



e-CHECK™

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

Expiration Date:		2024-07-01		Quality Control Data Due Date #1: 20-May-24		Quality Control Data Due Date #2: 01-Jul-24	
Lot Number:		41010801		41010802		41010803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.34	2.25 - 2.44	4.39	4.25 - 4.52	5.27	5.11 - 5.43	
HGB (g/dL)	5.9	5.7 - 6.1	12.4	12.0 - 12.8	16.3	15.8 - 16.8	
HCT (%)	17.7	16.6 - 18.8	36.0	34.2 - 37.8	46.4	44.1 - 48.7	
MCV (fL)	75.6	71.0 - 80.1	82.1	77.1 - 87.0	88.1	83.6 - 92.5	
MCH (pg)	25.2	24.0 - 26.5	28.2	27.1 - 29.4	30.9	29.7 - 32.1	
MCHC (g/dL)	33.4	30.7 - 36.1	34.4	32.0 - 36.8	35.1	32.6 - 37.5	
PLT (10 ⁹ /L)	58	44 - 71	231	208 - 254	557	512 - 602	
RDW-SD (fL)	43.4	39.5 - 47.4	43.3	39.4 - 47.2	44.4	40.4 - 48.4	
RDW-CV (%)	15.9	14.7 - 17.2	14.7	13.8 - 15.5	14.2	13.3 - 15.0	
MPV (fL)	9.5	8.3 - 10.8	9.9	9.1 - 10.7	10.0	9.3 - 10.7	
WBC (10 ⁹ /L)	3.03	2.66 - 3.39	7.22	6.57 - 7.87	17.01	15.65 - 18.37	
NEUT%	43.5	37.4 - 49.6	48.5	43.6 - 53.3	53.8	48.4 - 59.2	
LYMPH%	38.6	31.7 - 45.6	32.2	27.4 - 37.1	26.6	22.6 - 30.6	
MONO%	8.3	3.8 - 12.8	8.7	5.3 - 12.1	8.5	5.2 - 11.8	
EO%	9.5	5.9 - 13.2	10.6	6.7 - 14.5	11.1	7.1 - 15.1	
BASO%	62.5	55.7 - 69.4	68.6	63.8 - 73.4	74.7	71.0 - 78.5	
NEUT# (10 ⁹ /L)	1.32	1.05 - 1.58	3.50	2.97 - 4.02	9.15	7.96 - 10.34	
LYMPH# (10 ⁹ /L)	1.17	0.90 - 1.44	2.33	1.88 - 2.77	4.52	3.75 - 5.29	
MONO# (10 ⁹ /L)	0.25	0.11 - 0.39	0.63	0.36 - 0.89	1.45	0.87 - 2.03	
EO# (10 ⁹ /L)	0.29	0.17 - 0.40	0.77	0.47 - 1.06	1.89	1.19 - 2.59	
BASO# (10 ⁹ /L)	1.89	1.55 - 2.23	4.95	4.31 - 5.59	12.71	11.44 - 13.99	

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e-CHECK™

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

Expiration Date:		2024-07-01		Quality Control Data Due Date #1: 20-May-24		Quality Control Data Due Date #2: 01-Jul-24	
Lot Number:		41010801		41010802		41010803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
RBC (10 ¹² /L)	2.34	2.25 - 2.44	4.39	4.25 - 4.52	5.22	5.06 - 5.37	
HGB (g/dL)	5.9	5.7 - 6.2	12.3	12.0 - 12.7	16.1	15.6 - 16.6	
HCT (%)	17.7	16.6 - 18.8	36.0	34.2 - 37.8	46.4	44.1 - 48.7	
MCV (fL)	75.6	71.0 - 80.1	82.1	77.1 - 87.0	88.9	84.5 - 93.4	
MCH (pg)	25.4	24.1 - 26.6	28.1	27.0 - 29.2	30.9	29.7 - 32.1	
MCHC (g/dL)	33.6	30.9 - 36.2	34.2	31.8 - 36.6	34.7	32.3 - 37.2	
PLT (10 ⁹ /L)	58	44 - 71	227	204 - 249	524	482 - 565	
RDW-SD (fL)	43.0	39.1 - 46.9	42.8	39.0 - 46.7	44.4	40.4 - 48.4	
RDW-CV (%)	15.8	14.5 - 17.0	14.5	13.6 - 15.4	14.2	13.3 - 15.0	
MPV (fL)	9.5	8.3 - 10.8	9.9	9.1 - 10.7	10.0	9.3 - 10.7	
WBC (10 ⁹ /L)	2.94	2.58 - 3.29	6.78	6.17 - 7.40	16.67	15.34 - 18.01	
NEUT%	44.1	37.9 - 50.3	48.6	43.8 - 53.5	54.3	48.9 - 59.7	
LYMPH%	38.2	31.3 - 45.1	32.9	28.0 - 37.8	26.3	22.4 - 30.2	
MONO%	8.2	3.8 - 12.7	8.0	4.9 - 11.1	8.3	5.0 - 11.5	
EO%	9.4	5.9 - 13.0	10.5	6.6 - 14.4	11.1	7.1 - 15.1	
BASO%	62.5	55.7 - 69.4	69.3	64.4 - 74.1	74.7	71.0 - 78.5	
NEUT# (10 ⁹ /L)	1.29	1.04 - 1.55	3.30	2.81 - 3.80	9.05	7.88 - 10.23	
LYMPH# (10 ⁹ /L)	1.12	0.86 - 1.38	2.23	1.81 - 2.66	4.38	3.64 - 5.13	
MONO# (10 ⁹ /L)	0.24	0.11 - 0.38	0.54	0.31 - 0.77	1.38	0.83 - 1.93	
EO# (10 ⁹ /L)	0.28	0.17 - 0.39	0.71	0.43 - 0.99	1.86	1.17 - 2.54	
BASO# (10 ⁹ /L)	1.84	1.51 - 2.17	4.70	4.09 - 5.31	12.46	11.21 - 13.71	

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