



e-CHECK™

**HEMATOLOGY CONTROL FOR SYSMEX XE-2100D™ ANALYZERS IN BLOOD CENTERS
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	
O P E N	RBC (10 ¹² /L)	2.30	2.20 - 2.39	4.40	4.27 - 4.53	5.29	5.13 - 5.44
	HGB (g/dL)	5.4	5.2 - 5.6	12.5	12.1 - 12.9	16.4	15.9 - 16.9
	HCT (%)	16.6	15.6 - 17.6	36.5	34.6 - 38.3	46.7	44.4 - 49.1
	MCV (fL)	72.4	68.1 - 76.8	82.9	77.9 - 87.9	88.4	84.0 - 92.9
	MCH (pg)	23.5	22.3 - 24.7	28.4	27.3 - 29.6	31.1	29.8 - 32.3
	MCHC (g/dL)	32.5	29.9 - 35.1	34.3	31.9 - 36.7	35.1	32.7 - 37.6
	PLT (10 ⁹ /L)	60	46 - 73	239	216 - 263	568	523 - 613
	RDW-SD (fL)	47.3	43.0 - 51.5	42.5	38.6 - 46.3	43.1	39.2 - 47.0
	RDW-CV (%)	18.2	16.8 - 19.7	14.1	13.3 - 15.0	13.6	12.8 - 14.4
	MPV (fL)	9.2	8.0 - 10.4	9.6	8.8 - 10.3	9.7	9.0 - 10.4
	WBC (10 ⁹ /L)	2.94	2.59 - 3.30	6.51	5.92 - 7.10	16.50	15.18 - 17.82
	NEUT%	43.4	37.3 - 49.5	48.9	44.0 - 53.8	53.9	48.5 - 59.3
	LYMPH%	38.6	31.7 - 45.6	31.4	26.7 - 36.1	25.8	21.9 - 29.6
	MONO%	8.6	3.9 - 13.2	9.4	5.8 - 13.1	9.0	5.5 - 12.6
	EO%	9.4	5.8 - 13.0	10.3	6.5 - 14.1	11.3	7.2 - 15.4
	BASO%	61.8	55.0 - 68.6	68.7	63.9 - 73.5	75.3	71.5 - 79.0
NEUT# (10 ⁹ /L)	1.28	1.02 - 1.53	3.19	2.71 - 3.66	8.89	7.73 - 10.04	
LYMPH# (10 ⁹ /L)	1.14	0.88 - 1.40	2.04	1.65 - 2.43	4.25	3.53 - 4.98	
MONO# (10 ⁹ /L)	0.25	0.11 - 0.39	0.61	0.36 - 0.87	1.49	0.89 - 2.09	
EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.67	0.41 - 0.93	1.87	1.18 - 2.56	
BASO# (10 ⁹ /L)	1.82	1.49 - 2.15	4.47	3.89 - 5.06	12.42	11.18 - 13.66	



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**HEMATOLOGY CONTROL FOR SYSMEX XE-2100D™ ANALYZERS IN BLOOD CENTERS
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	
C L O S E D	RBC (10 ¹² /L)	2.30	2.20 - 2.39	4.40	4.27 - 4.53	5.23	5.08 - 5.39
	HGB (g/dL)	5.4	5.2 - 5.6	12.4	12.1 - 12.8	16.3	15.8 - 16.7
	HCT (%)	16.6	15.6 - 17.6	36.5	34.6 - 38.3	46.7	44.4 - 49.1
	MCV (fL)	72.4	68.1 - 76.8	82.9	77.9 - 87.9	89.3	84.9 - 93.8
	MCH (pg)	23.6	22.5 - 24.8	28.3	27.2 - 29.4	31.1	29.8 - 32.3
	MCHC (g/dL)	32.6	30.0 - 35.2	34.1	31.7 - 36.5	34.8	32.3 - 37.2
	PLT (10 ⁹ /L)	60	46 - 73	235	211 - 258	534	491 - 577
	RDW-SD (fL)	46.8	42.6 - 51.0	42.0	38.2 - 45.8	43.1	39.2 - 47.0
	RDW-CV (%)	18.0	16.6 - 19.5	14.0	13.1 - 14.8	13.6	12.8 - 14.4
	MPV (fL)	9.2	8.0 - 10.4	9.6	8.8 - 10.3	9.7	9.0 - 10.4
	WBC (10 ⁹ /L)	2.86	2.51 - 3.20	6.12	5.57 - 6.67	16.17	14.87 - 17.46
	NEUT%	44.0	37.8 - 50.1	49.2	44.2 - 54.1	54.4	49.0 - 59.8
	LYMPH%	38.2	31.4 - 45.1	32.0	27.2 - 36.8	25.5	21.7 - 29.3
	MONO%	8.5	3.9 - 13.0	8.7	5.3 - 12.1	8.8	5.3 - 12.2
	EO%	9.3	5.8 - 12.9	10.2	6.4 - 13.9	11.3	7.2 - 15.4
	BASO%	61.8	55.0 - 68.6	69.4	64.5 - 74.3	75.3	71.5 - 79.0
NEUT# (10 ⁹ /L)	1.26	1.00 - 1.51	3.01	2.56 - 3.46	8.80	7.65 - 9.94	
LYMPH# (10 ⁹ /L)	1.09	0.84 - 1.34	1.96	1.59 - 2.33	4.13	3.42 - 4.83	
MONO# (10 ⁹ /L)	0.24	0.11 - 0.38	0.53	0.31 - 0.75	1.42	0.85 - 1.98	
EO# (10 ⁹ /L)	0.27	0.16 - 0.37	0.62	0.38 - 0.86	1.83	1.15 - 2.51	
BASO# (10 ⁹ /L)	1.76	1.45 - 2.08	4.25	3.70 - 4.80	12.17	10.95 - 13.39	