



# XN CHECK™

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

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20621101		20621102		20621103	
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	2.18 - 2.41	4.27	4.10 - 4.44	4.97	4.77 - 5.17
HGB (g/dL)	5.2	5.0 - 5.5	12.5	12.0 - 12.9	15.6	15.0 - 16.2
HCT (%)	15.7	14.6 - 16.8	35.4	33.3 - 37.5	43.8	41.1 - 46.4
MCV (fL)	68.1	64.0 - 72.2	82.9	77.9 - 87.8	88.1	82.8 - 93.4
MCH (pg)	22.7	20.9 - 24.5	29.1	27.1 - 31.2	31.4	29.6 - 33.3
MCHC (g/dL)	33.3	30.0 - 36.6	35.2	32.0 - 38.3	35.7	32.8 - 38.6
RDW-SD (fL)	48.5	45.6 - 51.4	44.8	42.1 - 47.5	45.1	41.5 - 48.7
RDW-CV (%)	20.2	19.0 - 21.4	15.2	14.3 - 16.1	14.3	13.2 - 15.5
PLT (10 <sup>3</sup> /μL)	92	57 - 127	255	227 - 283	564	513 - 614
PLT-F (10 <sup>3</sup> /μL)	84	61 - 106	277	202 - 352	569	438 - 700
IPF (%)	19.0	16.5 - 21.5	20.2	16.1 - 24.2	20.4	16.1 - 24.7
IPF#	15.9	13.8 - 17.9	53.2	42.6 - 63.8	113.2	89.4 - 136.9
MPV (fL)	9.0	7.5 - 10.4	8.6	8.0 - 9.2	8.5	8.1 - 9.0
WBC (10 <sup>3</sup> /μL)	3.02	2.72 - 3.32	7.37	6.86 - 7.89	17.71	16.65 - 18.77
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	3.19	2.75 - 3.64	8.30	7.23 - 9.38
LYMPH# (10 <sup>3</sup> /μL)	1.01	0.74 - 1.29	2.17	1.65 - 2.69	4.45	3.29 - 5.61
MONO# (10 <sup>3</sup> /μL)	0.42	0.18 - 0.65	0.89	0.45 - 1.34	2.14	1.18 - 3.10
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.76	0.48 - 1.04	1.96	1.22 - 2.71
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.36	0.30 - 0.41	0.85	0.74 - 0.96
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.81	0.66 - 0.96	2.10	1.72 - 2.48
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.42	0.31 - 0.54	1.12	0.89 - 1.34
NEUT%	38.5	33.1 - 43.8	43.3	38.6 - 48.1	46.9	42.2 - 51.6
LYMPH%	33.6	25.2 - 42.0	29.4	23.0 - 35.9	25.1	18.8 - 31.4
MONO%	13.9	6.4 - 21.4	12.1	6.3 - 17.9	12.1	6.8 - 17.4
EO%	9.3	5.8 - 12.7	10.3	6.6 - 14.1	11.1	7.0 - 15.2
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	11.0	9.1 - 12.9	11.8	10.0 - 13.7
NRBC% (/100 WBC)	5.0	2.7 - 7.3	5.8	4.2 - 7.4	6.3	5.1 - 7.5
RET%	6.10	4.94 - 7.26	2.67	2.11 - 3.23	1.49	0.94 - 2.04
RET# (10 <sup>6</sup> /μL)	0.1403	0.1094 - 0.1711	0.1143	0.0926 - 0.1360	0.0740	0.0518 - 0.0962
IRF (%)	40.8	1.6 - 79.9	44.0	4.4 - 83.6	37.4	5.2 - 69.5
RET-He (pg)	24.9	21.4 - 28.4	25.9	22.5 - 29.2	26.6	22.6 - 30.6



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20621101		20621102		20621103	
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)	2.31	2.20 - 2.43	4.31	4.14 - 4.49	5.02	4.82 - 5.22
HGB (g/dL)	5.2	5.0 - 5.5	12.5	12.0 - 13.0	15.6	15.0 - 16.3
HCT (%)	15.8	14.7 - 16.9	35.8	33.7 - 38.0	44.4	41.8 - 47.1
MCV (fL)	68.4	64.3 - 72.5	83.1	78.1 - 88.1	88.5	83.1 - 93.8
MCH (pg)	22.6	20.8 - 24.4	29.0	26.9 - 31.0	31.1	29.3 - 33.0
MCHC (g/dL)	33.1	29.8 - 36.4	34.9	31.7 - 38.0	35.2	32.4 - 38.0
RDW-SD (fL)	49.5	46.5 - 52.4	45.0	42.3 - 47.7	45.0	41.4 - 48.6
RDW-CV (%)	20.3	19.0 - 21.5	15.0	14.1 - 15.9	14.0	12.9 - 15.1
PLT (10 <sup>3</sup> /μL)	96	67 - 124	258	222 - 294	568	505 - 630
MPV (fL)	8.8	7.7 - 10.0	8.5	7.8 - 9.2	8.4	7.8 - 9.0
WBC (10 <sup>3</sup> /μL)	3.23	2.81 - 3.65	8.08	7.27 - 8.89	19.47	17.91 - 21.03
NEUT# (10 <sup>3</sup> /μL)	1.17	0.96 - 1.38	3.21	2.76 - 3.65	8.41	7.32 - 9.51
LYMPH# (10 <sup>3</sup> /μL)	1.14	0.83 - 1.45	2.45	1.87 - 3.04	5.04	3.73 - 6.35
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.55	0.83	0.41 - 1.24	1.97	1.08 - 2.86
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.39	0.80	0.51 - 1.10	2.02	1.26 - 2.79
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.44	0.30 - 0.58	1.13	0.79 - 1.47
IG # (10 <sup>3</sup> /μL)	0.30	0.23 - 0.38	0.84	0.67 - 1.00	2.19	1.78 - 2.61
NEUT%	37.6	32.3 - 42.9	41.5	36.9 - 46.0	45.3	40.8 - 49.8
LYMPH%	36.8	27.6 - 46.0	31.7	24.8 - 38.7	27.1	20.3 - 33.9
MONO%	11.3	5.2 - 17.5	10.7	5.6 - 15.9	10.6	5.9 - 15.3
EO%	9.2	5.8 - 12.6	10.4	6.7 - 14.2	10.9	6.9 - 14.9
BASO%	5.1	3.3 - 6.8	5.7	4.0 - 7.4	6.1	4.3 - 7.9
IG (%)	9.7	7.7 - 11.8	10.8	8.6 - 13.0	11.8	9.8 - 13.8
RET%	7.15	5.29 - 9.01	3.08	2.28 - 3.88	1.60	1.06 - 2.15
RET# (10 <sup>6</sup> /μL)	0.1653	0.1207 - 0.2100	0.1329	0.0997 - 0.1662	0.0806	0.0524 - 0.1088
IRF (%)	29.3	1.2 - 57.4	34.5	3.4 - 65.5	33.4	4.7 - 62.0
RET-He (pg)	23.4	20.1 - 26.7	24.2	21.1 - 27.4	24.8	21.1 - 28.5



# XN CHECK™

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

Expiration Date:	<b>2022-05-22</b>		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20621101		20621102		20621103	
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	4.32	4.15 - 4.49	5.04	4.84 - 5.24
HGB (g/dL)	5.21	4.95 - 5.47	12.51	12.01 - 13.01	15.69	15.06 - 16.32
HCT (%)	15.6	14.5 - 16.7	34.8	32.8 - 36.9	43.0	40.5 - 45.6
MCV (fL)	66.4	62.4 - 70.4	80.6	75.8 - 85.5	85.4	80.3 - 90.5
MCH (pg)	22.2	20.4 - 24.0	28.9	26.9 - 31.0	31.1	29.3 - 33.0
MCHC (g/dL)	33.5	30.1 - 36.8	35.9	32.7 - 39.1	36.5	33.5 - 39.4
RDW-SD (fL)	47.3	44.5 - 50.1	43.6	41.0 - 46.2	44.1	40.5 - 47.6
RDW-CV (%)	20.2	19.0 - 21.4	15.2	14.3 - 16.1	14.5	13.4 - 15.7
PLT (10 <sup>3</sup> /μL)	97	60 - 133	261	233 - 290	579	527 - 631
PLT-F (10 <sup>3</sup> /μL)	84	61 - 107	278	203 - 353	570	439 - 701
IPF (%)	18.9	16.5 - 21.4	19.9	15.9 - 23.9	20.0	15.8 - 24.2
IPF#	16.0	13.9 - 18.0	52.6	42.1 - 63.2	111.1	87.8 - 134.4
MPV (fL)	9.9	8.3 - 11.5	9.5	8.9 - 10.2	9.4	8.9 - 9.9
WBC (10 <sup>3</sup> /μL)	3.01	2.71 - 3.31	7.32	6.80 - 7.83	17.59	16.54 - 18.65
NEUT# (10 <sup>3</sup> /μL)	1.15	0.95 - 1.36	3.14	2.70 - 3.58	8.17	7.11 - 9.24
LYMPH# (10 <sup>3</sup> /μL)	1.00	0.73 - 1.28	2.13	1.62 - 2.64	4.37	3.23 - 5.50
MONO# (10 <sup>3</sup> /μL)	0.43	0.19 - 0.67	0.91	0.46 - 1.37	2.20	1.21 - 3.19
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.39	0.78	0.49 - 1.06	2.01	1.25 - 2.77
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.41	0.85	0.74 - 0.96
IG # (10 <sup>3</sup> /μL)	0.30	0.23 - 0.36	0.80	0.65 - 0.95	2.07	1.69 - 2.44
NRBC# (10 <sup>3</sup> /μL)	0.15	0.08 - 0.21	0.43	0.31 - 0.55	1.11	0.89 - 1.33
NEUT%	38.3	33.0 - 43.7	43.0	38.2 - 47.7	46.5	41.8 - 51.1
LYMPH%	33.3	25.0 - 41.7	29.1	22.7 - 35.5	24.8	18.6 - 31.0
MONO%	14.3	6.6 - 22.0	12.5	6.5 - 18.5	12.5	7.0 - 18.0
EO%	9.3	5.8 - 12.7	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	4.2 - 5.4
IG (%)	9.9	8.0 - 11.7	11.0	9.1 - 12.8	11.7	9.9 - 13.6
NRBC% (/100 WBC)	4.9	2.7 - 7.2	5.9	4.2 - 7.5	6.3	5.1 - 7.5
RET%	5.49	4.44 - 6.53	2.38	1.88 - 2.88	1.36	0.86 - 1.86
RET# (10 <sup>6</sup> /μL)	0.1286	0.1003 - 0.1569	0.1029	0.0833 - 0.1224	0.0684	0.0479 - 0.0890
IRF (%)	43.0	1.7 - 84.3	45.6	4.6 - 86.6	38.1	5.3 - 70.9
RET-He (pg)	24.6	21.2 - 28.1	25.6	22.3 - 29.0	26.5	22.5 - 30.4