



e-CHECK™

**HEMATOLOGY CONTROL FOR SYSMEX XE-2100D™ ANALYZERS IN BLOOD CENTERS
OPEN MODE ASSAY**

Expiration Date:		2022-08-29		Quality Control Data Due Date #1: 18-Jul-22		Quality Control Data Due Date #2: 29-Aug-22	
Lot Number:		21590801		21590802		21590803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
OPEN	RBC (10 ¹² /L)	2.44	2.34 - 2.54	4.37	4.24 - 4.50	5.30	5.14 - 5.46
	HGB (g/dL)	5.5	5.3 - 5.7	12.6	12.2 - 13.0	16.5	16.0 - 17.0
	HCT (%)	16.8	15.8 - 17.9	36.3	34.5 - 38.1	46.7	44.4 - 49.1
	MCV (fL)	69.1	64.9 - 73.2	83.0	78.0 - 88.0	88.1	83.7 - 92.5
	MCH (pg)	22.6	21.4 - 23.7	28.8	27.7 - 30.0	31.2	29.9 - 32.4
	MCHC (g/dL)	32.7	30.0 - 35.3	34.7	32.3 - 37.1	35.4	32.9 - 37.8
	PLT (10 ⁹ /L)	66	51 - 81	244	219 - 268	598	550 - 645
	RDW-SD (fL)	46.6	42.4 - 50.8	44.1	40.1 - 48.0	42.9	39.1 - 46.8
	RDW-CV (%)	18.5	17.0 - 20.0	14.6	13.7 - 15.5	13.5	12.7 - 14.3
	MPV (fL)	9.4	8.2 - 10.6	9.8	9.0 - 10.5	9.9	9.2 - 10.6
	WBC (10 ⁹ /L)	3.03	2.67 - 3.40	7.05	6.42 - 7.69	17.05	15.68 - 18.41
	NEUT%	43.8	37.7 - 49.9	48.6	43.8 - 53.5	53.0	47.7 - 58.3
	LYMPH%	37.7	30.9 - 44.4	31.9	27.1 - 36.7	27.1	23.0 - 31.2
	MONO%	9.3	4.3 - 14.3	9.2	5.6 - 12.8	8.8	5.4 - 12.3
	EO%	9.3	5.7 - 12.8	10.2	6.4 - 14.0	11.1	7.1 - 15.1
	BASO%	62.9	56.0 - 69.8	69.1	64.3 - 74.0	74.5	70.8 - 78.3
	NEUT# (10 ⁹ /L)	1.33	1.06 - 1.59	3.43	2.92 - 3.95	9.03	7.85 - 10.20
	LYMPH# (10 ⁹ /L)	1.14	0.88 - 1.41	2.25	1.82 - 2.68	4.62	3.83 - 5.40
	MONO# (10 ⁹ /L)	0.28	0.12 - 0.44	0.65	0.38 - 0.92	1.50	0.90 - 2.10
	EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.72	0.44 - 1.00	1.90	1.20 - 2.60
BASO# (10 ⁹ /L)	1.91	1.56 - 2.25	4.88	4.24 - 5.51	12.71	11.44 - 13.98	

OPEN



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**HEMATOLOGY CONTROL FOR SYSMEX XE-2100D™ ANALYZERS IN BLOOD CENTERS
CLOSED MODE ASSAY**

Expiration Date:		2022-08-29		Quality Control Data Due Date #1: 18-Jul-22		Quality Control Data Due Date #2: 29-Aug-22	
Lot Number:		21590801		21590802		21590803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
CLOSED	RBC (10 ¹² /L)	2.44	2.34 - 2.54	4.37	4.24 - 4.50	5.25	5.09 - 5.41
	HGB (g/dL)	5.5	5.3 - 5.7	12.5	12.2 - 12.9	16.4	15.9 - 16.9
	HCT (%)	16.8	15.8 - 17.9	36.3	34.5 - 38.1	46.7	44.4 - 49.1
	MCV (fL)	69.1	64.9 - 73.2	83.0	78.0 - 88.0	89.0	84.6 - 93.5
	MCH (pg)	22.7	21.5 - 23.8	28.7	27.5 - 29.8	31.2	29.9 - 32.4
	MCHC (g/dL)	32.8	30.2 - 35.4	34.5	32.1 - 37.0	35.0	32.6 - 37.5
	PLT (10 ⁹ /L)	66	51 - 81	239	215 - 263	562	517 - 607
	RDW-SD (fL)	46.1	42.0 - 50.3	43.6	39.7 - 47.5	42.9	39.1 - 46.8
	RDW-CV (%)	18.3	16.8 - 19.8	14.5	13.6 - 15.3	13.5	12.7 - 14.3
	MPV (fL)	9.4	8.2 - 10.6	9.8	9.0 - 10.5	9.9	9.2 - 10.6
	WBC (10 ⁹ /L)	2.94	2.59 - 3.29	6.63	6.03 - 7.23	16.71	15.37 - 18.04
	NEUT%	44.3	38.1 - 50.6	48.8	44.0 - 53.7	53.5	48.1 - 58.8
	LYMPH%	37.3	30.6 - 44.0	32.6	27.7 - 37.5	26.8	22.8 - 30.8
	MONO%	9.2	4.2 - 14.2	8.5	5.2 - 11.8	8.6	5.2 - 11.9
	EO%	9.2	5.7 - 12.6	10.1	6.4 - 13.9	11.1	7.1 - 15.1
	BASO%	62.9	56.0 - 69.8	69.8	64.9 - 74.7	74.5	70.8 - 78.3
	NEUT# (10 ⁹ /L)	1.30	1.04 - 1.57	3.24	2.75 - 3.72	8.94	7.78 - 10.10
	LYMPH# (10 ⁹ /L)	1.10	0.84 - 1.35	2.16	1.75 - 2.57	4.48	3.72 - 5.24
	MONO# (10 ⁹ /L)	0.27	0.12 - 0.42	0.56	0.33 - 0.80	1.43	0.86 - 2.00
	EO# (10 ⁹ /L)	0.27	0.16 - 0.38	0.67	0.41 - 0.93	1.86	1.17 - 2.55
BASO# (10 ⁹ /L)	1.85	1.52 - 2.18	4.63	4.03 - 5.23	12.45	11.21 - 13.70	

CLOSED



e-CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XE-2100C™ and XE-2100DC™ ANALYZERS

For analyzers utilizing the Cell Sheath C, CSC-300A reagent

OPEN MODE ASSAY

Table with columns: Expiration Date (2022-08-29), Lot Number (21590801, 21590802, 21590803), 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 (#), aIG (%), cRET-He (pg), 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-2100C™ and XE-2100DC™ ANALYZERS

For analyzers utilizing the Cell Sheath C, CSC-300A reagent

CLOSED MODE ASSAY

Table with columns: Expiration Date (2022-08-29), Lot Number (21590801, 21590802, 21590803), 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 (#), aIG (%), cRET-He (pg), dIPF (%)).

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