



# XN CHECK™

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

Expiration Date:	2020-02-02		Quality Control Data Due Date #1: 23-Dec-19		Quality Control Data Due Date #2: 02-Feb-20	
Lot Number:	93171101		93171102		93171103	
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)	2.39	2.27 - 2.51	4.37	4.20 - 4.54	5.38	5.16 - 5.60
HGB (g/dL)	6.0	5.7 - 6.3	12.0	11.5 - 12.5	16.1	15.5 - 16.7
HCT (%)	18.1	16.8 - 19.4	35.7	33.6 - 37.8	46.4	43.6 - 49.2
MCV (fL)	75.7	71.2 - 80.2	81.7	76.8 - 86.6	86.2	81.0 - 91.4
MCH (pg)	25.1	23.1 - 27.1	27.5	25.6 - 29.4	29.9	28.1 - 31.7
MCHC (g/dL)	33.1	29.8 - 36.4	33.6	30.6 - 36.6	34.7	31.9 - 37.5
RDW-SD (fL)	48.2	45.3 - 51.1	48.3	45.4 - 51.2	49.4	45.4 - 53.4
RDW-CV (%)	17.9	16.8 - 19.0	16.7	15.7 - 17.7	16.3	15.0 - 17.6
PLT (10 <sup>3</sup> /μL)	88	55 - 121	244	217 - 271	557	507 - 607
PLT-F (10 <sup>3</sup> /μL)	80	58 - 102	254	185 - 323	526	405 - 647
IPF (%)	19.4	16.9 - 21.9	19.9	15.9 - 23.9	20.6	16.3 - 24.9
IPF#	15.5	13.5 - 17.5	48.0	38.4 - 57.6	105.7	83.5 - 127.9
MPV (fL)	8.2	6.9 - 9.5	9.9	9.2 - 10.6	9.8	9.3 - 10.3
WBC (10 <sup>3</sup> /μL)	2.98	2.68 - 3.28	6.75	6.28 - 7.22	16.25	15.28 - 17.23
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	2.98	2.56 - 3.40	7.76	6.75 - 8.77
LYMPH# (10 <sup>3</sup> /μL)	1.09	0.80 - 1.38	2.08	1.58 - 2.58	4.15	3.07 - 5.23
MONO# (10 <sup>3</sup> /μL)	0.41	0.18 - 0.64	0.83	0.42 - 1.25	1.96	1.08 - 2.84
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.73	0.46 - 1.00	1.91	1.18 - 2.64
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.19	0.33	0.28 - 0.38	0.81	0.70 - 0.92
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.76	0.62 - 0.90	1.96	1.61 - 2.31
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.00	0.80 - 1.20
NEUT%	37.5	32.3 - 42.8	42.9	38.2 - 47.6	46.7	42.0 - 51.4
LYMPH%	35.2	26.4 - 44.0	29.9	23.3 - 36.5	25.0	18.8 - 31.3
MONO%	13.4	6.2 - 20.6	11.9	6.2 - 17.6	11.8	6.6 - 17.0
EO%	9.1	5.7 - 12.5	10.5	6.7 - 14.3	11.5	7.2 - 15.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.5
IG (%)	9.7	7.9 - 11.5	10.9	9.0 - 12.8	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.4	2.4 - 6.4	5.9	4.2 - 7.6	6.0	4.9 - 7.1
RET%	5.19	4.20 - 6.18	1.97	1.56 - 2.38	0.99	0.62 - 1.36
RET# (10 <sup>6</sup> /μL)	0.1240	0.0967 - 0.1513	0.0861	0.0697 - 0.1025	0.0533	0.0373 - 0.0693
IRF (%)	48.9	2.0 - 95.8	50.0	5.0 - 95.0	37.2	5.2 - 69.2
RET-He (pg)	25.4	21.8 - 29.0	26.3	22.9 - 29.7	27.8	23.6 - 32.0



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-02-02		Quality Control Data Due Date #1: 23-Dec-19		Quality Control Data Due Date #2: 02-Feb-20	
Lot Number:	93171101		93171102		93171103	
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)	2.37	2.25 - 2.49	4.34	4.17 - 4.51	5.37	5.16 - 5.58
HGB (g/dL)	6.0	5.7 - 6.3	12.1	11.6 - 12.6	16.1	15.5 - 16.7
HCT (%)	17.8	16.6 - 19.0	35.1	33.0 - 37.2	45.8	43.1 - 48.5
MCV (fL)	75.1	70.6 - 79.6	80.9	76.0 - 85.8	85.3	80.2 - 90.4
MCH (pg)	25.3	23.3 - 27.3	27.9	25.9 - 29.9	30.0	28.2 - 31.8
MCHC (g/dL)	33.7	30.3 - 37.1	34.5	31.4 - 37.6	35.2	32.4 - 38.0
RDW-SD (fL)	47.8	44.9 - 50.7	47.0	44.2 - 49.8	47.7	43.9 - 51.5
RDW-CV (%)	17.8	16.7 - 18.9	16.4	15.4 - 17.4	15.7	14.4 - 17.0
PLT (10 <sup>3</sup> /μL)	91	56 - 126	249	222 - 276	569	518 - 620
MPV (fL)	8.1	6.8 - 9.4	9.7	9.0 - 10.4	9.6	9.1 - 10.1
WBC (10 <sup>3</sup> /μL)	3.24	2.92 - 3.56	7.38	6.86 - 7.90	17.83	16.76 - 18.90
NEUT# (10 <sup>3</sup> /μL)	1.15	0.94 - 1.36	2.94	2.53 - 3.35	7.60	6.61 - 8.59
LYMPH# (10 <sup>3</sup> /μL)	1.21	0.88 - 1.54	2.29	1.74 - 2.84	4.64	3.43 - 5.85
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.72	0.36 - 1.08	1.75	0.96 - 2.54
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.71	0.45 - 0.97	1.97	1.22 - 2.72
BASO# (10 <sup>3</sup> /μL)	0.16	0.12 - 0.20	0.39	0.33 - 0.45	1.04	0.90 - 1.18
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.76	0.62 - 0.90	1.97	1.62 - 2.32
NEUT%	36.7	31.6 - 41.8	41.7	37.1 - 46.3	44.7	40.2 - 49.2
LYMPH%	38.6	29.0 - 48.3	32.5	25.4 - 39.7	27.3	20.5 - 34.1
MONO%	10.8	5.0 - 16.6	10.2	5.3 - 15.1	10.3	5.8 - 14.8
EO%	8.9	5.6 - 12.2	10.0	6.4 - 13.6	11.6	7.3 - 15.9
BASO%	5.0	4.1 - 6.0	5.6	4.9 - 6.3	6.1	5.4 - 6.8
IG (%)	9.5	7.7 - 11.3	10.8	9.0 - 12.6	11.6	9.7 - 13.5
RET%	5.92	4.80 - 7.04	2.11	1.67 - 2.55	0.96	0.60 - 1.32
RET# (10 <sup>6</sup> /μL)	0.1403	0.1094 - 0.1712	0.0916	0.0742 - 0.1090	0.0516	0.0361 - 0.0671
IRF (%)	44.6	1.8 - 87.4	45.0	4.5 - 85.5	37.2	5.2 - 69.2
RET-He (pg)	22.5	19.4 - 25.7	23.1	20.1 - 26.1	24.3	20.7 - 27.9



# XN CHECK™

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

Expiration Date:	<b>2020-02-02</b>		Quality Control Data Due Date #1: 23-Dec-19		Quality Control Data Due Date #2: 02-Feb-20	
Lot Number:	93171101		93171102		93171103	
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	4.35	4.18 - 4.52	5.38	5.16 - 5.60
HGB (g/dL)	5.93	5.63 - 6.23	12.05	11.57 - 12.53	16.12	15.48 - 16.76
HCT (%)	17.3	16.1 - 18.5	33.8	31.8 - 35.8	44.3	41.6 - 47.0
MCV (fL)	73.0	68.6 - 77.4	77.7	73.0 - 82.4	82.3	77.4 - 87.2
MCH (pg)	25.0	23.0 - 27.0	27.7	25.8 - 29.6	30.0	28.2 - 31.8
MCHC (g/dL)	34.3	30.9 - 37.7	35.7	32.5 - 38.9	36.4	33.5 - 39.3
RDW-SD (fL)	46.0	43.2 - 48.8	45.5	42.8 - 48.2	47.4	43.6 - 51.2
RDW-CV (%)	18.0	16.9 - 19.1	16.8	15.8 - 17.8	16.6	15.3 - 17.9
PLT (10 <sup>3</sup> /μL)	93	58 - 128	247	220 - 274	568	517 - 619
PLT-F (10 <sup>3</sup> /μL)	82	60 - 104	252	184 - 320	530	408 - 652
IPF (%)	19.4	16.9 - 21.9	20.1	16.1 - 24.1	20.2	16.0 - 24.4
IPF#	15.9	13.8 - 18.0	48.2	38.6 - 57.8	104.3	82.4 - 126.2
MPV (fL)	9.0	7.6 - 10.4	11.0	10.2 - 11.8	10.8	10.3 - 11.3
WBC (10 <sup>3</sup> /μL)	2.99	2.69 - 3.29	6.73	6.26 - 7.20	16.21	15.24 - 17.18
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	2.99	2.57 - 3.41	7.92	6.89 - 8.95
LYMPH# (10 <sup>3</sup> /μL)	1.09	0.80 - 1.38	2.09	1.59 - 2.59	4.17	3.09 - 5.25
MONO# (10 <sup>3</sup> /μL)	0.40	0.18 - 0.62	0.83	0.42 - 1.25	2.04	1.12 - 2.96
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.70	0.44 - 0.96	1.81	1.12 - 2.50
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.19	0.33	0.28 - 0.38	0.80	0.70 - 0.90
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.76	0.62 - 0.90	1.99	1.63 - 2.35
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.02	0.82 - 1.22
NEUT%	37.6	32.3 - 42.9	43.0	38.3 - 47.7	47.3	42.6 - 52.0
LYMPH%	35.2	26.4 - 44.0	30.1	23.5 - 36.7	24.9	18.7 - 31.1
MONO%	13.1	6.0 - 20.2	12.0	6.2 - 17.8	12.2	6.8 - 17.6
EO%	9.3	5.9 - 12.7	10.0	6.4 - 13.6	10.8	6.8 - 14.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.7	7.9 - 11.5	10.9	9.0 - 12.8	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.4	2.4 - 6.4	5.9	4.2 - 7.6	6.1	4.9 - 7.3
RET%	4.42	3.58 - 5.26	1.70	1.34 - 2.06	0.90	0.57 - 1.23
RET# (10 <sup>6</sup> /μL)	0.1048	0.0817 - 0.1279	0.0740	0.0599 - 0.0881	0.0484	0.0339 - 0.0629
IRF (%)	53.4	2.1 - 104.7	50.7	5.1 - 96.3	36.5	5.1 - 67.9
RET-He (pg)	24.4	21.0 - 27.8	25.5	22.2 - 28.8	27.5	23.4 - 31.6