



# XN CHECK™

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

Expiration Date:	2024-04-21		Quality Control Data Due Date #1: 11-Mar-24		Quality Control Data Due Date #2: 21-Apr-24	
Lot Number:	40311101		40311102		40311103	
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)	2.33	2.21 - 2.44	4.24	4.07 - 4.40	5.01	4.81 - 5.21
HGB (g/dL)	5.6	5.3 - 5.9	11.4	10.9 - 11.8	16.0	15.4 - 16.6
HCT (%)	16.5	15.3 - 17.6	33.0	31.0 - 35.0	44.9	42.2 - 47.6
MCV (fL)	70.9	66.6 - 75.1	77.9	73.2 - 82.6	89.6	84.3 - 95.0
MCH (pg)	24.1	22.2 - 26.1	26.9	25.0 - 28.7	31.9	30.0 - 33.8
MCHC (g/dL)	34.1	30.7 - 37.5	34.5	31.4 - 37.6	35.6	32.8 - 38.5
RDW-SD (fL)	45.8	43.1 - 48.6	45.9	43.2 - 48.7	47.5	43.7 - 51.4
RDW-CV (%)	18.0	16.9 - 19.1	16.5	15.5 - 17.5	14.5	13.3 - 15.7
PLT (10 <sup>3</sup> /μL)	89	55 - 123	246	206 - 285	547	476 - 618
PLT-F (10 <sup>3</sup> /μL)	84	61 - 106	242	177 - 308	518	399 - 637
IPF (%)	19.1	16.6 - 21.6	20.0	16.0 - 24.1	20.1	15.9 - 24.3
IPF#	16.0	13.9 - 18.1	47.3	37.9 - 56.8	102.7	81.1 - 124.3
MPV (fL)	8.2	6.9 - 9.6	10.1	9.3 - 10.9	9.9	9.1 - 10.7
WBC (10 <sup>3</sup> /μL)	3.07	2.77 - 3.38	6.73	6.26 - 7.20	16.64	15.64 - 17.64
NEUT# (10 <sup>3</sup> /μL)	1.22	1.00 - 1.44	2.97	2.55 - 3.38	7.99	6.95 - 9.03
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.78 - 1.35	1.96	1.49 - 2.43	3.95	2.93 - 4.98
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.55	0.75	0.38 - 1.13	2.08	1.15 - 3.02
EO# (10 <sup>3</sup> /μL)	0.30	0.19 - 0.41	0.72	0.46 - 0.99	1.81	1.12 - 2.50
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.32	0.27 - 0.37	0.80	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.31	0.25 - 0.38	0.76	0.61 - 0.90	2.01	1.65 - 2.38
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.43	0.31 - 0.54	1.10	0.88 - 1.32
NEUT%	39.6	34.0 - 45.1	44.1	39.3 - 49.0	48.0	43.2 - 52.8
LYMPH%	34.6	25.9 - 43.2	29.2	22.7 - 35.6	23.8	17.8 - 29.7
MONO%	11.4	5.2 - 17.6	11.2	5.8 - 16.5	12.5	7.0 - 18.0
EO%	9.7	6.1 - 13.3	10.8	6.9 - 14.6	10.9	6.8 - 14.9
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.1	8.2 - 12.1	11.2	9.3 - 13.1	12.1	10.2 - 14.0
NRBC% (/100 WBC)	4.6	2.5 - 6.8	6.4	4.6 - 8.1	6.6	5.4 - 7.9
RET%	5.43	4.40 - 6.46	2.35	1.86 - 2.84	1.15	0.72 - 1.57
RET# (10 <sup>6</sup> /μL)	0.1264	0.0986 - 0.1542	0.0995	0.0806 - 0.1184	0.0575	0.0403 - 0.0748
IRF (%)	24.5	1.0 - 47.9	27.0	2.7 - 51.4	20.5	2.9 - 38.2
RET-He (pg)	25.1	21.5 - 28.6	26.1	22.7 - 29.5	28.6	24.4 - 32.9



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-04-21		Quality Control Data Due Date #1: 11-Mar-24		Quality Control Data Due Date #2: 21-Apr-24	
Lot Number:	40311101		40311102		40311103	
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	4.22	4.05 - 4.39	5.00	4.80 - 5.20
HGB (g/dL)	5.6	5.3 - 5.9	11.4	10.9 - 11.8	15.9	15.3 - 16.6
HCT (%)	16.4	15.2 - 17.5	32.7	30.7 - 34.6	44.6	41.9 - 47.3
MCV (fL)	70.7	66.5 - 75.0	77.4	72.8 - 82.0	89.2	83.9 - 94.6
MCH (pg)	24.3	22.4 - 26.3	27.0	25.1 - 28.9	31.9	29.9 - 33.8
MCHC (g/dL)	34.4	30.9 - 37.8	34.8	31.7 - 38.0	35.7	32.8 - 38.6
RDW-SD (fL)	46.6	43.8 - 49.4	46.3	43.6 - 49.1	47.1	43.3 - 50.9
RDW-CV (%)	18.3	17.2 - 19.4	16.7	15.7 - 17.7	14.6	13.4 - 15.7
PLT (10 <sup>3</sup> /μL)	91	63 - 118	246	212 - 281	544	484 - 604
MPV (fL)	8.2	7.1 - 9.2	10.0	9.2 - 10.8	9.8	9.2 - 10.5
WBC (10 <sup>3</sup> /μL)	3.30	2.87 - 3.72	7.43	6.69 - 8.17	18.38	16.91 - 19.85
NEUT# (10 <sup>3</sup> /μL)	1.22	1.00 - 1.44	3.01	2.59 - 3.43	7.91	6.88 - 8.94
LYMPH# (10 <sup>3</sup> /μL)	1.15	0.84 - 1.45	2.16	1.64 - 2.68	4.42	3.27 - 5.57
MONO# (10 <sup>3</sup> /μL)	0.33	0.14 - 0.51	0.72	0.36 - 1.08	2.05	1.13 - 2.98
EO# (10 <sup>3</sup> /μL)	0.30	0.19 - 0.42	0.71	0.45 - 0.97	1.92	1.19 - 2.65
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.41	0.28 - 0.54	1.08	0.75 - 1.40
IG # (10 <sup>3</sup> /μL)	0.32	0.24 - 0.39	0.78	0.63 - 0.94	2.05	1.66 - 2.44
NEUT%	38.6	33.2 - 44.0	42.9	38.2 - 47.7	45.5	41.0 - 50.1
LYMPH%	36.3	27.2 - 45.3	30.8	24.0 - 37.6	25.4	19.1 - 31.8
MONO%	10.4	4.8 - 16.0	10.3	5.4 - 15.3	11.8	6.6 - 17.0
EO%	9.6	6.0 - 13.1	10.1	6.5 - 13.7	11.1	7.0 - 15.2
BASO%	5.2	3.4 - 7.0	5.8	4.1 - 7.6	6.2	4.4 - 8.0
IG (%)	10.0	7.9 - 12.1	11.2	9.0 - 13.4	11.8	9.8 - 13.8
RET%	6.49	4.80 - 8.18	2.73	2.02 - 3.44	1.16	0.77 - 1.56
RET# (10 <sup>6</sup> /μL)	0.1501	0.1096 - 0.1906	0.1152	0.0864 - 0.1440	0.0581	0.0378 - 0.0785
IRF (%)	20.4	0.8 - 40.0	21.6	2.2 - 41.0	17.5	2.4 - 32.5
RET-He (pg)	23.8	20.4 - 27.1	24.6	21.4 - 27.8	26.4	22.5 - 30.4



# XN CHECK™

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

Expiration Date:	<b>2024-04-21</b>		Quality Control Data Due Date #1: 11-Mar-24		Quality Control Data Due Date #2: 21-Apr-24	
Lot Number:	40311101		40311102		40311103	
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)	2.37	2.25 - 2.49	4.27	4.10 - 4.44	5.06	4.86 - 5.26
HGB (g/dL)	5.61	5.33 - 5.89	11.38	10.93 - 11.84	16.04	15.40 - 16.68
HCT (%)	16.7	15.5 - 17.9	32.5	30.6 - 34.5	44.7	42.0 - 47.3
MCV (fL)	70.6	66.3 - 74.8	76.1	71.5 - 80.6	88.2	82.9 - 93.5
MCH (pg)	23.7	21.8 - 25.6	26.6	24.8 - 28.5	31.7	29.8 - 33.6
MCHC (g/dL)	33.6	30.2 - 36.9	35.0	31.9 - 38.2	35.9	33.0 - 38.8
RDW-SD (fL)	45.5	42.8 - 48.3	45.9	43.1 - 48.6	48.9	44.9 - 52.8
RDW-CV (%)	18.2	17.1 - 19.3	17.1	16.1 - 18.2	15.6	14.3 - 16.8
PLT (10 <sup>3</sup> /μL)	93	58 - 128	249	209 - 288	551	479 - 622
PLT-F (10 <sup>3</sup> /μL)	85	62 - 108	246	180 - 313	531	408 - 653
IPF (%)	19.0	16.5 - 21.4	19.8	15.9 - 23.8	20.0	15.8 - 24.1
IPF#	16.2	14.1 - 18.3	47.7	38.2 - 57.2	104.3	82.4 - 126.2
MPV (fL)	9.2	7.7 - 10.7	11.4	10.4 - 12.3	11.1	10.2 - 12.0
WBC (10 <sup>3</sup> /μL)	3.08	2.77 - 3.39	6.72	6.25 - 7.19	16.76	15.75 - 17.77
NEUT# (10 <sup>3</sup> /μL)	1.22	1.00 - 1.45	2.97	2.55 - 3.38	7.93	6.90 - 8.96
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.77 - 1.34	1.96	1.49 - 2.43	3.94	2.92 - 4.97
MONO# (10 <sup>3</sup> /μL)	0.36	0.16 - 0.56	0.76	0.38 - 1.14	2.18	1.20 - 3.17
EO# (10 <sup>3</sup> /μL)	0.30	0.18 - 0.41	0.71	0.45 - 0.98	1.89	1.17 - 2.61
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.32	0.27 - 0.37	0.81	0.71 - 0.92
IG # (10 <sup>3</sup> /μL)	0.31	0.25 - 0.38	0.75	0.61 - 0.89	1.99	1.63 - 2.35
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.21	0.43	0.31 - 0.55	1.11	0.89 - 1.33
NEUT%	39.7	34.2 - 45.3	44.1	39.3 - 49.0	47.3	42.6 - 52.0
LYMPH%	34.3	25.7 - 42.8	29.1	22.7 - 35.5	23.5	17.6 - 29.4
MONO%	11.6	5.3 - 17.8	11.3	5.9 - 16.8	13.0	7.3 - 18.8
EO%	9.6	6.1 - 13.2	10.6	6.8 - 14.4	11.3	7.1 - 15.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	10.2	8.3 - 12.1	11.2	9.3 - 13.1	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.7	2.5 - 6.9	6.4	4.6 - 8.2	6.6	5.4 - 7.9
RET%	5.13	4.15 - 6.10	2.22	1.75 - 2.68	1.12	0.71 - 1.54
RET# (10 <sup>6</sup> /μL)	0.1215	0.0947 - 0.1482	0.0948	0.0768 - 0.1128	0.0569	0.0398 - 0.0740
IRF (%)	25.9	1.0 - 50.9	28.4	2.8 - 53.9	21.2	3.0 - 39.4
RET-He (pg)	24.9	21.4 - 28.4	26.0	22.6 - 29.4	28.6	24.3 - 32.9