



# XN CHECK™

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

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21171101		21171102		21171103	
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)	2.27	2.16 - 2.39	4.22	4.05 - 4.39	4.98	4.78 - 5.18
HGB (g/dL)	5.4	5.1 - 5.6	11.8	11.3 - 12.2	15.5	14.9 - 16.2
HCT (%)	16.0	14.9 - 17.1	33.9	31.8 - 35.9	43.4	40.8 - 46.0
MCV (fL)	70.4	66.2 - 74.6	80.2	75.4 - 85.1	87.3	82.0 - 92.5
MCH (pg)	23.5	21.7 - 25.4	27.9	25.9 - 29.8	31.2	29.3 - 33.1
MCHC (g/dL)	33.4	30.1 - 36.8	34.7	31.6 - 37.9	35.8	32.9 - 38.6
RDW-SD (fL)	50.1	47.1 - 53.1	48.0	45.1 - 50.9	46.0	42.3 - 49.6
RDW-CV (%)	20.0	18.8 - 21.2	16.8	15.8 - 17.8	14.8	13.6 - 16.0
PLT (10 <sup>3</sup> /μL)	90	56 - 124	243	216 - 270	568	517 - 619
PLT-F (10 <sup>3</sup> /μL)	84	61 - 107	254	185 - 322	552	425 - 678
IPF (%)	19.1	16.6 - 21.6	19.8	15.9 - 23.8	20.0	15.8 - 24.2
IPF#	16.0	14.0 - 18.1	47.9	38.3 - 57.5	107.4	84.9 - 130.0
MPV (fL)	8.7	7.3 - 10.1	9.4	8.8 - 10.1	9.2	8.8 - 9.7
WBC (10 <sup>3</sup> /μL)	3.02	2.72 - 3.32	6.84	6.36 - 7.32	16.27	15.29 - 17.24
NEUT# (10 <sup>3</sup> /μL)	1.24	1.02 - 1.47	2.94	2.53 - 3.36	7.77	6.76 - 8.78
LYMPH# (10 <sup>3</sup> /μL)	0.94	0.68 - 1.19	1.98	1.50 - 2.45	3.94	2.92 - 4.97
MONO# (10 <sup>3</sup> /μL)	0.39	0.17 - 0.62	0.87	0.43 - 1.30	1.91	1.05 - 2.77
EO# (10 <sup>3</sup> /μL)	0.30	0.19 - 0.41	0.73	0.46 - 0.99	1.85	1.15 - 2.56
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.32	0.25 - 0.38	0.74	0.60 - 0.89	1.95	1.60 - 2.31
NRBC# (10 <sup>3</sup> /μL)	0.17	0.10 - 0.25	0.42	0.31 - 0.53	1.08	0.87 - 1.30
NEUT%	41.2	35.4 - 46.9	43.0	38.3 - 47.8	47.8	43.0 - 52.6
LYMPH%	31.0	23.3 - 38.8	28.9	22.5 - 35.2	24.2	18.2 - 30.3
MONO%	13.1	6.0 - 20.1	12.7	6.6 - 18.8	11.8	6.6 - 16.9
EO%	9.9	6.3 - 13.6	10.6	6.8 - 14.4	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	10.5	8.5 - 12.5	10.9	9.0 - 12.7	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.7	3.1 - 8.3	6.1	4.4 - 7.8	6.7	5.4 - 7.9
RET%	5.67	4.59 - 6.74	2.44	1.93 - 2.95	1.23	0.78 - 1.69
RET# (10 <sup>6</sup> /μL)	0.1288	0.1004 - 0.1571	0.1029	0.0833 - 0.1224	0.0613	0.0429 - 0.0797
IRF (%)	31.8	1.3 - 62.4	33.5	3.3 - 63.6	27.3	3.8 - 50.8
RET-He (pg)	24.7	21.3 - 28.2	25.8	22.5 - 29.2	27.0	23.0 - 31.1



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21171101		21171102		21171103	
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)	2.28	2.16 - 2.39	4.24	4.07 - 4.41	5.01	4.81 - 5.21
HGB (g/dL)	5.4	5.1 - 5.6	11.8	11.3 - 12.2	15.5	14.9 - 16.2
HCT (%)	16.0	14.9 - 17.1	33.8	31.8 - 35.9	43.6	41.0 - 46.2
MCV (fL)	70.2	66.0 - 74.4	79.8	75.0 - 84.6	87.0	81.8 - 92.2
MCH (pg)	23.6	21.7 - 25.5	27.7	25.8 - 29.7	31.0	29.2 - 32.9
MCHC (g/dL)	33.7	30.3 - 37.0	34.8	31.6 - 37.9	35.6	32.8 - 38.5
RDW-SD (fL)	50.5	47.5 - 53.5	47.9	45.0 - 50.8	45.9	42.2 - 49.6
RDW-CV (%)	20.1	18.9 - 21.4	16.7	15.7 - 17.6	14.5	13.4 - 15.7
PLT (10 <sup>3</sup> /μL)	93	65 - 121	250	215 - 285	573	510 - 636
MPV (fL)	8.5	7.4 - 9.6	9.2	8.5 - 9.9	9.0	8.4 - 9.7
WBC (10 <sup>3</sup> /μL)	3.28	2.86 - 3.71	7.56	6.80 - 8.32	17.91	16.48 - 19.34
NEUT# (10 <sup>3</sup> /μL)	1.25	1.02 - 1.47	3.02	2.60 - 3.44	7.82	6.80 - 8.84
LYMPH# (10 <sup>3</sup> /μL)	1.05	0.77 - 1.33	2.26	1.71 - 2.80	4.45	3.30 - 5.61
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.54	0.79	0.39 - 1.18	1.79	0.98 - 2.59
EO# (10 <sup>3</sup> /μL)	0.31	0.19 - 0.42	0.72	0.45 - 0.98	1.86	1.15 - 2.57
BASO# (10 <sup>3</sup> /μL)	0.17	0.11 - 0.24	0.41	0.28 - 0.54	1.06	0.74 - 1.38
IG # (10 <sup>3</sup> /μL)	0.32	0.24 - 0.41	0.78	0.63 - 0.94	2.04	1.65 - 2.42
NEUT%	40.0	34.4 - 45.6	42.0	37.4 - 46.6	46.1	41.4 - 50.7
LYMPH%	33.6	25.2 - 42.0	31.4	24.5 - 38.3	26.2	19.7 - 32.8
MONO%	11.0	5.1 - 17.0	10.9	5.7 - 16.2	10.5	5.9 - 15.2
EO%	9.9	6.2 - 13.5	10.0	6.4 - 13.6	10.9	6.9 - 15.0
BASO%	5.5	3.6 - 7.4	5.7	4.0 - 7.4	6.2	4.4 - 8.0
IG (%)	10.4	8.2 - 12.6	10.9	8.7 - 13.1	12.0	10.0 - 14.0
RET%	6.55	4.85 - 8.26	2.71	2.00 - 3.41	1.23	0.81 - 1.65
RET# (10 <sup>6</sup> /μL)	0.1491	0.1089 - 0.1894	0.1148	0.0861 - 0.1435	0.0617	0.0401 - 0.0833
IRF (%)	20.5	0.8 - 40.1	22.2	2.2 - 42.1	20.4	2.9 - 37.9
RET-He (pg)	23.4	20.1 - 26.7	24.2	21.0 - 27.3	24.9	21.1 - 28.6



# XN CHECK™

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

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21171101		21171102		21171103	
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)	2.31	2.19 - 2.42	4.27	4.10 - 4.44	5.03	4.83 - 5.24
HGB (g/dL)	5.34	5.08 - 5.61	11.78	11.31 - 12.26	15.63	15.00 - 16.25
HCT (%)	15.9	14.8 - 17.0	33.1	31.2 - 35.1	42.7	40.1 - 45.2
MCV (fL)	68.8	64.6 - 72.9	77.6	73.0 - 82.3	84.7	79.6 - 89.8
MCH (pg)	23.2	21.3 - 25.0	27.6	25.7 - 29.5	31.0	29.2 - 32.9
MCHC (g/dL)	33.7	30.3 - 37.1	35.5	32.3 - 38.7	36.6	33.7 - 39.6
RDW-SD (fL)	47.8	44.9 - 50.6	47.3	44.4 - 50.1	45.4	41.8 - 49.0
RDW-CV (%)	19.8	18.7 - 21.0	17.3	16.2 - 18.3	15.1	13.9 - 16.3
PLT (10 <sup>3</sup> /μL)	94	58 - 130	251	223 - 279	578	526 - 630
PLT-F (10 <sup>3</sup> /μL)	85	62 - 108	256	187 - 325	558	430 - 687
IPF (%)	19.1	16.6 - 21.6	19.8	15.8 - 23.7	20.1	15.8 - 24.3
IPF#	16.2	14.1 - 18.3	48.2	38.5 - 57.8	109.2	86.3 - 132.1
MPV (fL)	9.6	8.0 - 11.1	10.4	9.7 - 11.1	10.2	9.7 - 10.7
WBC (10 <sup>3</sup> /μL)	3.03	2.73 - 3.34	6.83	6.35 - 7.31	16.19	15.22 - 17.16
NEUT# (10 <sup>3</sup> /μL)	1.25	1.03 - 1.48	2.94	2.53 - 3.35	7.72	6.71 - 8.72
LYMPH# (10 <sup>3</sup> /μL)	0.93	0.68 - 1.18	1.97	1.50 - 2.45	3.84	2.84 - 4.84
MONO# (10 <sup>3</sup> /μL)	0.41	0.18 - 0.63	0.88	0.44 - 1.31	1.98	1.09 - 2.88
EO# (10 <sup>3</sup> /μL)	0.30	0.18 - 0.41	0.71	0.45 - 0.98	1.87	1.16 - 2.58
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.78	0.68 - 0.88
IG # (10 <sup>3</sup> /μL)	0.32	0.25 - 0.39	0.74	0.60 - 0.89	1.95	1.60 - 2.30
NRBC# (10 <sup>3</sup> /μL)	0.17	0.10 - 0.25	0.43	0.31 - 0.54	1.07	0.86 - 1.28
NEUT%	41.2	35.5 - 47.0	43.0	38.3 - 47.7	47.7	42.9 - 52.4
LYMPH%	30.7	23.1 - 38.4	28.9	22.5 - 35.2	23.7	17.8 - 29.6
MONO%	13.4	6.2 - 20.7	12.8	6.7 - 19.0	12.3	6.9 - 17.6
EO%	9.8	6.2 - 13.4	10.4	6.7 - 14.2	11.5	7.3 - 15.8
BASO%	4.8	3.9 - 5.8	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.5	8.5 - 12.5	10.9	9.0 - 12.7	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.7	3.1 - 8.3	6.3	4.5 - 8.0	6.6	5.4 - 7.9
RET%	5.24	4.25 - 6.24	2.27	1.79 - 2.74	1.16	0.73 - 1.59
RET# (10 <sup>6</sup> /μL)	0.1209	0.0943 - 0.1475	0.0967	0.0784 - 0.1151	0.0584	0.0409 - 0.0759
IRF (%)	34.4	1.4 - 67.5	36.5	3.7 - 69.4	29.3	4.1 - 54.5
RET-He (pg)	24.6	21.1 - 28.0	25.7	22.4 - 29.0	26.8	22.8 - 30.9