



# XN CHECK™

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

Expiration Date:	2024-08-11		Quality Control Data Due Date #1: 01-Jul-24		Quality Control Data Due Date #2: 11-Aug-24	
Lot Number:	41421101		41421102		41421103	
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)	2.35	2.23 - 2.46	4.29	4.11 - 4.46	5.03	4.83 - 5.24
HGB (g/dL)	5.5	5.2 - 5.7	11.4	10.9 - 11.8	15.8	15.2 - 16.5
HCT (%)	16.2	15.0 - 17.3	33.0	31.0 - 35.0	44.3	41.6 - 46.9
MCV (fL)	68.9	64.8 - 73.0	77.0	72.3 - 81.6	88.0	82.7 - 93.2
MCH (pg)	23.3	21.5 - 25.2	26.6	24.7 - 28.4	31.4	29.6 - 33.3
MCHC (g/dL)	33.9	30.5 - 37.2	34.5	31.4 - 37.6	35.8	32.9 - 38.6
RDW-SD (fL)	46.3	43.5 - 49.0	47.2	44.3 - 50.0	46.8	43.1 - 50.6
RDW-CV (%)	19.0	17.8 - 20.1	17.1	16.0 - 18.1	14.7	13.5 - 15.8
PLT (10 <sup>3</sup> /μL)	91	57 - 126	242	203 - 281	552	480 - 623
PLT-F (10 <sup>3</sup> /μL)	85	62 - 108	233	170 - 296	527	406 - 648
IPF (%)	19.1	16.7 - 21.6	19.9	15.9 - 23.9	20.0	15.8 - 24.2
IPF#	16.3	14.2 - 18.5	45.3	36.3 - 54.4	103.7	82.0 - 125.5
MPV (fL)	8.3	7.0 - 9.6	10.0	9.2 - 10.8	9.8	9.0 - 10.6
WBC (10 <sup>3</sup> /μL)	3.05	2.74 - 3.35	7.06	6.56 - 7.55	16.72	15.72 - 17.73
NEUT# (10 <sup>3</sup> /μL)	1.21	0.99 - 1.42	3.01	2.58 - 3.43	7.97	6.93 - 9.00
LYMPH# (10 <sup>3</sup> /μL)	1.00	0.73 - 1.27	2.07	1.57 - 2.57	4.09	3.03 - 5.15
MONO# (10 <sup>3</sup> /μL)	0.40	0.18 - 0.63	0.91	0.46 - 1.37	1.97	1.08 - 2.85
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.41	0.73	0.46 - 1.00	1.89	1.17 - 2.61
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.40	0.81	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	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 - 0.56	1.12	0.90 - 1.35
NEUT%	39.6	34.0 - 45.1	42.6	37.9 - 47.3	47.6	42.9 - 52.4
LYMPH%	32.8	24.6 - 41.0	29.3	22.9 - 35.8	24.4	18.3 - 30.6
MONO%	13.2	6.1 - 20.4	13.0	6.7 - 19.2	11.8	6.6 - 16.9
EO%	9.6	6.1 - 13.2	10.3	6.6 - 14.0	11.3	7.1 - 15.5
BASO%	4.7	3.8 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.1	8.2 - 12.0	10.8	9.0 - 12.6	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.9	2.6 - 7.1	6.3	4.5 - 8.0	6.7	5.4 - 8.0
RET%	6.09	4.93 - 7.24	2.45	1.94 - 2.97	1.27	0.80 - 1.74
RET# (10 <sup>6</sup> /μL)	0.1429	0.1114 - 0.1743	0.1051	0.0851 - 0.1250	0.0640	0.0448 - 0.0832
IRF (%)	40.9	1.6 - 80.1	41.0	4.1 - 77.9	33.1	4.6 - 61.6
RET-He (pg)	25.2	21.7 - 28.8	25.9	22.6 - 29.3	27.7	23.5 - 31.9



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-08-11		Quality Control Data Due Date #1: 01-Jul-24		Quality Control Data Due Date #2: 11-Aug-24	
Lot Number:	41421101		41421102		41421103	
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 - 2.45	4.29	4.11 - 4.46	5.05	4.85 - 5.25
HGB (g/dL)	5.5	5.2 - 5.7	11.4	10.9 - 11.8	15.8	15.2 - 16.4
HCT (%)	16.0	14.9 - 17.2	32.8	30.8 - 34.7	44.2	41.5 - 46.8
MCV (fL)	68.8	64.7 - 73.0	76.4	71.8 - 81.0	87.5	82.3 - 92.8
MCH (pg)	23.4	21.5 - 25.3	26.6	24.7 - 28.4	31.3	29.4 - 33.1
MCHC (g/dL)	34.0	30.6 - 37.4	34.7	31.6 - 37.9	35.7	32.9 - 38.6
RDW-SD (fL)	47.5	44.6 - 50.3	47.3	44.5 - 50.1	46.9	43.1 - 50.6
RDW-CV (%)	19.2	18.1 - 20.4	17.3	16.3 - 18.3	14.7	13.6 - 15.9
PLT (10 <sup>3</sup> /μL)	94	66 - 122	243	209 - 277	553	492 - 614
MPV (fL)	8.3	7.2 - 9.3	9.9	9.2 - 10.7	9.7	9.0 - 10.4
WBC (10 <sup>3</sup> /μL)	3.26	2.84 - 3.69	7.81	7.03 - 8.59	18.41	16.94 - 19.89
NEUT# (10 <sup>3</sup> /μL)	1.20	0.98 - 1.41	3.05	2.62 - 3.47	7.91	6.88 - 8.94
LYMPH# (10 <sup>3</sup> /μL)	1.11	0.81 - 1.41	2.33	1.77 - 2.89	4.53	3.35 - 5.70
MONO# (10 <sup>3</sup> /μL)	0.36	0.16 - 0.56	0.88	0.44 - 1.32	1.97	1.09 - 2.86
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.73	0.46 - 1.01	1.92	1.19 - 2.65
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.41	0.28 - 0.54	1.05	0.74 - 1.37
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.39	0.79	0.63 - 0.95	2.04	1.66 - 2.43
NEUT%	38.4	33.0 - 43.7	41.2	36.7 - 45.7	45.5	40.9 - 50.0
LYMPH%	35.6	26.7 - 44.5	31.5	24.6 - 38.5	26.0	19.5 - 32.5
MONO%	11.5	5.3 - 17.8	11.9	6.2 - 17.6	11.4	6.4 - 16.4
EO%	9.3	5.9 - 12.8	9.9	6.3 - 13.5	11.0	7.0 - 15.1
BASO%	5.2	3.4 - 7.0	5.5	3.9 - 7.2	6.1	4.3 - 7.8
IG (%)	9.9	7.9 - 12.0	10.7	8.5 - 12.8	11.8	9.8 - 13.8
RET%	7.49	5.54 - 9.44	2.89	2.14 - 3.64	1.35	0.89 - 1.80
RET# (10 <sup>6</sup> /μL)	0.1746	0.1275 - 0.2218	0.1237	0.0928 - 0.1547	0.0680	0.0442 - 0.0917
IRF (%)	34.7	1.4 - 68.0	36.6	3.7 - 69.6	32.5	4.6 - 60.5
RET-He (pg)	24.1	20.8 - 27.5	24.7	21.5 - 28.0	25.8	21.9 - 29.6



# XN CHECK™

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

Expiration Date:	<b>2024-08-11</b>		Quality Control Data Due Date #1: 01-Jul-24		Quality Control Data Due Date #2: 11-Aug-24	
Lot Number:	41421101		41421102		41421103	
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	4.33	4.15 - 4.50	5.09	4.89 - 5.30
HGB (g/dL)	5.45	5.18 - 5.72	11.40	10.95 - 11.86	15.87	15.24 - 16.51
HCT (%)	16.1	14.9 - 17.2	32.2	30.3 - 34.2	43.8	41.2 - 46.4
MCV (fL)	67.8	63.7 - 71.8	74.5	70.0 - 79.0	86.0	80.8 - 91.1
MCH (pg)	23.0	21.1 - 24.8	26.4	24.5 - 28.2	31.2	29.3 - 33.0
MCHC (g/dL)	33.9	30.5 - 37.3	35.4	32.2 - 38.6	36.3	33.4 - 39.2
RDW-SD (fL)	45.5	42.8 - 48.2	46.0	43.3 - 48.8	47.3	43.5 - 51.1
RDW-CV (%)	19.3	18.2 - 20.5	17.7	16.6 - 18.7	15.5	14.3 - 16.8
PLT (10 <sup>3</sup> /μL)	96	60 - 133	248	208 - 287	565	492 - 639
PLT-F (10 <sup>3</sup> /μL)	87	63 - 110	240	175 - 305	538	414 - 662
IPF (%)	19.2	16.7 - 21.7	20.0	16.0 - 23.9	20.0	15.8 - 24.2
IPF#	16.7	14.5 - 18.9	46.7	37.3 - 56.0	106.1	83.8 - 128.3
MPV (fL)	9.2	7.8 - 10.7	11.2	10.3 - 12.1	11.0	10.1 - 11.9
WBC (10 <sup>3</sup> /μL)	3.07	2.77 - 3.38	7.08	6.58 - 7.57	16.71	15.71 - 17.72
NEUT# (10 <sup>3</sup> /μL)	1.20	0.99 - 1.42	2.99	2.57 - 3.41	7.88	6.85 - 8.90
LYMPH# (10 <sup>3</sup> /μL)	1.03	0.75 - 1.31	2.11	1.61 - 2.62	4.15	3.07 - 5.24
MONO# (10 <sup>3</sup> /μL)	0.40	0.18 - 0.62	0.91	0.46 - 1.37	1.98	1.09 - 2.87
EO# (10 <sup>3</sup> /μL)	0.30	0.18 - 0.41	0.72	0.45 - 0.98	1.90	1.18 - 2.62
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.40	0.81	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.76	0.61 - 0.90	1.99	1.63 - 2.34
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.44	0.32 - 0.56	1.12	0.90 - 1.35
NEUT%	39.1	33.6 - 44.6	42.3	37.6 - 46.9	47.1	42.4 - 51.8
LYMPH%	33.4	25.1 - 41.8	29.8	23.3 - 36.4	24.9	18.6 - 31.1
MONO%	13.0	6.0 - 20.0	12.9	6.7 - 19.1	11.9	6.6 - 17.1
EO%	9.7	6.1 - 13.3	10.1	6.5 - 13.8	11.4	7.2 - 15.5
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 11.9	10.7	8.9 - 12.6	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.9	2.6 - 7.1	6.2	4.5 - 7.9	6.7	5.4 - 8.0
RET%	5.74	4.65 - 6.83	2.29	1.81 - 2.77	1.21	0.76 - 1.66
RET# (10 <sup>6</sup> /μL)	0.1361	0.1061 - 0.1660	0.0990	0.0802 - 0.1179	0.0615	0.0431 - 0.0800
IRF (%)	42.7	1.7 - 83.7	41.7	4.2 - 79.3	33.7	4.7 - 62.7
RET-He (pg)	25.4	21.8 - 28.9	26.1	22.7 - 29.5	27.8	23.6 - 31.9