



# XN CHECK™

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

Expiration Date:	2021-12-05		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12581101		12581102		12581103	
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	4.28	4.11 - 4.45	5.06	4.86 - 5.26
HGB (g/dL)	5.7	5.4 - 6.0	12.6	12.1 - 13.1	16.1	15.4 - 16.7
HCT (%)	16.8	15.6 - 18.0	35.8	33.6 - 37.9	44.6	42.0 - 47.3
MCV (fL)	72.4	68.1 - 76.7	83.7	78.6 - 88.7	88.2	82.9 - 93.5
MCH (pg)	24.7	22.7 - 26.7	29.5	27.4 - 31.6	31.7	29.8 - 33.6
MCHC (g/dL)	34.1	30.7 - 37.5	35.2	32.1 - 38.4	36.0	33.1 - 38.9
RDW-SD (fL)	48.8	45.9 - 51.7	45.8	43.1 - 48.6	45.4	41.8 - 49.0
RDW-CV (%)	18.8	17.7 - 20.0	15.4	14.4 - 16.3	14.4	13.2 - 15.5
PLT (10 <sup>3</sup> /μL)	91	57 - 126	247	220 - 274	555	505 - 605
PLT-F (10 <sup>3</sup> /μL)	87	63 - 110	257	187 - 326	533	410 - 655
IPF (%)	19.3	16.7 - 21.8	19.6	15.7 - 23.5	19.9	15.7 - 24.1
IPF#	16.0	13.9 - 18.1	47.9	38.3 - 57.4	103.6	81.8 - 125.3
MPV (fL)	8.4	7.0 - 9.7	9.7	9.0 - 10.4	9.5	9.0 - 10.0
WBC (10 <sup>3</sup> /μL)	2.96	2.67 - 3.26	6.87	6.39 - 7.35	16.45	15.46 - 17.44
NEUT# (10 <sup>3</sup> /μL)	1.09	0.90 - 1.29	3.04	2.62 - 3.47	7.99	6.95 - 9.03
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.78 - 1.35	2.02	1.54 - 2.51	3.91	2.89 - 4.92
MONO# (10 <sup>3</sup> /μL)	0.39	0.17 - 0.61	0.77	0.39 - 1.16	1.84	1.01 - 2.67
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.38	0.70	0.44 - 0.96	1.92	1.19 - 2.64
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.80	0.69 - 0.90
IG # (10 <sup>3</sup> /μL)	0.28	0.22 - 0.34	0.77	0.62 - 0.92	2.01	1.65 - 2.37
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.22	0.44	0.32 - 0.56	1.12	0.90 - 1.35
NEUT%	36.9	31.8 - 42.1	44.3	39.4 - 49.2	48.6	43.7 - 53.4
LYMPH%	35.8	26.9 - 44.8	29.5	23.0 - 35.9	23.8	17.8 - 29.7
MONO%	13.1	6.0 - 20.2	11.2	5.8 - 16.6	11.2	6.3 - 16.1
EO%	9.3	5.9 - 12.7	10.2	6.5 - 13.9	11.6	7.3 - 16.0
BASO%	4.8	3.9 - 5.8	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	9.5	7.7 - 11.3	11.2	9.3 - 13.1	12.2	10.3 - 14.2
NRBC% (/100 WBC)	5.1	2.8 - 7.5	6.4	4.6 - 8.2	6.8	5.5 - 8.1
RET%	6.64	5.38 - 7.90	2.60	2.05 - 3.14	1.40	0.88 - 1.91
RET# (10 <sup>6</sup> /μL)	0.1540	0.1201 - 0.1879	0.1111	0.0900 - 0.1322	0.0707	0.0495 - 0.0919
IRF (%)	45.7	1.8 - 89.7	48.2	4.8 - 91.6	42.1	5.9 - 78.3
RET-He (pg)	24.7	21.2 - 28.1	25.8	22.5 - 29.2	26.9	22.9 - 30.9



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2021-12-05		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12581101		12581102		12581103	
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)	2.34	2.22 - 2.45	4.32	4.15 - 4.50	5.13	4.92 - 5.33
HGB (g/dL)	5.8	5.5 - 6.1	12.7	12.2 - 13.2	16.1	15.4 - 16.7
HCT (%)	17.0	15.8 - 18.2	36.1	34.0 - 38.3	45.1	42.4 - 47.8
MCV (fL)	72.8	68.5 - 77.2	83.5	78.5 - 88.5	88.0	82.7 - 93.3
MCH (pg)	24.8	22.8 - 26.7	29.3	27.2 - 31.3	31.3	29.5 - 33.2
MCHC (g/dL)	34.0	30.6 - 37.4	35.1	31.9 - 38.2	35.6	32.8 - 38.5
RDW-SD (fL)	49.5	46.5 - 52.4	45.7	43.0 - 48.5	44.9	41.3 - 48.5
RDW-CV (%)	18.7	17.6 - 19.9	15.0	14.1 - 15.9	14.0	12.8 - 15.1
PLT (10 <sup>3</sup> /μL)	95	66 - 123	255	219 - 290	570	507 - 633
MPV (fL)	8.3	7.2 - 9.3	9.5	8.7 - 10.2	9.3	8.6 - 9.9
WBC (10 <sup>3</sup> /μL)	3.20	2.78 - 3.61	7.58	6.82 - 8.33	18.21	16.75 - 19.67
NEUT# (10 <sup>3</sup> /μL)	1.11	0.91 - 1.31	3.04	2.61 - 3.46	8.03	6.98 - 9.07
LYMPH# (10 <sup>3</sup> /μL)	1.20	0.87 - 1.52	2.28	1.73 - 2.83	4.42	3.27 - 5.57
MONO# (10 <sup>3</sup> /μL)	0.32	0.14 - 0.50	0.71	0.35 - 1.06	1.75	0.96 - 2.53
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.38	0.75	0.48 - 1.03	1.91	1.18 - 2.63
BASO# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.41	0.28 - 0.54	1.11	0.78 - 1.45
IG # (10 <sup>3</sup> /μL)	0.29	0.22 - 0.36	0.80	0.64 - 0.95	2.10	1.70 - 2.49
NEUT%	36.3	31.3 - 41.4	42.3	37.6 - 46.9	46.6	42.0 - 51.3
LYMPH%	39.1	29.4 - 48.9	31.7	24.8 - 38.7	25.7	19.3 - 32.1
MONO%	10.5	4.8 - 16.2	9.8	5.1 - 14.6	10.2	5.7 - 14.6
EO%	9.0	5.7 - 12.4	10.5	6.7 - 14.3	11.1	7.0 - 15.2
BASO%	5.0	3.3 - 6.8	5.7	4.0 - 7.4	6.5	4.6 - 8.4
IG (%)	9.5	7.5 - 11.5	11.1	8.9 - 13.3	12.2	10.1 - 14.2
RET%	7.74	5.73 - 9.76	2.90	2.15 - 3.65	1.48	0.98 - 1.98
RET# (10 <sup>6</sup> /μL)	0.1809	0.1321 - 0.2298	0.1254	0.0940 - 0.1567	0.0760	0.0494 - 0.1025
IRF (%)	37.2	1.5 - 72.9	40.9	4.1 - 77.6	37.6	5.3 - 69.9
RET-He (pg)	22.8	19.6 - 26.0	23.6	20.6 - 26.7	24.4	20.7 - 28.0



# XN CHECK™

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

Expiration Date:	<b>2021-12-05</b>		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12581101		12581102		12581103	
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	2.25 - 2.48	4.35	4.18 - 4.52	5.13	4.93 - 5.34
HGB (g/dL)	5.77	5.48 - 6.06	12.72	12.21 - 13.23	16.22	15.57 - 16.87
HCT (%)	16.7	15.6 - 17.9	35.2	33.1 - 37.3	44.1	41.5 - 46.8
MCV (fL)	70.8	66.5 - 75.0	81.0	76.1 - 85.9	85.9	80.8 - 91.1
MCH (pg)	24.4	22.5 - 26.4	29.2	27.2 - 31.3	31.6	29.7 - 33.5
MCHC (g/dL)	34.5	31.0 - 37.9	36.1	32.9 - 39.4	36.8	33.8 - 39.7
RDW-SD (fL)	46.6	43.8 - 49.4	44.5	41.8 - 47.1	44.4	40.9 - 48.0
RDW-CV (%)	18.4	17.3 - 19.5	15.4	14.5 - 16.4	14.5	13.4 - 15.7
PLT (10 <sup>3</sup> /μL)	97	60 - 133	253	225 - 280	563	513 - 614
PLT-F (10 <sup>3</sup> /μL)	86	63 - 110	259	189 - 329	540	416 - 665
IPF (%)	19.3	16.8 - 21.8	20.1	16.1 - 24.1	20.1	15.9 - 24.3
IPF#	16.7	14.5 - 18.8	49.5	39.6 - 59.4	105.9	83.7 - 128.1
MPV (fL)	9.3	7.8 - 10.8	10.7	10.0 - 11.5	10.5	10.0 - 11.1
WBC (10 <sup>3</sup> /μL)	2.95	2.66 - 3.25	6.82	6.34 - 7.30	16.39	15.41 - 17.38
NEUT# (10 <sup>3</sup> /μL)	1.10	0.90 - 1.30	2.98	2.56 - 3.39	7.99	6.95 - 9.03
LYMPH# (10 <sup>3</sup> /μL)	1.03	0.75 - 1.31	2.01	1.53 - 2.49	3.79	2.81 - 4.78
MONO# (10 <sup>3</sup> /μL)	0.42	0.18 - 0.65	0.79	0.39 - 1.18	1.96	1.08 - 2.85
EO# (10 <sup>3</sup> /μL)	0.27	0.17 - 0.37	0.72	0.45 - 0.99	1.85	1.15 - 2.55
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)	0.29	0.23 - 0.35	0.75	0.61 - 0.90	2.00	1.64 - 2.36
NRBC# (10 <sup>3</sup> /μL)	0.15	0.08 - 0.21	0.44	0.32 - 0.56	1.13	0.91 - 1.36
NEUT%	37.2	32.0 - 42.4	43.6	38.8 - 48.4	48.8	43.9 - 53.6
LYMPH%	34.9	26.2 - 43.6	29.4	23.0 - 35.9	23.1	17.4 - 28.9
MONO%	14.1	6.5 - 21.7	11.5	6.0 - 17.1	12.0	6.7 - 17.3
EO%	9.0	5.7 - 12.4	10.6	6.8 - 14.4	11.3	7.1 - 15.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	9.7	7.8 - 11.5	11.1	9.2 - 12.9	12.2	10.2 - 14.2
NRBC% (/100 WBC)	5.0	2.7 - 7.4	6.4	4.6 - 8.2	6.9	5.6 - 8.2
RET%	5.80	4.70 - 6.91	2.27	1.80 - 2.75	1.27	0.80 - 1.74
RET# (10 <sup>6</sup> /μL)	0.1372	0.1070 - 0.1673	0.0988	0.0801 - 0.1176	0.0653	0.0457 - 0.0849
IRF (%)	47.8	1.9 - 93.7	50.2	5.0 - 95.5	41.2	5.8 - 76.6
RET-He (pg)	24.3	20.9 - 27.7	25.6	22.3 - 28.9	26.8	22.8 - 30.8