



# 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:	12591101		12591102		12591103	
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)	2.29	2.18 - 2.41	4.23	4.06 - 4.40	4.93	4.73 - 5.13
HGB (g/dL)	5.3	5.0 - 5.6	12.3	11.8 - 12.8	15.8	15.1 - 16.4
HCT (%)	15.8	14.7 - 16.9	34.8	32.8 - 36.9	43.7	41.1 - 46.4
MCV (fL)	68.9	64.8 - 73.0	82.4	77.5 - 87.4	88.7	83.4 - 94.0
MCH (pg)	23.1	21.3 - 25.0	29.1	27.1 - 31.1	31.9	30.0 - 33.9
MCHC (g/dL)	33.6	30.2 - 36.9	35.3	32.1 - 38.5	36.0	33.1 - 38.9
RDW-SD (fL)	48.5	45.6 - 51.5	45.4	42.6 - 48.1	47.1	43.3 - 50.9
RDW-CV (%)	19.8	18.6 - 21.0	15.5	14.6 - 16.4	14.8	13.6 - 16.0
PLT (10 <sup>3</sup> /μL)	92	57 - 127	248	220 - 275	589	536 - 642
PLT-F (10 <sup>3</sup> /μL)	88	64 - 111	255	186 - 324	569	438 - 700
IPF (%)	19.5	16.9 - 22.0	19.4	15.5 - 23.2	19.8	15.7 - 24.0
IPF#	16.2	14.1 - 18.3	47.0	37.6 - 56.4	110.2	87.0 - 133.3
MPV (fL)	8.4	7.1 - 9.8	9.8	9.1 - 10.4	9.6	9.2 - 10.1
WBC (10 <sup>3</sup> /μL)	3.00	2.70 - 3.30	6.85	6.37 - 7.33	16.34	15.36 - 17.32
NEUT# (10 <sup>3</sup> /μL)	1.17	0.96 - 1.38	2.97	2.55 - 3.38	7.65	6.66 - 8.65
LYMPH# (10 <sup>3</sup> /μL)	1.07	0.78 - 1.36	2.04	1.55 - 2.53	3.99	2.95 - 5.02
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.77	0.39 - 1.16	1.95	1.07 - 2.82
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.38	0.74	0.46 - 1.01	1.97	1.22 - 2.71
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.78	0.68 - 0.88
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.75	0.60 - 0.89	1.94	1.59 - 2.29
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.45	0.33 - 0.57	1.11	0.89 - 1.33
NEUT%	39.0	33.5 - 44.4	43.3	38.6 - 48.1	46.9	42.2 - 51.5
LYMPH%	35.6	26.7 - 44.5	29.8	23.2 - 36.3	24.4	18.3 - 30.5
MONO%	11.4	5.2 - 17.6	11.3	5.9 - 16.7	11.9	6.7 - 17.2
EO%	9.2	5.8 - 12.6	10.8	6.9 - 14.6	12.0	7.6 - 16.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 11.9	10.9	9.0 - 12.7	11.9	10.0 - 13.8
NRBC% (/100 WBC)	5.0	2.7 - 7.3	6.5	4.7 - 8.3	6.8	5.5 - 8.1
RET%	5.38	4.36 - 6.40	2.39	1.88 - 2.89	1.43	0.90 - 1.96
RET# (10 <sup>6</sup> /μL)	0.1234	0.0962 - 0.1505	0.1009	0.0817 - 0.1200	0.0704	0.0493 - 0.0915
IRF (%)	46.5	1.9 - 91.2	48.5	4.9 - 92.2	40.9	5.7 - 76.0
RET-He (pg)	24.4	21.0 - 27.9	25.6	22.2 - 28.9	27.0	23.0 - 31.1



# 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:	12591101		12591102		12591103	
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	4.27	4.10 - 4.44	5.00	4.80 - 5.20
HGB (g/dL)	5.3	5.1 - 5.6	12.3	11.8 - 12.8	15.8	15.2 - 16.4
HCT (%)	15.9	14.8 - 17.0	35.2	33.1 - 37.3	44.3	41.7 - 47.0
MCV (fL)	69.0	64.9 - 73.2	82.4	77.4 - 87.3	88.6	83.3 - 93.9
MCH (pg)	23.2	21.3 - 25.0	28.9	26.9 - 30.9	31.6	29.7 - 33.5
MCHC (g/dL)	33.6	30.2 - 36.9	35.1	31.9 - 38.2	35.6	32.8 - 38.5
RDW-SD (fL)	49.3	46.4 - 52.3	45.8	43.0 - 48.5	46.5	42.8 - 50.2
RDW-CV (%)	19.8	18.7 - 21.0	15.3	14.4 - 16.2	14.4	13.2 - 15.6
PLT (10 <sup>3</sup> /μL)	93	65 - 121	252	217 - 288	602	536 - 668
MPV (fL)	8.3	7.2 - 9.3	9.6	8.9 - 10.4	9.5	8.8 - 10.1
WBC (10 <sup>3</sup> /μL)	3.22	2.80 - 3.64	7.61	6.85 - 8.37	18.13	16.68 - 19.58
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	3.01	2.59 - 3.43	7.78	6.77 - 8.79
LYMPH# (10 <sup>3</sup> /μL)	1.17	0.85 - 1.48	2.30	1.75 - 2.85	4.60	3.41 - 5.80
MONO# (10 <sup>3</sup> /μL)	0.32	0.14 - 0.49	0.73	0.36 - 1.09	1.80	0.99 - 2.61
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.41	0.75	0.47 - 1.03	1.90	1.18 - 2.62
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.41	0.28 - 0.54	1.06	0.74 - 1.38
IG # (10 <sup>3</sup> /μL)	0.30	0.23 - 0.38	0.78	0.63 - 0.94	2.02	1.64 - 2.41
NEUT%	37.5	32.2 - 42.7	41.8	37.2 - 46.4	45.4	40.8 - 49.9
LYMPH%	37.8	28.3 - 47.2	31.9	24.9 - 38.9	26.9	20.1 - 33.6
MONO%	10.2	4.7 - 15.7	10.1	5.3 - 15.0	10.5	5.9 - 15.1
EO%	9.5	6.0 - 13.0	10.4	6.7 - 14.2	11.1	7.0 - 15.2
BASO%	5.0	3.3 - 6.8	5.7	4.0 - 7.4	6.2	4.4 - 8.0
IG (%)	9.8	7.8 - 11.9	10.9	8.7 - 13.0	11.8	9.8 - 13.8
RET%	6.32	4.67 - 7.96	2.64	1.95 - 3.33	1.46	0.96 - 1.96
RET# (10 <sup>6</sup> /μL)	0.1455	0.1062 - 0.1847	0.1128	0.0846 - 0.1409	0.0731	0.0475 - 0.0987
IRF (%)	36.0	1.4 - 70.5	40.0	4.0 - 76.0	35.8	5.0 - 66.5
RET-He (pg)	22.7	19.5 - 25.8	23.5	20.5 - 26.6	24.4	20.8 - 28.1



# 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:	12591101		12591102		12591103	
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)	2.34	2.23 - 2.46	4.30	4.13 - 4.47	5.02	4.82 - 5.22
HGB (g/dL)	5.32	5.06 - 5.59	12.41	11.91 - 12.91	15.90	15.26 - 16.53
HCT (%)	15.6	14.5 - 16.7	34.4	32.3 - 36.5	43.4	40.8 - 46.0
MCV (fL)	66.7	62.7 - 70.7	80.0	75.2 - 84.8	86.5	81.3 - 91.7
MCH (pg)	22.7	20.9 - 24.5	28.9	26.8 - 30.9	31.7	29.8 - 33.6
MCHC (g/dL)	34.0	30.6 - 37.4	36.1	32.8 - 39.3	36.6	33.7 - 39.6
RDW-SD (fL)	46.4	43.6 - 49.1	44.9	42.3 - 47.6	46.4	42.7 - 50.2
RDW-CV (%)	19.6	18.4 - 20.8	15.8	14.8 - 16.7	15.2	14.0 - 16.4
PLT (10 <sup>3</sup> /μL)	96	60 - 133	250	222 - 277	596	542 - 650
PLT-F (10 <sup>3</sup> /μL)	86	63 - 109	256	187 - 326	574	442 - 706
IPF (%)	19.5	17.0 - 22.0	20.1	16.1 - 24.1	20.0	15.8 - 24.2
IPF#	16.8	14.6 - 18.9	49.1	39.3 - 59.0	112.2	88.6 - 135.7
MPV (fL)	9.3	7.8 - 10.8	10.9	10.1 - 11.7	10.7	10.2 - 11.3
WBC (10 <sup>3</sup> /μL)	2.97	2.67 - 3.27	6.83	6.35 - 7.31	16.27	15.29 - 17.24
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	2.99	2.58 - 3.41	7.67	6.67 - 8.67
LYMPH# (10 <sup>3</sup> /μL)	1.04	0.76 - 1.32	1.99	1.51 - 2.47	3.95	2.92 - 4.98
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.55	0.82	0.41 - 1.24	1.99	1.09 - 2.88
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.69	0.43 - 0.94	1.88	1.16 - 2.59
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.78	0.68 - 0.88
IG # (10 <sup>3</sup> /μL)	0.29	0.23 - 0.36	0.76	0.62 - 0.91	1.94	1.59 - 2.29
NRBC# (10 <sup>3</sup> /μL)	0.15	0.08 - 0.21	0.45	0.33 - 0.57	1.12	0.89 - 1.34
NEUT%	39.1	33.6 - 44.5	43.9	39.0 - 48.7	47.2	42.4 - 51.9
LYMPH%	35.0	26.2 - 43.7	29.2	22.8 - 35.6	24.3	18.2 - 30.3
MONO%	11.8	5.4 - 18.1	12.1	6.3 - 17.8	12.2	6.8 - 17.6
EO%	9.4	5.9 - 12.9	10.1	6.5 - 13.7	11.5	7.3 - 15.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	9.9	8.0 - 11.8	11.1	9.2 - 13.0	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.9	2.6 - 7.2	6.6	4.7 - 8.4	6.9	5.6 - 8.2
RET%	4.72	3.82 - 5.62	2.10	1.66 - 2.54	1.26	0.80 - 1.73
RET# (10 <sup>6</sup> /μL)	0.1107	0.0863 - 0.1350	0.0903	0.0732 - 0.1075	0.0635	0.0444 - 0.0825
IRF (%)	48.5	1.9 - 95.1	49.9	5.0 - 94.8	40.3	5.6 - 74.9
RET-He (pg)	24.1	20.7 - 27.5	25.4	22.1 - 28.7	26.9	22.9 - 31.0