



# XN CHECK™

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

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12021101		12021102		12021103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 <sup>6</sup> /μL)	2.30	2.18 - 2.41	4.15	3.98 - 4.32	5.10	4.90 - 5.31
HGB (g/dL)	5.4	5.2 - 5.7	12.0	11.5 - 12.5	15.9	15.3 - 16.6
HCT (%)	16.2	15.1 - 17.4	34.4	32.4 - 36.5	44.4	41.7 - 47.0
MCV (fL)	70.6	66.4 - 74.8	83.0	78.0 - 87.9	86.9	81.7 - 92.2
MCH (pg)	23.6	21.7 - 25.5	29.0	26.9 - 31.0	31.2	29.3 - 33.0
MCHC (g/dL)	33.4	30.1 - 36.8	34.9	31.8 - 38.0	35.9	33.0 - 38.7
RDW-SD (fL)	48.9	46.0 - 51.9	47.8	45.0 - 50.7	46.6	42.9 - 50.3
RDW-CV (%)	19.4	18.2 - 20.6	16.2	15.2 - 17.1	15.1	13.9 - 16.3
PLT (10 <sup>3</sup> /μL)	88	55 - 122	245	218 - 272	567	516 - 618
PLT-F (10 <sup>3</sup> /μL)	83	61 - 106	256	187 - 325	530	408 - 651
IPF (%)	19.4	16.8 - 21.9	20.6	16.5 - 24.7	19.5	15.4 - 23.6
IPF#	15.2	13.2 - 17.2	50.1	40.1 - 60.2	100.8	79.6 - 121.9
MPV (fL)	8.5	7.1 - 9.8	9.6	8.9 - 10.3	9.5	9.0 - 10.0
WBC (10 <sup>3</sup> /μL)	2.95	2.66 - 3.25	6.81	6.33 - 7.29	16.39	15.41 - 17.38
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	3.01	2.59 - 3.44	7.87	6.84 - 8.89
LYMPH# (10 <sup>3</sup> /μL)	1.02	0.74 - 1.29	1.97	1.50 - 2.44	3.92	2.90 - 4.94
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.55	0.79	0.40 - 1.19	2.04	1.12 - 2.96
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.70	0.44 - 0.96	1.77	1.10 - 2.44
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.76	0.62 - 0.91	2.00	1.64 - 2.36
NRBC# (10 <sup>3</sup> /μL)	0.15	0.08 - 0.21	0.44	0.32 - 0.55	1.07	0.86 - 1.29
NEUT%	39.4	33.9 - 44.9	44.2	39.4 - 49.1	48.0	43.2 - 52.8
LYMPH%	34.4	25.8 - 43.0	28.9	22.6 - 35.3	23.9	17.9 - 29.9
MONO%	11.9	5.5 - 18.3	11.7	6.1 - 17.3	12.5	7.0 - 18.0
EO%	9.5	6.0 - 13.1	10.3	6.6 - 14.0	10.8	6.8 - 14.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.1	8.2 - 12.0	11.2	9.3 - 13.1	12.2	10.2 - 14.1
NRBC% (/100 WBC)	5.1	2.7 - 7.4	6.5	4.7 - 8.3	6.6	5.4 - 7.9
RET%	5.33	4.32 - 6.34	2.51	1.98 - 3.04	1.26	0.79 - 1.72
RET# (10 <sup>6</sup> /μL)	0.1225	0.0955 - 0.1494	0.1042	0.0844 - 0.1240	0.0643	0.0450 - 0.0835
IRF (%)	30.2	1.2 - 59.3	36.0	3.6 - 68.3	28.7	4.0 - 53.4
RET-He (pg)	24.0	20.6 - 27.3	25.0	21.7 - 28.2	26.3	22.4 - 30.3



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12021101		12021102		12021103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 <sup>6</sup> /μL)	2.31	2.20 - 2.43	4.18	4.02 - 4.35	5.18	4.97 - 5.39
HGB (g/dL)	5.5	5.2 - 5.8	12.1	11.6 - 12.5	16.0	15.3 - 16.6
HCT (%)	16.3	15.1 - 17.4	34.5	32.4 - 36.6	45.0	42.3 - 47.7
MCV (fL)	70.2	66.0 - 74.5	82.5	77.5 - 87.4	86.9	81.7 - 92.1
MCH (pg)	23.8	21.9 - 25.7	28.8	26.8 - 30.9	30.8	29.0 - 32.7
MCHC (g/dL)	33.9	30.5 - 37.3	35.0	31.8 - 38.1	35.5	32.7 - 38.3
RDW-SD (fL)	49.0	46.1 - 51.9	47.1	44.3 - 50.0	46.1	42.4 - 49.8
RDW-CV (%)	19.6	18.4 - 20.7	16.0	15.0 - 16.9	14.8	13.7 - 16.0
PLT (10 <sup>3</sup> /μL)	91	56 - 125	250	222 - 277	575	523 - 627
MPV (fL)	8.3	7.0 - 9.7	9.4	8.8 - 10.1	9.3	8.8 - 9.7
WBC (10 <sup>3</sup> /μL)	3.24	2.92 - 3.57	7.64	7.11 - 8.18	18.35	17.25 - 19.45
NEUT# (10 <sup>3</sup> /μL)	1.20	0.99 - 1.42	3.04	2.62 - 3.47	7.91	6.88 - 8.94
LYMPH# (10 <sup>3</sup> /μL)	1.14	0.83 - 1.44	2.25	1.71 - 2.79	4.52	3.35 - 5.70
MONO# (10 <sup>3</sup> /μL)	0.32	0.14 - 0.50	0.75	0.38 - 1.13	1.91	1.05 - 2.77
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.39	0.76	0.48 - 1.05	1.90	1.18 - 2.63
BASO# (10 <sup>3</sup> /μL)	0.16	0.12 - 0.20	0.42	0.35 - 0.49	1.08	0.94 - 1.22
IG # (10 <sup>3</sup> /μL)	0.31	0.25 - 0.38	0.79	0.64 - 0.94	2.07	1.69 - 2.44
NEUT%	38.7	33.3 - 44.2	42.1	37.5 - 46.7	45.7	41.1 - 50.2
LYMPH%	36.6	27.5 - 45.8	31.1	24.3 - 37.9	26.1	19.6 - 32.6
MONO%	10.2	4.7 - 15.8	10.4	5.4 - 15.4	11.0	6.2 - 15.9
EO%	9.2	5.8 - 12.6	10.6	6.8 - 14.4	11.0	6.9 - 15.0
BASO%	5.2	4.2 - 6.2	5.8	5.1 - 6.6	6.2	5.5 - 7.0
IG (%)	10.1	8.2 - 12.0	10.9	9.1 - 12.8	11.9	10.0 - 13.8
RET%	6.31	5.11 - 7.51	2.69	2.13 - 3.26	1.24	0.78 - 1.69
RET# (10 <sup>6</sup> /μL)	0.1460	0.1139 - 0.1781	0.1127	0.0913 - 0.1341	0.0641	0.0449 - 0.0833
IRF (%)	25.2	1.0 - 49.4	29.6	3.0 - 56.2	25.7	3.6 - 47.8
RET-He (pg)	21.8	18.8 - 24.9	22.5	19.6 - 25.5	23.6	20.1 - 27.2



# XN CHECK™

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

Expiration Date:	<b>2021-10-10</b>		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12021101		12021102		12021103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 <sup>9</sup> /μL)	2.36	2.24 - 2.47	4.23	4.06 - 4.40	5.23	5.02 - 5.44
HGB (g/dL)	5.49	5.21 - 5.76	12.16	11.67 - 12.64	16.15	15.50 - 16.80
HCT (%)	16.1	15.0 - 17.2	33.9	31.8 - 35.9	44.2	41.6 - 46.9
MCV (fL)	68.4	64.3 - 72.5	80.0	75.2 - 84.8	84.6	79.5 - 89.7
MCH (pg)	23.3	21.4 - 25.2	28.7	26.7 - 30.7	30.9	29.0 - 32.7
MCHC (g/dL)	34.1	30.7 - 37.5	35.9	32.7 - 39.1	36.5	33.6 - 39.4
RDW-SD (fL)	46.1	43.4 - 48.9	46.2	43.4 - 48.9	46.4	42.7 - 50.1
RDW-CV (%)	19.3	18.2 - 20.5	16.2	15.2 - 17.2	15.4	14.2 - 16.7
PLT (10 <sup>3</sup> /μL)	92	57 - 127	249	221 - 276	573	522 - 625
PLT-F (10 <sup>3</sup> /μL)	83	60 - 105	255	186 - 324	547	421 - 673
IPF (%)	19.2	16.7 - 21.7	20.1	16.0 - 24.1	20.1	15.9 - 24.3
IPF#	15.9	13.8 - 18.0	48.8	39.0 - 58.5	107.2	84.7 - 129.8
MPV (fL)	9.4	7.9 - 10.9	10.7	9.9 - 11.4	10.5	10.0 - 11.0
WBC (10 <sup>3</sup> /μL)	2.99	2.69 - 3.28	6.83	6.35 - 7.31	16.43	15.44 - 17.42
NEUT# (10 <sup>3</sup> /μL)	1.19	0.97 - 1.40	3.00	2.58 - 3.42	7.77	6.76 - 8.78
LYMPH# (10 <sup>3</sup> /μL)	1.02	0.74 - 1.29	1.95	1.48 - 2.42	3.86	2.85 - 4.86
MONO# (10 <sup>3</sup> /μL)	0.36	0.16 - 0.55	0.82	0.41 - 1.23	2.13	1.17 - 3.09
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.73	0.46 - 1.00	1.88	1.16 - 2.59
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.79	0.69 - 0.90
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.37	0.76	0.62 - 0.90	1.95	1.60 - 2.30
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.22	0.44	0.32 - 0.56	1.09	0.88 - 1.31
NEUT%	39.8	34.2 - 45.4	44.0	39.1 - 48.8	47.3	42.6 - 52.0
LYMPH%	34.1	25.6 - 42.6	28.5	22.3 - 34.8	23.5	17.6 - 29.3
MONO%	11.9	5.5 - 18.3	12.0	6.2 - 17.8	13.0	7.3 - 18.7
EO%	9.4	5.9 - 12.9	10.7	6.8 - 14.5	11.4	7.2 - 15.7
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	10.1	8.2 - 12.1	11.1	9.2 - 13.0	11.9	10.0 - 13.8
NRBC% (/100 WBC)	5.2	2.8 - 7.5	6.5	4.7 - 8.3	6.7	5.4 - 7.9
RET%	4.77	3.86 - 5.67	2.12	1.68 - 2.57	1.13	0.71 - 1.55
RET# (10 <sup>6</sup> /μL)	0.1123	0.0876 - 0.1370	0.0899	0.0728 - 0.1070	0.0590	0.0413 - 0.0767
IRF (%)	35.5	1.4 - 69.6	40.1	4.0 - 76.1	30.0	4.2 - 55.8
RET-He (pg)	23.9	20.6 - 27.3	24.9	21.7 - 28.2	26.7	22.7 - 30.7