



# XN CHECK™

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

Expiration Date:	2024-12-29		Quality Control Data Due Date #1: 18-Nov-24		Quality Control Data Due Date #2: 29-Dec-24	
Lot Number:	42811101		42811102		42811103	
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)	2.36	2.24 - 2.47	4.29	4.12 - 4.46	5.04	4.84 - 5.24
HGB (g/dL)	5.7	5.4 - 6.0	12.0	11.5 - 12.4	15.5	14.8 - 16.1
HCT (%)	16.7	15.5 - 17.9	34.5	32.4 - 36.6	43.7	41.0 - 46.3
MCV (fL)	70.9	66.7 - 75.2	80.4	75.6 - 85.2	86.6	81.4 - 91.8
MCH (pg)	24.1	22.2 - 26.1	27.9	25.9 - 29.8	30.7	28.8 - 32.5
MCHC (g/dL)	34.0	30.6 - 37.4	34.7	31.6 - 37.8	35.4	32.6 - 38.2
RDW-SD (fL)	48.1	45.2 - 50.9	49.0	46.0 - 51.9	49.9	45.9 - 53.9
RDW-CV (%)	18.8	17.7 - 20.0	16.9	15.9 - 17.9	15.8	14.5 - 17.0
PLT (10 <sup>3</sup> /μL)	94	58 - 129	228	192 - 265	520	453 - 588
PLT-F (10 <sup>3</sup> /μL)	86	63 - 109	225	164 - 286	486	375 - 598
IPF (%)	19.1	16.6 - 21.6	20.1	16.1 - 24.1	20.1	15.9 - 24.4
IPF#	16.4	14.2 - 18.5	44.1	35.3 - 53.0	96.4	76.2 - 116.7
MPV (fL)	8.6	7.2 - 10.0	10.0	9.2 - 10.8	9.9	9.1 - 10.6
WBC (10 <sup>3</sup> /μL)	2.96	2.66 - 3.26	7.15	6.65 - 7.65	16.98	15.97 - 18.00
NEUT# (10 <sup>3</sup> /μL)	1.19	0.98 - 1.41	3.21	2.76 - 3.65	8.10	7.05 - 9.16
LYMPH# (10 <sup>3</sup> /μL)	0.95	0.69 - 1.21	1.93	1.46 - 2.39	4.01	2.97 - 5.05
MONO# (10 <sup>3</sup> /μL)	0.38	0.17 - 0.60	0.92	0.46 - 1.38	2.06	1.14 - 2.99
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.75	0.48 - 1.03	1.99	1.23 - 2.74
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.40	0.82	0.71 - 0.93
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.81	0.66 - 0.96	2.03	1.67 - 2.40
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.43	0.31 - 0.54	1.09	0.87 - 1.31
NEUT%	40.2	34.6 - 45.9	44.8	39.9 - 49.8	47.7	42.9 - 52.5
LYMPH%	32.1	24.1 - 40.1	27.0	21.0 - 32.9	23.6	17.7 - 29.5
MONO%	13.0	6.0 - 20.0	12.9	6.7 - 19.0	12.2	6.8 - 17.5
EO%	9.9	6.2 - 13.5	10.6	6.8 - 14.4	11.7	7.4 - 16.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	10.3	8.4 - 12.3	11.3	9.4 - 13.2	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.1	2.7 - 7.4	6.0	4.3 - 7.7	6.4	5.2 - 7.6
RET%	5.57	4.52 - 6.63	2.36	1.87 - 2.86	1.37	0.87 - 1.88
RET# (10 <sup>6</sup> /μL)	0.1314	0.1025 - 0.1603	0.1013	0.0821 - 0.1206	0.0692	0.0485 - 0.0900
IRF (%)	24.4	1.0 - 47.9	26.7	2.7 - 50.7	22.2	3.1 - 41.2
RET-He (pg)	24.2	20.8 - 27.6	25.3	22.0 - 28.5	27.1	23.1 - 31.2



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-12-29		Quality Control Data Due Date #1: 18-Nov-24		Quality Control Data Due Date #2: 29-Dec-24	
Lot Number:	42811101		42811102		42811103	
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)	2.34	2.22 - 2.45	4.27	4.10 - 4.44	5.04	4.84 - 5.24
HGB (g/dL)	5.7	5.4 - 5.9	12.0	11.5 - 12.4	15.5	14.8 - 16.1
HCT (%)	16.5	15.4 - 17.7	34.1	32.1 - 36.2	43.5	40.9 - 46.1
MCV (fL)	70.8	66.5 - 75.0	80.0	75.2 - 84.8	86.3	81.1 - 91.4
MCH (pg)	24.2	22.3 - 26.2	28.0	26.0 - 30.0	30.7	28.8 - 32.5
MCHC (g/dL)	34.2	30.8 - 37.7	35.0	31.9 - 38.2	35.6	32.7 - 38.4
RDW-SD (fL)	49.1	46.2 - 52.0	49.3	46.3 - 52.3	50.1	46.1 - 54.1
RDW-CV (%)	19.1	18.0 - 20.3	17.2	16.2 - 18.2	15.9	14.7 - 17.2
PLT (10 <sup>3</sup> /μL)	96	67 - 125	230	198 - 262	518	461 - 575
MPV (fL)	8.6	7.4 - 9.7	9.9	9.1 - 10.7	9.8	9.1 - 10.5
WBC (10 <sup>3</sup> /μL)	3.20	2.78 - 3.61	7.83	7.05 - 8.62	18.67	17.17 - 20.16
NEUT# (10 <sup>3</sup> /μL)	1.19	0.97 - 1.40	3.20	2.75 - 3.65	8.11	7.06 - 9.16
LYMPH# (10 <sup>3</sup> /μL)	1.05	0.77 - 1.34	2.21	1.68 - 2.74	4.57	3.38 - 5.76
MONO# (10 <sup>3</sup> /μL)	0.36	0.16 - 0.56	0.84	0.42 - 1.25	1.93	1.06 - 2.80
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.77	0.49 - 1.06	2.00	1.24 - 2.76
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.43	0.29 - 0.57	1.11	0.77 - 1.44
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.39	0.83	0.67 - 1.00	2.11	1.71 - 2.51
NEUT%	39.0	33.5 - 44.4	43.0	38.2 - 47.7	45.8	41.2 - 50.3
LYMPH%	34.5	25.9 - 43.1	29.7	23.2 - 36.2	25.8	19.4 - 32.3
MONO%	11.7	5.4 - 18.1	11.2	5.8 - 16.6	10.9	6.1 - 15.7
EO%	9.5	6.0 - 13.0	10.3	6.6 - 14.1	11.3	7.1 - 15.5
BASO%	5.3	3.4 - 7.1	5.8	4.1 - 7.6	6.2	4.4 - 8.1
IG (%)	10.1	8.0 - 12.3	11.2	8.9 - 13.4	11.9	9.9 - 13.9
RET%	6.48	4.79 - 8.16	2.57	1.90 - 3.24	1.42	0.94 - 1.90
RET# (10 <sup>6</sup> /μL)	0.1513	0.1105 - 0.1922	0.1097	0.0823 - 0.1371	0.0716	0.0465 - 0.0966
IRF (%)	18.5	0.7 - 36.2	21.6	2.2 - 41.0	19.1	2.7 - 35.5
RET-He (pg)	22.8	19.6 - 26.0	23.6	20.6 - 26.7	24.6	20.9 - 28.3



# XN CHECK™

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

Expiration Date:	<b>2024-12-29</b>		Quality Control Data Due Date #1: 18-Nov-24		Quality Control Data Due Date #2: 29-Dec-24	
Lot Number:	42811101		42811102		42811103	
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)	2.39	2.27 - 2.51	4.34	4.16 - 4.51	5.10	4.90 - 5.31
HGB (g/dL)	5.67	5.39 - 5.95	12.02	11.54 - 12.50	15.57	14.94 - 16.19
HCT (%)	16.6	15.4 - 17.7	33.8	31.7 - 35.8	42.9	40.4 - 45.5
MCV (fL)	69.5	65.3 - 73.6	77.8	73.2 - 82.5	84.2	79.1 - 89.2
MCH (pg)	23.8	21.9 - 25.7	27.7	25.8 - 29.7	30.5	28.7 - 32.3
MCHC (g/dL)	34.2	30.8 - 37.6	35.6	32.4 - 38.8	36.3	33.4 - 39.2
RDW-SD (fL)	46.4	43.6 - 49.2	48.4	45.5 - 51.3	49.7	45.8 - 53.7
RDW-CV (%)	18.9	17.8 - 20.1	17.7	16.6 - 18.7	16.8	15.4 - 18.1
PLT (10 <sup>3</sup> /μL)	98	61 - 135	233	196 - 271	527	459 - 596
PLT-F (10 <sup>3</sup> /μL)	87	64 - 111	234	171 - 298	501	386 - 616
IPF (%)	19.1	16.6 - 21.6	20.1	16.1 - 24.1	20.1	15.9 - 24.3
IPF#	16.7	14.5 - 18.8	46.0	36.8 - 55.1	99.1	78.3 - 119.9
MPV (fL)	9.6	8.0 - 11.1	11.1	10.2 - 11.9	10.9	10.1 - 11.8
WBC (10 <sup>3</sup> /μL)	2.99	2.69 - 3.29	7.17	6.66 - 7.67	16.93	15.92 - 17.95
NEUT# (10 <sup>3</sup> /μL)	1.19	0.98 - 1.41	3.18	2.73 - 3.62	8.09	7.04 - 9.14
LYMPH# (10 <sup>3</sup> /μL)	0.99	0.72 - 1.25	1.98	1.50 - 2.45	4.08	3.02 - 5.14
MONO# (10 <sup>3</sup> /μL)	0.37	0.16 - 0.58	0.90	0.45 - 1.34	2.01	1.10 - 2.91
EO# (10 <sup>3</sup> /μL)	0.30	0.18 - 0.41	0.77	0.49 - 1.06	1.95	1.21 - 2.69
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.40	0.81	0.71 - 0.92
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.81	0.65 - 0.96	2.03	1.66 - 2.39
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.22	0.42	0.31 - 0.54	1.07	0.85 - 1.28
NEUT%	39.9	34.3 - 45.5	44.4	39.5 - 49.2	47.8	43.0 - 52.5
LYMPH%	32.9	24.7 - 41.2	27.6	21.5 - 33.7	24.1	18.1 - 30.1
MONO%	12.5	5.7 - 19.2	12.5	6.5 - 18.5	11.9	6.6 - 17.1
EO%	9.9	6.2 - 13.5	10.8	6.9 - 14.6	11.5	7.2 - 15.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.2	8.3 - 12.1	11.3	9.4 - 13.2	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.1	2.7 - 7.4	5.9	4.3 - 7.6	6.3	5.1 - 7.5
RET%	5.26	4.26 - 6.26	2.18	1.73 - 2.64	1.28	0.81 - 1.75
RET# (10 <sup>6</sup> /μL)	0.1255	0.0979 - 0.1531	0.0947	0.0767 - 0.1127	0.0652	0.0456 - 0.0848
IRF (%)	23.6	0.9 - 46.2	27.2	2.7 - 51.7	21.9	3.1 - 40.7
RET-He (pg)	24.2	20.8 - 27.5	25.2	21.9 - 28.5	27.0	22.9 - 31.0