



**e-CHECK™**

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

Expiration Date:		2024-10-21		Quality Control Data Due Date #1: 09-Sep-24		Quality Control Data Due Date #2: 21-Oct-24	
Lot Number:		42130801		42130802		42130803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>O P E N</b>	RBC (10 <sup>12</sup> /L)	2.30	2.21 - 2.39	4.38	4.25 - 4.51	5.23	5.08 - 5.39
	HGB (g/dL)	5.3	5.1 - 5.5	11.4	11.1 - 11.7	15.8	15.3 - 16.3
	HCT (%)	16.4	15.4 - 17.4	33.4	31.8 - 35.1	45.4	43.1 - 47.6
	MCV (fL)	71.3	67.0 - 75.6	76.4	71.8 - 81.0	86.6	82.3 - 91.0
	MCH (pg)	23.2	22.0 - 24.3	26.0	25.0 - 27.1	30.2	29.0 - 31.4
	MCHC (g/dL)	32.5	29.9 - 35.1	34.1	31.7 - 36.5	34.9	32.4 - 37.3
	PLT (10 <sup>9</sup> /L)	59	45 - 73	235	212 - 259	565	520 - 611
	RDW-SD (fL)	44.5	40.5 - 48.5	45.1	41.0 - 49.1	42.4	38.6 - 46.2
	RDW-CV (%)	17.2	15.8 - 18.5	16.4	15.4 - 17.3	13.6	12.8 - 14.4
	MPV (fL)	9.1	7.9 - 10.3	9.3	8.6 - 10.1	9.5	8.8 - 10.1
	WBC (10 <sup>9</sup> /L)	3.07	2.70 - 3.43	6.90	6.28 - 7.52	16.36	15.05 - 17.67
	NEUT%	44.5	38.2 - 50.7	47.9	43.1 - 52.7	53.2	47.9 - 58.5
	LYMPH%	36.9	30.3 - 43.6	31.7	27.0 - 36.5	27.3	23.2 - 31.4
	MONO%	9.1	4.2 - 14.0	9.9	6.1 - 13.8	8.4	5.1 - 11.7
	EO%	9.5	5.9 - 13.1	10.4	6.6 - 14.3	11.1	7.1 - 15.0
BASO%	63.0	56.1 - 69.9	69.5	64.6 - 74.3	73.7	70.0 - 77.4	
NEUT# (10 <sup>9</sup> /L)	1.36	1.09 - 1.64	3.30	2.81 - 3.80	8.70	7.57 - 9.84	
LYMPH# (10 <sup>9</sup> /L)	1.13	0.87 - 1.39	2.19	1.77 - 2.60	4.47	3.71 - 5.23	
MONO# (10 <sup>9</sup> /L)	0.28	0.12 - 0.44	0.68	0.40 - 0.97	1.38	0.83 - 1.93	
EO# (10 <sup>9</sup> /L)	0.29	0.17 - 0.41	0.72	0.44 - 1.00	1.81	1.14 - 2.48	
BASO# (10 <sup>9</sup> /L)	1.93	1.58 - 2.28	4.79	4.17 - 5.42	12.06	10.86 - 13.27	



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CLOSED MODE ASSAY**

Expiration Date:		2024-10-21		Quality Control Data Due Date #1: 09-Sep-24		Quality Control Data Due Date #2: 21-Oct-24	
Lot Number:		42130801		42130802		42130803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
<b>C L O S E D</b>	RBC (10 <sup>12</sup> /L)	2.30	2.21 - 2.39	4.38	4.25 - 4.51	5.18	5.03 - 5.34
	HGB (g/dL)	5.4	5.1 - 5.6	11.3	11.0 - 11.7	15.7	15.2 - 16.1
	HCT (%)	16.4	15.4 - 17.4	33.4	31.8 - 35.1	45.4	43.1 - 47.6
	MCV (fL)	71.3	67.0 - 75.6	76.4	71.8 - 81.0	87.5	83.1 - 91.9
	MCH (pg)	23.3	22.1 - 24.5	25.9	24.9 - 26.9	30.2	29.0 - 31.4
	MCHC (g/dL)	32.7	30.0 - 35.3	33.9	31.5 - 36.3	34.5	32.1 - 36.9
	PLT (10 <sup>9</sup> /L)	59	45 - 73	230	207 - 253	532	489 - 574
	RDW-SD (fL)	44.0	40.1 - 48.0	44.6	40.6 - 48.6	42.4	38.6 - 46.2
	RDW-CV (%)	17.0	15.6 - 18.3	16.2	15.2 - 17.2	13.6	12.8 - 14.4
	MPV (fL)	9.1	7.9 - 10.3	9.3	8.6 - 10.1	9.5	8.8 - 10.1
	WBC (10 <sup>9</sup> /L)	2.97	2.62 - 3.33	6.48	5.90 - 7.07	16.04	14.75 - 17.32
	NEUT%	45.0	38.7 - 51.3	48.2	43.3 - 53.0	53.7	48.3 - 59.1
	LYMPH%	36.5	30.0 - 43.1	32.4	27.5 - 37.2	27.0	23.0 - 31.1
	MONO%	9.0	4.2 - 13.9	9.1	5.6 - 12.7	8.2	5.0 - 11.4
	EO%	9.4	5.8 - 13.0	10.3	6.5 - 14.2	11.1	7.1 - 15.0
BASO%	63.0	56.1 - 69.9	70.2	65.3 - 75.1	73.7	70.0 - 77.4	
NEUT# (10 <sup>9</sup> /L)	1.34	1.07 - 1.61	3.12	2.65 - 3.59	8.61	7.49 - 9.73	
LYMPH# (10 <sup>9</sup> /L)	1.09	0.84 - 1.34	2.10	1.70 - 2.50	4.34	3.60 - 5.07	
MONO# (10 <sup>9</sup> /L)	0.27	0.12 - 0.42	0.59	0.34 - 0.84	1.31	0.79 - 1.84	
EO# (10 <sup>9</sup> /L)	0.28	0.17 - 0.39	0.67	0.41 - 0.93	1.77	1.12 - 2.43	
BASO# (10 <sup>9</sup> /L)	1.87	1.54 - 2.21	4.55	3.96 - 5.14	11.82	10.64 - 13.00	