



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-SERIES (XN-10, XN-20) ANALYZERS

Expiration Date:	2024-07-14		Quality Control Data Due Date #1: 03-Jun-24		Quality Control Data Due Date #2: 14-Jul-24	
Lot Number:	41151101		41151102		41151103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.35	2.24 - 2.47	4.37	4.19 - 4.54	5.09	4.89 - 5.30
HGB (g/dL)	5.8	5.5 - 6.1	12.0	11.5 - 12.5	15.4	14.8 - 16.0
HCT (%)	16.6	15.5 - 17.8	34.3	32.2 - 36.4	42.9	40.4 - 45.5
MCV (fL)	70.7	66.5 - 74.9	78.6	73.8 - 83.3	84.3	79.2 - 89.3
MCH (pg)	24.5	22.5 - 26.4	27.4	25.5 - 29.4	30.2	28.4 - 32.0
MCHC (g/dL)	34.6	31.2 - 38.1	34.9	31.8 - 38.1	35.8	32.9 - 38.7
RDW-SD (fL)	49.9	46.9 - 52.8	47.6	44.8 - 50.5	47.5	43.7 - 51.3
RDW-CV (%)	19.7	18.5 - 20.9	16.8	15.8 - 17.8	15.5	14.2 - 16.7
PLT (10 ³ /μL)	89	55 - 122	236	198 - 274	537	467 - 607
PLT-F (10 ³ /μL)	84	61 - 107	230	168 - 292	507	390 - 623
IPF (%)	19.2	16.7 - 21.7	19.9	15.9 - 23.9	20.1	15.8 - 24.3
IPF#	16.2	14.1 - 18.3	44.7	35.7 - 53.6	100.1	79.1 - 121.2
MPV (fL)	8.3	7.0 - 9.7	9.8	9.0 - 10.6	9.7	8.9 - 10.4
WBC (10 ³ /μL)	3.03	2.73 - 3.33	6.88	6.40 - 7.36	16.80	15.79 - 17.81
NEUT# (10 ³ /μL)	1.21	1.00 - 1.43	3.02	2.60 - 3.44	8.08	7.03 - 9.14
LYMPH# (10 ³ /μL)	1.02	0.74 - 1.29	2.01	1.53 - 2.49	4.13	3.06 - 5.21
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.80	0.40 - 1.20	1.88	1.03 - 2.73
EO# (10 ³ /μL)	0.29	0.18 - 0.41	0.72	0.46 - 0.99	1.89	1.17 - 2.61
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.81	0.71 - 0.92
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.77	0.62 - 0.91	2.03	1.66 - 2.39
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.42	0.31 - 0.54	1.09	0.87 - 1.30
NEUT%	40.1	34.5 - 45.7	43.9	39.1 - 48.7	48.1	43.3 - 52.9
LYMPH%	33.6	25.2 - 42.0	29.2	22.8 - 35.6	24.6	18.5 - 30.8
MONO%	11.8	5.4 - 18.2	11.6	6.0 - 17.2	11.2	6.3 - 16.1
EO%	9.7	6.1 - 13.3	10.5	6.7 - 14.3	11.3	7.1 - 15.4
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.2	8.3 - 12.2	11.1	9.2 - 13.0	12.1	10.1 - 14.0
NRBC% (/100 WBC)	4.8	2.6 - 7.1	6.2	4.5 - 7.9	6.5	5.2 - 7.7
RET%	6.06	4.91 - 7.21	2.37	1.88 - 2.87	1.27	0.80 - 1.75
RET# (10 ⁶ /μL)	0.1426	0.1113 - 0.1740	0.1037	0.0840 - 0.1234	0.0649	0.0454 - 0.0844
IRF (%)	35.5	1.4 - 69.7	35.7	3.6 - 67.8	28.5	4.0 - 53.1
RET-He (pg)	25.2	21.7 - 28.8	26.1	22.7 - 29.5	27.5	23.4 - 31.6



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-07-14		Quality Control Data Due Date #1: 03-Jun-24		Quality Control Data Due Date #2: 14-Jul-24	
Lot Number:	41151101		41151102		41151103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.34	2.23 - 2.46	4.38	4.20 - 4.55	5.12	4.91 - 5.32
HGB (g/dL)	5.8	5.5 - 6.0	12.0	11.5 - 12.5	15.4	14.8 - 16.0
HCT (%)	16.7	15.5 - 17.9	34.4	32.3 - 36.5	43.2	40.6 - 45.8
MCV (fL)	71.2	66.9 - 75.5	78.6	73.9 - 83.3	84.4	79.3 - 89.4
MCH (pg)	24.5	22.6 - 26.5	27.4	25.5 - 29.3	30.1	28.2 - 31.9
MCHC (g/dL)	34.5	31.0 - 37.9	34.9	31.8 - 38.0	35.6	32.8 - 38.5
RDW-SD (fL)	50.9	47.9 - 54.0	47.9	45.1 - 50.8	47.3	43.5 - 51.1
RDW-CV (%)	19.8	18.6 - 21.0	16.9	15.9 - 17.9	15.5	14.3 - 16.8
PLT (10 ³ /μL)	90	63 - 117	238	204 - 271	538	479 - 597
MPV (fL)	8.4	7.3 - 9.4	9.8	9.0 - 10.6	9.6	8.9 - 10.3
WBC (10 ³ /μL)	3.25	2.83 - 3.67	7.61	6.85 - 8.38	18.57	17.08 - 20.05
NEUT# (10 ³ /μL)	1.20	0.98 - 1.42	3.04	2.62 - 3.47	8.10	7.05 - 9.16
LYMPH# (10 ³ /μL)	1.10	0.80 - 1.40	2.24	1.70 - 2.77	4.58	3.39 - 5.78
MONO# (10 ³ /μL)	0.34	0.15 - 0.54	0.77	0.39 - 1.16	1.87	1.03 - 2.70
EO# (10 ³ /μL)	0.31	0.19 - 0.42	0.76	0.48 - 1.04	1.96	1.21 - 2.70
BASO# (10 ³ /μL)	0.16	0.10 - 0.23	0.41	0.28 - 0.54	1.08	0.75 - 1.40
IG # (10 ³ /μL)	0.31	0.23 - 0.39	0.79	0.63 - 0.94	2.10	1.70 - 2.50
NEUT%	38.5	33.1 - 43.9	42.1	37.5 - 46.8	46.1	41.5 - 50.7
LYMPH%	35.3	26.5 - 44.2	31.0	24.2 - 37.8	26.1	19.5 - 32.6
MONO%	11.0	5.1 - 17.0	10.7	5.6 - 15.8	10.6	5.9 - 15.3
EO%	9.8	6.2 - 13.5	10.5	6.7 - 14.3	11.1	7.0 - 15.3
BASO%	5.3	3.4 - 7.1	5.7	4.0 - 7.4	6.1	4.4 - 7.9
IG (%)	9.9	7.9 - 12.0	10.9	8.7 - 13.1	11.9	9.9 - 14.0
RET%	7.32	5.42 - 9.23	2.76	2.04 - 3.47	1.36	0.90 - 1.82
RET# (10 ⁶ /μL)	0.1716	0.1253 - 0.2179	0.1206	0.0905 - 0.1508	0.0694	0.0451 - 0.0937
IRF (%)	29.4	1.2 - 57.6	29.8	3.0 - 56.7	27.3	3.8 - 50.8
RET-He (pg)	24.2	20.8 - 27.6	24.8	21.6 - 28.0	25.6	21.8 - 29.5



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-SERIES (XN-11, XN-21) ANALYZERS

Expiration Date:	2024-07-14		Quality Control Data Due Date #1: 03-Jun-24		Quality Control Data Due Date #2: 14-Jul-24	
Lot Number:	41151101		41151102		41151103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.40	2.28 - 2.52	4.40	4.23 - 4.58	5.16	4.95 - 5.36
HGB (g/dL)	5.75	5.47 - 6.04	11.99	11.51 - 12.47	15.43	14.81 - 16.05
HCT (%)	16.9	15.7 - 18.1	33.8	31.8 - 35.8	42.9	40.3 - 45.4
MCV (fL)	70.5	66.3 - 74.8	76.8	72.1 - 81.4	83.1	78.1 - 88.1
MCH (pg)	24.0	22.1 - 25.9	27.2	25.3 - 29.1	29.9	28.1 - 31.7
MCHC (g/dL)	34.1	30.6 - 37.5	35.5	32.3 - 38.7	36.0	33.1 - 38.9
RDW-SD (fL)	49.8	46.8 - 52.8	47.6	44.8 - 50.5	48.6	44.7 - 52.5
RDW-CV (%)	20.0	18.8 - 21.2	17.7	16.6 - 18.7	16.5	15.2 - 17.9
PLT (10 ³ /μL)	94	58 - 130	239	200 - 277	547	476 - 618
PLT-F (10 ³ /μL)	85	62 - 108	236	172 - 300	516	397 - 635
IPF (%)	19.2	16.7 - 21.7	19.8	15.8 - 23.7	19.9	15.7 - 24.1
IPF#	16.4	14.2 - 18.5	45.5	36.4 - 54.6	101.2	79.9 - 122.4
MPV (fL)	9.3	7.8 - 10.8	11.0	10.2 - 11.9	10.9	10.0 - 11.7
WBC (10 ³ /μL)	3.04	2.74 - 3.35	6.89	6.41 - 7.38	16.81	15.80 - 17.82
NEUT# (10 ³ /μL)	1.22	1.00 - 1.44	2.99	2.57 - 3.41	8.04	7.00 - 9.09
LYMPH# (10 ³ /μL)	1.02	0.75 - 1.30	2.04	1.55 - 2.53	4.20	3.10 - 5.29
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.79	0.39 - 1.18	1.84	1.01 - 2.67
EO# (10 ³ /μL)	0.30	0.18 - 0.41	0.74	0.47 - 1.01	1.92	1.19 - 2.65
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.39	0.81	0.71 - 0.92
IG # (10 ³ /μL)	0.31	0.25 - 0.38	0.76	0.61 - 0.90	2.02	1.66 - 2.38
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.42	0.31 - 0.54	1.08	0.86 - 1.30
NEUT%	40.2	34.6 - 45.8	43.4	38.6 - 48.2	47.8	43.1 - 52.6
LYMPH%	33.6	25.2 - 42.0	29.6	23.1 - 36.1	25.0	18.7 - 31.2
MONO%	11.7	5.4 - 18.0	11.4	6.0 - 16.9	11.0	6.1 - 15.8
EO%	9.7	6.1 - 13.3	10.7	6.9 - 14.6	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.2	8.3 - 12.2	11.0	9.1 - 12.9	12.0	10.1 - 13.9
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.1	4.4 - 7.8	6.4	5.2 - 7.7
RET%	5.71	4.62 - 6.79	2.21	1.75 - 2.68	1.22	0.77 - 1.67
RET# (10 ⁶ /μL)	0.1367	0.1066 - 0.1668	0.0974	0.0789 - 0.1159	0.0628	0.0440 - 0.0816
IRF (%)	36.1	1.4 - 70.7	35.7	3.6 - 67.8	28.5	4.0 - 53.1
RET-He (pg)	25.3	21.7 - 28.8	26.2	22.8 - 29.6	27.6	23.5 - 31.8