



# XN CHECK™

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

Expiration Date:	2024-12-01		Quality Control Data Due Date #1: 21-Oct-24		Quality Control Data Due Date #2: 01-Dec-24	
Lot Number:	42551101		42551102		42551103	
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)	2.32	2.20 - 2.44	4.36	4.18 - 4.53	5.07	4.86 - 5.27
HGB (g/dL)	5.7	5.4 - 5.9	11.9	11.5 - 12.4	15.3	14.7 - 15.9
HCT (%)	16.7	15.5 - 17.9	34.4	32.4 - 36.5	43.0	40.4 - 45.6
MCV (fL)	71.9	67.6 - 76.2	79.0	74.3 - 83.8	84.8	79.7 - 89.9
MCH (pg)	24.4	22.4 - 26.3	27.4	25.5 - 29.4	30.2	28.3 - 32.0
MCHC (g/dL)	33.9	30.5 - 37.3	34.7	31.6 - 37.8	35.5	32.7 - 38.4
RDW-SD (fL)	47.9	45.0 - 50.8	45.2	42.4 - 47.9	49.6	45.6 - 53.6
RDW-CV (%)	18.7	17.6 - 19.8	15.8	14.9 - 16.8	16.1	14.8 - 17.4
PLT (10 <sup>3</sup> /μL)	95	59 - 132	229	193 - 266	526	458 - 594
PLT-F (10 <sup>3</sup> /μL)	87	64 - 111	219	160 - 279	488	376 - 601
IPF (%)	19.0	16.5 - 21.4	20.0	16.0 - 24.0	20.1	15.9 - 24.3
IPF#	16.6	14.4 - 18.7	42.8	34.2 - 51.3	96.8	76.5 - 117.2
MPV (fL)	8.5	7.2 - 9.9	10.2	9.4 - 11.0	10.0	9.2 - 10.8
WBC (10 <sup>3</sup> /μL)	3.03	2.73 - 3.34	6.83	6.35 - 7.30	17.20	16.17 - 18.23
NEUT# (10 <sup>3</sup> /μL)	1.26	1.03 - 1.48	2.99	2.57 - 3.40	8.36	7.27 - 9.44
LYMPH# (10 <sup>3</sup> /μL)	0.98	0.72 - 1.24	1.91	1.45 - 2.37	4.00	2.96 - 5.04
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.54	0.87	0.43 - 1.30	2.11	1.16 - 3.06
EO# (10 <sup>3</sup> /μL)	0.30	0.19 - 0.42	0.73	0.46 - 1.00	1.90	1.18 - 2.63
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.83	0.72 - 0.94
IG # (10 <sup>3</sup> /μL)	0.32	0.25 - 0.39	0.76	0.61 - 0.90	2.10	1.72 - 2.47
NRBC# (10 <sup>3</sup> /μL)	0.16	0.09 - 0.23	0.42	0.31 - 0.53	1.07	0.86 - 1.29
NEUT%	41.5	35.7 - 47.3	43.7	38.9 - 48.6	48.6	43.7 - 53.4
LYMPH%	32.3	24.2 - 40.4	28.0	21.8 - 34.2	23.3	17.5 - 29.1
MONO%	11.4	5.2 - 17.6	12.7	6.6 - 18.8	12.3	6.9 - 17.7
EO%	10.0	6.3 - 13.7	10.7	6.9 - 14.6	11.1	7.0 - 15.2
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.6	8.6 - 12.6	11.1	9.2 - 13.0	12.2	10.2 - 14.1
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.1	4.4 - 7.9	6.2	5.1 - 7.4
RET%	5.82	4.72 - 6.93	2.29	1.81 - 2.77	1.23	0.78 - 1.69
RET# (10 <sup>6</sup> /μL)	0.1351	0.1054 - 0.1648	0.0996	0.0807 - 0.1185	0.0625	0.0438 - 0.0813
IRF (%)	31.2	1.2 - 61.1	34.2	3.4 - 65.0	27.0	3.8 - 50.2
RET-He (pg)	25.7	22.1 - 29.2	26.7	23.2 - 30.1	27.8	23.6 - 32.0



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-12-01		Quality Control Data Due Date #1: 21-Oct-24		Quality Control Data Due Date #2: 01-Dec-24	
Lot Number:	42551101		42551102		42551103	
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	2.19 - 2.42	4.34	4.16 - 4.51	5.07	4.87 - 5.27
HGB (g/dL)	5.7	5.4 - 6.0	12.0	11.5 - 12.4	15.3	14.7 - 15.9
HCT (%)	16.5	15.4 - 17.7	34.1	32.0 - 36.1	42.8	40.3 - 45.4
MCV (fL)	71.8	67.5 - 76.1	78.6	73.9 - 83.3	84.5	79.4 - 89.5
MCH (pg)	24.6	22.7 - 26.6	27.6	25.7 - 29.5	30.1	28.3 - 31.9
MCHC (g/dL)	34.3	30.9 - 37.7	35.1	31.9 - 38.3	35.6	32.8 - 38.5
RDW-SD (fL)	48.7	45.8 - 51.6	45.6	42.8 - 48.3	49.8	45.8 - 53.8
RDW-CV (%)	19.0	17.8 - 20.1	16.0	15.1 - 17.0	16.3	15.0 - 17.6
PLT (10 <sup>3</sup> /μL)	98	69 - 128	230	198 - 262	528	470 - 586
MPV (fL)	8.5	7.4 - 9.6	10.1	9.3 - 10.9	9.9	9.2 - 10.6
WBC (10 <sup>3</sup> /μL)	3.30	2.87 - 3.73	7.58	6.82 - 8.34	18.99	17.47 - 20.51
NEUT# (10 <sup>3</sup> /μL)	1.26	1.03 - 1.49	3.05	2.62 - 3.48	8.32	7.24 - 9.40
LYMPH# (10 <sup>3</sup> /μL)	1.08	0.79 - 1.37	2.20	1.67 - 2.72	4.56	3.38 - 5.75
MONO# (10 <sup>3</sup> /μL)	0.33	0.15 - 0.52	0.80	0.40 - 1.21	2.02	1.11 - 2.92
EO# (10 <sup>3</sup> /μL)	0.31	0.19 - 0.43	0.73	0.46 - 1.00	2.01	1.24 - 2.77
BASO# (10 <sup>3</sup> /μL)	0.17	0.11 - 0.24	0.41	0.28 - 0.54	1.12	0.79 - 1.46
IG # (10 <sup>3</sup> /μL)	0.33	0.25 - 0.41	0.79	0.63 - 0.95	2.15	1.74 - 2.56
NEUT%	39.9	34.3 - 45.5	42.4	37.7 - 47.1	46.2	41.5 - 50.8
LYMPH%	34.2	25.7 - 42.8	30.5	23.8 - 37.3	25.3	19.0 - 31.6
MONO%	10.6	4.9 - 16.3	11.2	5.8 - 16.5	11.2	6.3 - 16.1
EO%	9.8	6.2 - 13.5	10.2	6.5 - 13.8	11.1	7.0 - 15.2
BASO%	5.4	3.5 - 7.4	5.7	4.0 - 7.4	6.2	4.4 - 8.0
IG (%)	10.5	8.3 - 12.7	11.0	8.8 - 13.2	11.9	9.9 - 14.0
RET%	7.04	5.21 - 8.87	2.65	1.96 - 3.34	1.25	0.82 - 1.67
RET# (10 <sup>6</sup> /μL)	0.1620	0.1183 - 0.2058	0.1151	0.0863 - 0.1438	0.0632	0.0411 - 0.0854
IRF (%)	24.7	1.0 - 48.3	26.8	2.7 - 50.9	23.8	3.3 - 44.2
RET-He (pg)	24.4	21.0 - 27.8	25.1	21.8 - 28.4	25.8	22.0 - 29.7



# XN CHECK™

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

Expiration Date:	<b>2024-12-01</b>		Quality Control Data Due Date #1: 21-Oct-24		Quality Control Data Due Date #2: 01-Dec-24	
Lot Number:	42551101		42551102		42551103	
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)	2.35	2.23 - 2.47	4.39	4.22 - 4.57	5.12	4.91 - 5.32
HGB (g/dL)	5.62	5.34 - 5.91	11.96	11.48 - 12.44	15.33	14.71 - 15.94
HCT (%)	16.6	15.4 - 17.7	33.6	31.6 - 35.6	42.2	39.7 - 44.8
MCV (fL)	70.4	66.2 - 74.6	76.6	72.0 - 81.2	82.5	77.6 - 87.5
MCH (pg)	23.9	22.0 - 25.8	27.2	25.3 - 29.2	30.0	28.2 - 31.8
MCHC (g/dL)	34.0	30.6 - 37.4	35.6	32.4 - 38.8	36.3	33.4 - 39.2
RDW-SD (fL)	47.3	44.4 - 50.1	44.8	42.2 - 47.5	49.7	45.7 - 53.6
RDW-CV (%)	19.2	18.1 - 20.4	16.6	15.6 - 17.6	17.2	15.8 - 18.5
PLT (10 <sup>3</sup> /μL)	100	62 - 137	234	197 - 272	531	462 - 600
PLT-F (10 <sup>3</sup> /μL)	90	65 - 114	228	167 - 290	503	387 - 619
IPF (%)	19.0	16.5 - 21.4	20.2	16.1 - 24.2	20.1	15.9 - 24.4
IPF#	17.0	14.8 - 19.2	44.9	36.0 - 53.9	99.7	78.8 - 120.7
MPV (fL)	9.5	8.0 - 11.0	11.4	10.5 - 12.3	11.2	10.3 - 12.0
WBC (10 <sup>3</sup> /μL)	3.04	2.73 - 3.34	6.83	6.35 - 7.30	17.14	16.11 - 18.17
NEUT# (10 <sup>3</sup> /μL)	1.25	1.03 - 1.48	2.99	2.57 - 3.41	8.25	7.18 - 9.32
LYMPH# (10 <sup>3</sup> /μL)	0.99	0.73 - 1.26	1.94	1.48 - 2.41	4.06	3.00 - 5.11
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.87	0.43 - 1.30	2.07	1.14 - 3.00
EO# (10 <sup>3</sup> /μL)	0.31	0.19 - 0.43	0.69	0.44 - 0.95	1.93	1.20 - 2.67
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.83	0.72 - 0.93
IG # (10 <sup>3</sup> /μL)	0.32	0.25 - 0.38	0.75	0.61 - 0.90	2.08	1.70 - 2.45
NRBC# (10 <sup>3</sup> /μL)	0.16	0.09 - 0.23	0.42	0.30 - 0.53	1.07	0.86 - 1.29
NEUT%	41.2	35.4 - 47.0	43.8	39.0 - 48.6	48.1	43.3 - 52.9
LYMPH%	32.7	24.5 - 40.9	28.4	22.2 - 34.7	23.7	17.8 - 29.6
MONO%	11.1	5.1 - 17.1	12.7	6.6 - 18.8	12.1	6.8 - 17.4
EO%	10.2	6.4 - 14.0	10.2	6.5 - 13.8	11.3	7.1 - 15.5
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.4	8.5 - 12.4	11.0	9.2 - 12.9	12.1	10.2 - 14.1
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.1	4.4 - 7.8	6.2	5.1 - 7.4
RET%	5.48	4.44 - 6.52	2.16	1.71 - 2.61	1.16	0.73 - 1.59
RET# (10 <sup>6</sup> /μL)	0.1288	0.1005 - 0.1572	0.0948	0.0768 - 0.1128	0.0594	0.0416 - 0.0772
IRF (%)	32.1	1.3 - 62.9	34.6	3.5 - 65.7	26.8	3.8 - 49.9
RET-He (pg)	25.7	22.1 - 29.3	26.7	23.2 - 30.2	28.0	23.8 - 32.2