



# XN CHECK™

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

Expiration Date:	2024-06-16		Quality Control Data Due Date #1: 06-May-24		Quality Control Data Due Date #2: 16-Jun-24	
Lot Number:	40881101		40881102		40881103	
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)	2.43	2.31 - 2.55	4.35	4.18 - 4.53	5.11	4.90 - 5.31
HGB (g/dL)	5.7	5.4 - 6.0	11.9	11.4 - 12.4	15.6	15.0 - 16.2
HCT (%)	16.7	15.6 - 17.9	34.2	32.2 - 36.3	43.7	41.0 - 46.3
MCV (fL)	68.8	64.7 - 73.0	78.7	74.0 - 83.4	85.5	80.4 - 90.6
MCH (pg)	23.5	21.6 - 25.4	27.3	25.4 - 29.2	30.6	28.7 - 32.4
MCHC (g/dL)	34.1	30.7 - 37.5	34.7	31.6 - 37.8	35.7	32.9 - 38.6
RDW-SD (fL)	46.4	43.6 - 49.2	48.0	45.1 - 50.9	47.3	43.5 - 51.0
RDW-CV (%)	19.0	17.9 - 20.2	16.9	15.9 - 17.9	15.2	13.9 - 16.4
PLT (10 <sup>3</sup> /μL)	91	56 - 125	248	208 - 287	556	483 - 628
PLT-F (10 <sup>3</sup> /μL)	84	61 - 107	247	181 - 314	531	409 - 653
IPF (%)	19.1	16.6 - 21.6	19.9	15.9 - 23.8	20.2	15.9 - 24.4
IPF#	16.1	14.0 - 18.2	47.9	38.4 - 57.5	105.5	83.4 - 127.7
MPV (fL)	8.6	7.2 - 9.9	10.0	9.2 - 10.8	9.9	9.1 - 10.7
WBC (10 <sup>3</sup> /μL)	2.99	2.69 - 3.29	7.16	6.66 - 7.66	17.11	16.09 - 18.14
NEUT# (10 <sup>3</sup> /μL)	1.17	0.96 - 1.38	3.15	2.71 - 3.59	8.23	7.16 - 9.30
LYMPH# (10 <sup>3</sup> /μL)	1.03	0.75 - 1.30	2.12	1.61 - 2.63	4.01	2.97 - 5.06
MONO# (10 <sup>3</sup> /μL)	0.36	0.16 - 0.56	0.79	0.40 - 1.19	2.12	1.17 - 3.08
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.75	0.47 - 1.02	1.92	1.19 - 2.65
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.40	0.83	0.72 - 0.93
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.80	0.65 - 0.95	2.07	1.70 - 2.44
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.45	0.33 - 0.57	1.11	0.89 - 1.33
NEUT%	39.2	33.7 - 44.7	44.0	39.2 - 48.9	48.1	43.3 - 52.9
LYMPH%	34.3	25.8 - 42.9	29.7	23.1 - 36.2	23.4	17.6 - 29.3
MONO%	12.0	5.5 - 18.5	11.1	5.8 - 16.4	12.4	6.9 - 17.9
EO%	9.7	6.1 - 13.2	10.4	6.7 - 14.2	11.2	7.1 - 15.4
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 12.0	11.2	9.3 - 13.1	12.1	10.1 - 14.0
NRBC% (/100 WBC)	4.6	2.5 - 6.8	6.3	4.5 - 8.0	6.5	5.2 - 7.7
RET%	5.65	4.57 - 6.72	2.36	1.87 - 2.86	1.30	0.82 - 1.78
RET# (10 <sup>6</sup> /μL)	0.1374	0.1071 - 0.1676	0.1029	0.0833 - 0.1224	0.0664	0.0464 - 0.0863
IRF (%)	38.1	1.5 - 74.8	38.3	3.8 - 72.8	32.2	4.5 - 59.9
RET-He (pg)	24.6	21.1 - 28.0	25.7	22.4 - 29.1	26.8	22.8 - 30.8



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-06-16		Quality Control Data Due Date #1: 06-May-24		Quality Control Data Due Date #2: 16-Jun-24	
Lot Number:	40881101		40881102		40881103	
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)	2.44	2.32 - 2.57	4.37	4.19 - 4.54	5.15	4.94 - 5.35
HGB (g/dL)	5.8	5.5 - 6.0	12.0	11.5 - 12.4	15.6	15.0 - 16.2
HCT (%)	16.8	15.6 - 18.0	34.3	32.2 - 36.3	43.8	41.1 - 46.4
MCV (fL)	68.7	64.6 - 72.8	78.5	73.8 - 83.2	85.0	79.9 - 90.1
MCH (pg)	23.5	21.7 - 25.4	27.4	25.5 - 29.3	30.3	28.5 - 32.1
MCHC (g/dL)	34.3	30.8 - 37.7	34.9	31.8 - 38.0	35.7	32.8 - 38.5
RDW-SD (fL)	47.3	44.5 - 50.2	48.1	45.2 - 51.0	46.9	43.1 - 50.6
RDW-CV (%)	19.2	18.0 - 20.3	17.0	16.0 - 18.1	15.3	14.1 - 16.5
PLT (10 <sup>3</sup> /μL)	92	65 - 120	247	212 - 282	553	492 - 614
MPV (fL)	8.6	7.4 - 9.7	10.0	9.2 - 10.8	9.8	9.1 - 10.5
WBC (10 <sup>3</sup> /μL)	3.23	2.81 - 3.65	7.94	7.15 - 8.73	18.95	17.44 - 20.47
NEUT# (10 <sup>3</sup> /μL)	1.19	0.98 - 1.41	3.16	2.72 - 3.60	8.29	7.21 - 9.37
LYMPH# (10 <sup>3</sup> /μL)	1.14	0.83 - 1.45	2.36	1.79 - 2.93	4.54	3.36 - 5.72
MONO# (10 <sup>3</sup> /μL)	0.33	0.14 - 0.51	0.78	0.39 - 1.17	2.03	1.12 - 2.94
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.78	0.49 - 1.06	2.00	1.24 - 2.75
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.43	0.30 - 0.57	1.12	0.78 - 1.45
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.39	0.82	0.66 - 0.99	2.14	1.74 - 2.55
NEUT%	38.4	33.0 - 43.7	42.1	37.5 - 46.7	46.1	41.5 - 50.8
LYMPH%	36.6	27.5 - 45.8	31.4	24.5 - 38.4	25.2	18.9 - 31.5
MONO%	10.5	4.8 - 16.2	10.4	5.4 - 15.3	11.3	6.3 - 16.3
EO%	9.3	5.9 - 12.7	10.3	6.6 - 14.0	11.1	7.0 - 15.2
BASO%	5.2	3.4 - 7.0	5.8	4.0 - 7.5	6.2	4.4 - 8.0
IG (%)	10.0	7.9 - 12.1	11.0	8.8 - 13.2	11.9	9.9 - 14.0
RET%	7.04	5.21 - 8.87	2.73	2.02 - 3.44	1.39	0.92 - 1.87
RET# (10 <sup>6</sup> /μL)	0.1722	0.1257 - 0.2186	0.1190	0.0893 - 0.1488	0.0718	0.0466 - 0.0969
IRF (%)	35.1	1.4 - 68.9	36.6	3.7 - 69.5	33.4	4.7 - 62.1
RET-He (pg)	23.6	20.3 - 26.9	24.4	21.2 - 27.6	25.1	21.4 - 28.9



# XN CHECK™

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

Expiration Date:	<b>2024-06-16</b>		Quality Control Data Due Date #1: 06-May-24		Quality Control Data Due Date #2: 16-Jun-24	
Lot Number:	40881101		40881102		40881103	
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)	2.48	2.36 - 2.61	4.41	4.24 - 4.59	5.18	4.98 - 5.39
HGB (g/dL)	5.72	5.43 - 6.01	11.88	11.41 - 12.36	15.62	14.99 - 16.24
HCT (%)	17.1	15.9 - 18.3	34.2	32.1 - 36.2	43.7	41.0 - 46.3
MCV (fL)	68.7	64.6 - 72.8	77.4	72.8 - 82.1	84.2	79.2 - 89.3
MCH (pg)	23.0	21.2 - 24.9	26.9	25.0 - 28.8	30.1	28.3 - 31.9
MCHC (g/dL)	33.5	30.2 - 36.9	34.8	31.7 - 37.9	35.8	32.9 - 38.6
RDW-SD (fL)	45.2	42.5 - 47.9	47.0	44.2 - 49.9	47.8	44.0 - 51.7
RDW-CV (%)	18.9	17.7 - 20.0	17.4	16.3 - 18.4	16.1	14.8 - 17.4
PLT (10 <sup>3</sup> /μL)	95	59 - 131	253	213 - 294	565	492 - 638
PLT-F (10 <sup>3</sup> /μL)	86	63 - 109	252	184 - 320	541	417 - 666
IPF (%)	19.0	16.6 - 21.5	20.1	16.1 - 24.2	20.0	15.8 - 24.2
IPF#	16.4	14.3 - 18.5	49.5	39.6 - 59.4	106.8	84.4 - 129.2
MPV (fL)	9.7	8.1 - 11.2	11.3	10.4 - 12.2	11.1	10.2 - 12.0
WBC (10 <sup>3</sup> /μL)	3.01	2.71 - 3.31	7.18	6.68 - 7.69	17.26	16.22 - 18.29
NEUT# (10 <sup>3</sup> /μL)	1.18	0.97 - 1.39	3.15	2.71 - 3.60	8.27	7.20 - 9.35
LYMPH# (10 <sup>3</sup> /μL)	1.04	0.76 - 1.33	2.14	1.63 - 2.66	4.07	3.01 - 5.13
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.55	0.81	0.40 - 1.21	2.13	1.17 - 3.08
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.74	0.46 - 1.01	1.95	1.21 - 2.69
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.40	0.84	0.73 - 0.95
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.37	0.80	0.64 - 0.95	2.08	1.70 - 2.45
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.46	0.34 - 0.58	1.11	0.89 - 1.33
NEUT%	39.2	33.7 - 44.7	43.9	39.1 - 48.7	47.9	43.2 - 52.7
LYMPH%	34.7	26.1 - 43.4	29.8	23.3 - 36.4	23.6	17.7 - 29.5
MONO%	11.7	5.4 - 18.0	11.2	5.8 - 16.6	12.3	6.9 - 17.7
EO%	9.6	6.0 - 13.2	10.3	6.6 - 13.9	11.3	7.1 - 15.4
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.4
IG (%)	10.1	8.2 - 12.0	11.1	9.2 - 13.0	12.0	10.1 - 14.0
NRBC% (/100 WBC)	4.7	2.6 - 6.9	6.4	4.6 - 8.2	6.4	5.2 - 7.7
RET%	5.33	4.32 - 6.35	2.23	1.76 - 2.70	1.23	0.77 - 1.68
RET# (10 <sup>6</sup> /μL)	0.1326	0.1034 - 0.1617	0.0983	0.0796 - 0.1170	0.0636	0.0445 - 0.0827
IRF (%)	39.3	1.6 - 77.0	39.5	4.0 - 75.1	32.6	4.6 - 60.7
RET-He (pg)	24.8	21.4 - 28.3	26.1	22.7 - 29.5	27.2	23.1 - 31.3