



# e-CHECK™

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

Expiration Date:		2024-05-06		Quality Control Data Due Date #1: 25-Mar-24		Quality Control Data Due Date #2: 06-May-24	
Lot Number:		40450801		40450802		40450803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.36	2.26 - 2.45	4.32	4.19 - 4.45	5.26	5.11 - 5.42	
HGB (g/dL)	5.9	5.7 - 6.1	11.6	11.3 - 12.0	15.4	15.0 - 15.9	
HCT (%)	17.6	16.6 - 18.7	33.9	32.2 - 35.6	43.8	41.6 - 46.0	
MCV (fL)	74.9	70.4 - 79.4	78.4	73.7 - 83.1	83.2	79.0 - 87.3	
MCH (pg)	25.1	23.8 - 26.3	26.9	25.9 - 28.0	29.3	28.1 - 30.5	
MCHC (g/dL)	33.5	30.8 - 36.2	34.4	32.0 - 36.8	35.2	32.8 - 37.7	
PLT (10 <sup>9</sup> /L)	63	49 - 77	238	214 - 261	557	513 - 602	
RDW-SD (fL)	44.7	40.7 - 48.7	47.2	42.9 - 51.4	46.5	42.3 - 50.6	
RDW-CV (%)	16.4	15.1 - 17.7	16.6	15.6 - 17.6	15.5	14.5 - 16.4	
MPV (fL)	9.9	8.6 - 11.2	10.2	9.3 - 11.0	10.3	9.6 - 11.0	
WBC (10 <sup>9</sup> /L)	2.98	2.62 - 3.33	6.80	6.19 - 7.41	16.86	15.51 - 18.21	
NEUT%	45.2	38.9 - 51.5	48.5	43.7 - 53.4	52.2	47.0 - 57.5	
LYMPH%	36.3	29.8 - 42.8	32.1	27.3 - 36.9	27.4	23.2 - 31.5	
MONO%	8.7	4.0 - 13.4	9.0	5.5 - 12.5	9.7	5.9 - 13.5	
EO%	9.8	6.1 - 13.5	10.4	6.6 - 14.3	10.7	6.9 - 14.6	
BASO%	64.7	57.6 - 71.8	68.9	64.1 - 73.7	73.3	69.7 - 77.0	
NEUT# (10 <sup>9</sup> /L)	1.35	1.08 - 1.61	3.30	2.80 - 3.79	8.81	7.67 - 9.96	
LYMPH# (10 <sup>9</sup> /L)	1.08	0.83 - 1.33	2.18	1.77 - 2.60	4.61	3.83 - 5.40	
MONO# (10 <sup>9</sup> /L)	0.26	0.11 - 0.41	0.61	0.35 - 0.87	1.63	0.98 - 2.29	
EO# (10 <sup>9</sup> /L)	0.29	0.17 - 0.41	0.71	0.43 - 0.98	1.81	1.14 - 2.48	
BASO# (10 <sup>9</sup> /L)	1.93	1.58 - 2.27	4.68	4.07 - 5.29	12.37	11.13 - 13.61	

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# e-CHECK™

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

Expiration Date:		2024-05-06		Quality Control Data Due Date #1: 25-Mar-24		Quality Control Data Due Date #2: 06-May-24	
Lot Number:		40450801		40450802		40450803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 <sup>12</sup> /L)	2.36	2.26 - 2.45	4.32	4.19 - 4.45	5.21	5.05 - 5.37	
HGB (g/dL)	5.9	5.7 - 6.2	11.6	11.2 - 11.9	15.3	14.8 - 15.7	
HCT (%)	17.6	16.6 - 18.7	33.9	32.2 - 35.6	43.8	41.6 - 46.0	
MCV (fL)	74.9	70.4 - 79.4	78.4	73.7 - 83.1	84.0	79.8 - 88.2	
MCH (pg)	25.2	23.9 - 26.5	26.8	25.7 - 27.9	29.3	28.1 - 30.5	
MCHC (g/dL)	33.6	31.0 - 36.3	34.2	31.8 - 36.6	34.9	32.4 - 37.3	
PLT (10 <sup>9</sup> /L)	63	49 - 77	233	210 - 256	524	482 - 566	
RDW-SD (fL)	44.3	40.3 - 48.2	46.7	42.5 - 50.9	46.5	42.3 - 50.6	
RDW-CV (%)	16.3	15.0 - 17.6	16.4	15.5 - 17.4	15.5	14.5 - 16.4	
MPV (fL)	9.9	8.6 - 11.2	10.2	9.3 - 11.0	10.3	9.6 - 11.0	
WBC (10 <sup>9</sup> /L)	2.89	2.54 - 3.23	6.39	5.81 - 6.96	16.53	15.20 - 17.85	
NEUT%	45.7	39.3 - 52.2	48.7	43.8 - 53.6	52.8	47.5 - 58.1	
LYMPH%	35.9	29.5 - 42.4	32.7	27.8 - 37.6	27.1	23.0 - 31.1	
MONO%	8.6	4.0 - 13.3	8.3	5.0 - 11.5	9.4	5.7 - 13.1	
EO%	9.7	6.0 - 13.4	10.3	6.5 - 14.1	10.7	6.9 - 14.6	
BASO%	64.7	57.6 - 71.8	69.6	64.7 - 74.4	73.3	69.7 - 77.0	
NEUT# (10 <sup>9</sup> /L)	1.32	1.06 - 1.59	3.11	2.64 - 3.58	8.73	7.59 - 9.86	
LYMPH# (10 <sup>9</sup> /L)	1.04	0.80 - 1.28	2.09	1.69 - 2.49	4.48	3.71 - 5.24	
MONO# (10 <sup>9</sup> /L)	0.25	0.11 - 0.39	0.53	0.31 - 0.75	1.55	0.93 - 2.17	
EO# (10 <sup>9</sup> /L)	0.28	0.17 - 0.39	0.66	0.40 - 0.92	1.77	1.12 - 2.43	
BASO# (10 <sup>9</sup> /L)	1.87	1.53 - 2.20	4.44	3.87 - 5.02	12.12	10.91 - 13.33	

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