	16.4	15.9 - 16.9	
HCT (%)	16.9	15.9 - 17.9	36.9	35.1 - 38.8	47.8	45.4 - 50.2	
MCV (fL)	73.7	69.3 - 78.2	84.0	79.8 - 88.1	89.9	85.4 - 94.4	
MCH (pg)	23.5	21.9 - 25.2	28.4	26.7 - 30.1	30.8	29.3 - 32.4	
MCHC (g/dL)	31.9	29.1 - 34.8	33.8	31.4 - 36.2	34.3	31.9 - 36.7	
PLT (10 ⁹ /L)	60	44 - 75	222	198 - 246	528	486 - 570	
RDW-SD (fL)	48.2	43.4 - 53.0	42.8	38.5 - 47.0	43.0	37.8 - 48.2	
RDW-CV (%)	18.3	16.4 - 20.1	14.5	13.3 - 15.7	13.9	12.8 - 15.0	
MPV (fL)	9.6	8.3 - 10.8	9.8	9.1 - 10.4	10.0	9.5 - 10.5	
WBC (10 ⁹ /L)	2.90	2.49 - 3.31	6.59	5.93 - 7.25	16.84	15.32 - 18.35	
NEUT%	44.1	38.0 - 50.3	48.1	43.3 - 52.9	53.7	48.9 - 58.5	
LYMPH%	36.9	28.4 - 45.4	30.9	25.6 - 36.1	24.5	21.3 - 27.7	
MONO%	9.6	3.5 - 15.8	10.7	6.0 - 15.3	10.7	6.5 - 14.8	
EO%	9.3	5.9 - 12.8	10.4	6.6 - 14.1	11.1	7.2 - 15.0	
BASO%	62.6	56.3 - 68.8	68.2	64.2 - 72.3	78.9	74.9 - 82.8	
NEUT# (10 ⁹ /L)	1.28	1.02 - 1.54	3.17	2.69 - 3.64	9.04	7.87 - 10.22	
LYMPH# (10 ⁹ /L)	1.07	0.78 - 1.36	2.03	1.63 - 2.44	4.12	3.46 - 4.78	
MONO# (10 ⁹ /L)	0.28	0.09 - 0.46	0.70	0.39 - 1.02	1.79	1.08 - 2.51	
EO# (10 ⁹ /L)	0.27	0.17 - 0.38	0.68	0.43 - 0.94	1.87	1.20 - 2.55	
BASO# (10 ⁹ /L)	1.81	1.49 - 2.14	4.50	3.96 - 5.03	13.28	11.95 - 14.61	
PLT-O (10 ⁹ /L)	53	34 - 71	217	176 - 258	525	441 - 609	
RET# (10 ¹² /L)	0.1314	0.0933 - 0.1695	0.0909	0.0600 - 0.1219	0.0459	0.0275 - 0.0643	
RET%	5.74	4.25 - 7.23	2.07	1.47 - 2.67	0.86	0.51 - 1.22	
IRF (%)	41.6	10.8 - 72.4	37.1	7.0 - 67.2	25.1	3.0 - 47.2	
^a IG (#)	0.35	0.27 - 0.43	0.85	0.68 - 1.02	2.42	1.40 - 3.44	
^a IG (%)	12.02	9.61 - 14.42	12.96	10.63 - 15.29	14.37	8.33 - 20.41	
^b RET-He (pg) ^b	25.5	23.0 - 28.1	25.7	23.2 - 28.3	25.3	21.8 - 28.9	

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

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

CLOSED MODE ASSAY

Expiration Date:		2024-12-16		Quality Control Data Due Date #1: 04-Nov-24		Quality Control Data Due Date #2: 16-Dec-24	
Lot Number:		42690801		42690802		42690803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.29	2.20 - 2.38	4.40	4.22 - 4.57	5.21	5.00 - 5.42	
HGB (g/dL)	5.4	5.2 - 5.6	12.6	12.2 - 13.0	16.2	15.7 - 16.7	
HCT (%)	16.9	15.9 - 17.9	36.9	35.1 - 38.8	47.8	45.4 - 50.2	
MCV (fL)	73.7	69.3 - 78.2	84.0	79.8 - 88.1	91.7	87.2 - 96.3	
MCH (pg)	23.5	21.9 - 25.2	28.7	26.9 - 30.4	31.2	29.6 - 32.7	
MCHC (g/dL)	31.9	29.1 - 34.8	34.2	31.8 - 36.5	34.0	31.6 - 36.3	
PLT (10 ⁹ /L)	60	45 - 76	215	192 - 239	486	447 - 524	
RDW-SD (fL)	48.2	43.4 - 53.0	42.8	38.5 - 47.0	43.0	37.8 - 48.2	
RDW-CV (%)	18.3	16.4 - 20.1	14.5	13.3 - 15.7	13.9	12.8 - 15.0	
MPV (fL)	9.6	8.3 - 10.8	9.8	9.1 - 10.4	10.0	9.5 - 10.5	
WBC (10 ⁹ /L)	2.90	2.49 - 3.31	6.39	5.75 - 7.03	16.33	14.86 - 17.80	
NEUT%	44.3	38.1 - 50.5	48.1	43.3 - 52.9	54.6	49.7 - 59.5	
LYMPH%	36.9	28.4 - 45.4	30.9	25.6 - 36.1	24.3	21.1 - 27.4	
MONO%	9.6	3.5 - 15.8	10.4	5.8 - 15.0	10.2	6.2 - 14.2	
EO%	9.2	5.8 - 12.5	10.6	6.8 - 14.4	10.9	7.1 - 14.7	
BASO%	61.9	55.7 - 68.1	67.6	63.5 - 71.6	78.1	74.2 - 82.0	
NEUT# (10 ⁹ /L)	1.29	1.03 - 1.54	3.07	2.61 - 3.53	8.92	7.76 - 10.08	
LYMPH# (10 ⁹ /L)	1.07	0.78 - 1.36	1.97	1.58 - 2.37	3.96	3.33 - 4.59	
MONO# (10 ⁹ /L)	0.28	0.09 - 0.46	0.67	0.37 - 0.97	1.67	1.00 - 2.34	
EO# (10 ⁹ /L)	0.27	0.16 - 0.37	0.68	0.43 - 0.93	1.78	1.14 - 2.42	
BASO# (10 ⁹ /L)	1.80	1.47 - 2.12	4.32	3.80 - 4.83	12.75	11.48 - 14.03	
PLT-O (10 ⁹ /L)	53	34 - 71	217	176 - 258	509	428 - 591	
RET# (10 ¹² /L)	0.1183	0.0840 - 0.1525	0.0909	0.0600 - 0.1219	0.0450	0.0270 - 0.0630	
RET%	5.17	3.82 - 6.51	2.07	1.47 - 2.67	0.86	0.51 - 1.22	
IRF (%)	41.6	10.8 - 72.4	37.1	7.0 - 67.2	25.1	3.0 - 47.2	
^a IG (#)	0.36	0.27 - 0.44	0.84	0.68 - 1.01	2.39	1.39 - 3.40	
^a IG (%)	12.26	9.80 - 14.71	13.22	10.84 - 15.60	14.66	8.50 - 20.81	
^b RET-He (pg) ^b	25.5	23.0 - 28.1	25.7	23.2 - 28.3	25.3	21.8 - 28.9	

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

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