



# 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:	93151101		93151102		93151103	
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)	2.38	2.26 - 2.50	4.34	4.17 - 4.51	5.29	5.08 - 5.50
HGB (g/dL)	6.0	5.7 - 6.3	11.7	11.2 - 12.2	16.0	15.4 - 16.6
HCT (%)	18.2	16.9 - 19.5	34.9	32.8 - 37.0	46.3	43.5 - 49.1
MCV (fL)	76.5	71.9 - 81.1	80.4	75.6 - 85.2	87.5	82.3 - 92.8
MCH (pg)	25.2	23.2 - 27.2	27.0	25.1 - 28.9	30.2	28.4 - 32.0
MCHC (g/dL)	33.0	29.7 - 36.3	33.5	30.5 - 36.5	34.6	31.8 - 37.4
RDW-SD (fL)	49.5	46.5 - 52.5	47.7	44.8 - 50.6	50.3	46.3 - 54.3
RDW-CV (%)	18.2	17.1 - 19.3	16.7	15.7 - 17.7	16.2	14.9 - 17.5
PLT (10 <sup>3</sup> /μL)	87	54 - 120	243	216 - 270	548	499 - 597
PLT-F (10 <sup>3</sup> /μL)	78	57 - 99	252	184 - 320	520	400 - 640
IPF (%)	19.1	16.6 - 21.6	20.7	16.6 - 24.8	19.8	15.6 - 24.0
IPF#	14.8	12.9 - 16.7	49.7	39.8 - 59.6	100.3	79.2 - 121.4
MPV (fL)	8.7	7.3 - 10.1	9.9	9.2 - 10.6	9.7	9.2 - 10.2
WBC (10 <sup>3</sup> /μL)	2.94	2.65 - 3.23	6.76	6.29 - 7.23	16.14	15.17 - 17.11
NEUT# (10 <sup>3</sup> /μL)	1.17	0.96 - 1.38	2.97	2.55 - 3.39	7.68	6.68 - 8.68
LYMPH# (10 <sup>3</sup> /μL)	1.03	0.75 - 1.31	2.09	1.59 - 2.59	4.22	3.12 - 5.32
MONO# (10 <sup>3</sup> /μL)	0.40	0.18 - 0.62	0.82	0.41 - 1.23	1.95	1.07 - 2.83
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.74	0.47 - 1.01	1.92	1.19 - 2.65
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.19	0.34	0.29 - 0.39	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.76	0.62 - 0.90	1.94	1.59 - 2.29
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.40	0.29 - 0.51	1.04	0.83 - 1.25
NEUT%	38.7	33.3 - 44.1	42.7	38.0 - 47.4	46.4	41.8 - 51.0
LYMPH%	33.9	25.4 - 42.4	30.0	23.4 - 36.6	25.5	19.1 - 31.9
MONO%	13.3	6.1 - 20.5	11.8	6.1 - 17.5	11.8	6.6 - 17.0
EO%	9.4	5.9 - 12.9	10.6	6.8 - 14.4	11.6	7.3 - 15.9
BASO%	4.8	3.9 - 5.7	4.9	4.3 - 5.5	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 11.9	10.9	9.0 - 12.8	11.7	9.8 - 13.6
NRBC% (/100 WBC)	4.7	2.5 - 6.9	5.8	4.2 - 7.4	6.3	5.1 - 7.5
RET%	4.75	3.85 - 5.65	1.89	1.49 - 2.29	0.83	0.52 - 1.14
RET# (10 <sup>6</sup> /μL)	0.1131	0.0882 - 0.1380	0.0820	0.0664 - 0.0976	0.0439	0.0307 - 0.0571
IRF (%)	53.4	2.1 - 104.7	52.6	5.3 - 99.9	37.4	5.2 - 69.6
RET-He (pg)	25.0	21.5 - 28.5	25.9	22.5 - 29.3	28.1	23.9 - 32.3



# 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:	93151101		93151102		93151103	
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	4.33	4.16 - 4.50	5.30	5.09 - 5.51
HGB (g/dL)	6.0	5.7 - 6.3	11.7	11.2 - 12.2	16.0	15.4 - 16.6
HCT (%)	18.0	16.7 - 19.3	34.5	32.4 - 36.6	45.8	43.1 - 48.5
MCV (fL)	75.9	71.3 - 80.5	79.7	74.9 - 84.5	86.4	81.2 - 91.6
MCH (pg)	25.3	23.3 - 27.3	27.0	25.1 - 28.9	30.2	28.4 - 32.0
MCHC (g/dL)	33.3	30.0 - 36.6	33.9	30.8 - 37.0	34.9	32.1 - 37.7
RDW-SD (fL)	49.0	46.1 - 51.9	46.4	43.6 - 49.2	48.5	44.6 - 52.4
RDW-CV (%)	18.1	17.0 - 19.2	16.3	15.3 - 17.3	15.6	14.4 - 16.8
PLT (10 <sup>3</sup> /μL)	90	56 - 124	250	223 - 278	561	511 - 611
MPV (fL)	8.5	7.1 - 9.9	9.7	9.0 - 10.4	9.5	9.0 - 10.0
WBC (10 <sup>3</sup> /μL)	3.20	2.88 - 3.52	7.36	6.84 - 7.88	17.56	16.51 - 18.61
NEUT# (10 <sup>3</sup> /μL)	1.15	0.94 - 1.36	2.91	2.50 - 3.32	7.48	6.51 - 8.45
LYMPH# (10 <sup>3</sup> /μL)	1.15	0.84 - 1.46	2.31	1.76 - 2.86	4.62	3.42 - 5.82
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.72	0.36 - 1.08	1.76	0.97 - 2.55
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.73	0.46 - 1.00	1.87	1.16 - 2.58
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.19	0.39	0.33 - 0.45	1.00	0.87 - 1.13
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.76	0.62 - 0.90	1.94	1.59 - 2.29
NEUT%	37.2	32.0 - 42.4	41.3	36.8 - 45.8	44.7	40.2 - 49.2
LYMPH%	37.2	27.9 - 46.5	32.7	25.5 - 39.9	27.6	20.7 - 34.5
MONO%	11.1	5.1 - 17.1	10.2	5.3 - 15.1	10.5	5.9 - 15.1
EO%	9.5	6.0 - 13.0	10.3	6.6 - 14.0	11.2	7.1 - 15.3
BASO%	5.0	4.1 - 6.0	5.5	4.8 - 6.2	6.0	5.3 - 6.7
IG (%)	9.7	7.9 - 11.5	10.8	9.0 - 12.6	11.6	9.7 - 13.5
RET%	5.60	4.54 - 6.66	2.07	1.64 - 2.50	0.80	0.50 - 1.10
RET# (10 <sup>6</sup> /μL)	0.1327	0.1035 - 0.1619	0.0896	0.0726 - 0.1066	0.0424	0.0297 - 0.0551
IRF (%)	47.0	1.9 - 92.1	47.9	4.8 - 91.0	37.2	5.2 - 69.2
RET-He (pg)	21.9	18.8 - 25.0	22.7	19.7 - 25.7	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:	93151101		93151102		93151103	
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	5.30	5.09 - 5.51
HGB (g/dL)	5.98	5.68 - 6.28	11.74	11.27 - 12.21	16.07	15.43 - 16.71
HCT (%)	17.3	16.1 - 18.5	33.1	31.1 - 35.1	44.0	41.4 - 46.6
MCV (fL)	73.0	68.6 - 77.4	76.1	71.5 - 80.7	83.0	78.0 - 88.0
MCH (pg)	25.2	23.2 - 27.2	27.0	25.1 - 28.9	30.3	28.5 - 32.1
MCHC (g/dL)	34.6	31.1 - 38.1	35.5	32.3 - 38.7	36.5	33.6 - 39.4
RDW-SD (fL)	46.9	44.1 - 49.7	44.8	42.1 - 47.5	47.8	44.0 - 51.6
RDW-CV (%)	18.2	17.1 - 19.3	16.7	15.7 - 17.7	16.4	15.1 - 17.7
PLT (10 <sup>3</sup> /μL)	91	56 - 126	248	221 - 275	563	512 - 614
PLT-F (10 <sup>3</sup> /μL)	80	58 - 102	250	183 - 318	524	403 - 645
IPF (%)	19.3	16.8 - 21.8	19.7	15.8 - 23.6	19.5	15.4 - 23.6
IPF#	15.4	13.4 - 17.4	46.8	37.4 - 56.2	99.8	78.8 - 120.8
MPV (fL)	9.6	8.1 - 11.1	10.9	10.1 - 11.7	10.7	10.2 - 11.2
WBC (10 <sup>3</sup> /μL)	2.95	2.66 - 3.25	6.73	6.26 - 7.20	15.99	15.03 - 16.95
NEUT# (10 <sup>3</sup> /μL)	1.17	0.96 - 1.38	3.00	2.58 - 3.42	7.76	6.75 - 8.77
LYMPH# (10 <sup>3</sup> /μL)	1.02	0.74 - 1.30	2.07	1.57 - 2.57	4.15	3.07 - 5.23
MONO# (10 <sup>3</sup> /μL)	0.41	0.18 - 0.64	0.84	0.42 - 1.26	2.00	1.10 - 2.90
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.71	0.45 - 0.97	1.84	1.14 - 2.54
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	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	1.95	1.60 - 2.30
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.04	0.83 - 1.25
NEUT%	38.6	33.2 - 44.0	43.1	38.4 - 47.8	46.9	42.2 - 51.6
LYMPH%	33.7	25.3 - 42.1	29.8	23.2 - 36.4	25.1	18.8 - 31.4
MONO%	13.6	6.3 - 20.9	12.1	6.3 - 17.9	12.1	6.8 - 17.4
EO%	9.4	5.9 - 12.9	10.2	6.5 - 13.9	11.1	7.0 - 15.2
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.5
IG (%)	9.9	8.0 - 11.8	10.9	9.0 - 12.8	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.5	2.4 - 6.6	5.9	4.2 - 7.6	6.3	5.1 - 7.5
RET%	4.12	3.34 - 4.90	1.64	1.30 - 1.98	0.80	0.50 - 1.10
RET# (10 <sup>6</sup> /μL)	0.0976	0.0761 - 0.1191	0.0713	0.0578 - 0.0848	0.0424	0.0297 - 0.0551
IRF (%)	58.1	2.3 - 113.9	53.0	5.3 - 100.7	36.3	5.1 - 67.5
RET-He (pg)	23.9	20.6 - 27.2	25.2	21.9 - 28.5	27.8	23.6 - 32.0