



# 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:	42821101		42821102		42821103	
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)	2.32	2.20 - 2.43	4.20	4.03 - 4.37	4.96	4.76 - 5.16
HGB (g/dL)	5.5	5.2 - 5.7	11.7	11.3 - 12.2	15.2	14.6 - 15.8
HCT (%)	16.1	15.0 - 17.2	33.7	31.7 - 35.8	42.8	40.3 - 45.4
MCV (fL)	69.5	65.3 - 73.6	80.3	75.5 - 85.1	86.4	81.2 - 91.6
MCH (pg)	23.6	21.7 - 25.5	27.9	26.0 - 29.9	30.7	28.9 - 32.6
MCHC (g/dL)	33.9	30.5 - 37.3	34.7	31.6 - 37.9	35.6	32.7 - 38.4
RDW-SD (fL)	46.6	43.8 - 49.4	47.0	44.1 - 49.8	49.7	45.7 - 53.6
RDW-CV (%)	18.8	17.7 - 20.0	16.1	15.2 - 17.1	15.8	14.5 - 17.0
PLT (10 <sup>3</sup> /μL)	98	61 - 135	231	194 - 268	534	464 - 603
PLT-F (10 <sup>3</sup> /μL)	89	65 - 113	224	164 - 285	497	383 - 612
IPF (%)	19.1	16.6 - 21.6	20.3	16.2 - 24.3	20.2	16.0 - 24.5
IPF#	17.0	14.8 - 19.2	44.3	35.4 - 53.2	99.0	78.2 - 119.8
MPV (fL)	8.7	7.3 - 10.0	9.9	9.1 - 10.7	9.8	9.0 - 10.5
WBC (10 <sup>3</sup> /μL)	3.03	2.73 - 3.33	6.89	6.41 - 7.37	16.39	15.41 - 17.38
NEUT# (10 <sup>3</sup> /μL)	1.19	0.98 - 1.40	3.09	2.65 - 3.52	8.04	6.99 - 9.08
LYMPH# (10 <sup>3</sup> /μL)	1.07	0.78 - 1.35	1.89	1.44 - 2.34	3.68	2.73 - 4.64
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.54	0.86	0.43 - 1.28	1.95	1.07 - 2.83
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.72	0.46 - 0.99	1.93	1.20 - 2.66
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.79	0.69 - 0.90
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.37	0.78	0.63 - 0.93	2.02	1.65 - 2.38
NRBC# (10 <sup>3</sup> /μL)	0.16	0.09 - 0.23	0.44	0.32 - 0.55	1.11	0.88 - 1.33
NEUT%	39.3	33.8 - 44.8	44.8	39.9 - 49.7	49.0	44.1 - 53.9
LYMPH%	35.2	26.4 - 43.9	27.4	21.4 - 33.5	22.5	16.9 - 28.1
MONO%	11.3	5.2 - 17.5	12.4	6.5 - 18.4	11.9	6.7 - 17.1
EO%	9.5	6.0 - 13.0	10.5	6.7 - 14.3	11.8	7.4 - 16.1
BASO%	4.7	3.8 - 5.6	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.0	8.1 - 11.9	11.3	9.4 - 13.2	12.3	10.3 - 14.3
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.3	4.6 - 8.1	6.8	5.5 - 8.0
RET%	5.91	4.79 - 7.03	2.52	1.99 - 3.05	1.32	0.83 - 1.81
RET# (10 <sup>6</sup> /μL)	0.1369	0.1068 - 0.1670	0.1060	0.0859 - 0.1262	0.0656	0.0459 - 0.0853
IRF (%)	31.7	1.3 - 62.1	32.3	3.2 - 61.4	26.9	3.8 - 50.0
RET-He (pg)	24.0	20.7 - 27.4	25.4	22.1 - 28.7	27.3	23.2 - 31.4



# 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:	42821101		42821102		42821103	
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	4.21	4.04 - 4.38	4.98	4.78 - 5.18
HGB (g/dL)	5.5	5.2 - 5.7	11.8	11.3 - 12.3	15.3	14.7 - 15.9
HCT (%)	16.2	15.0 - 17.3	33.9	31.8 - 35.9	43.2	40.6 - 45.8
MCV (fL)	70.0	65.8 - 74.2	80.4	75.6 - 85.2	86.7	81.5 - 91.9
MCH (pg)	23.7	21.8 - 25.6	28.0	26.0 - 29.9	30.7	28.9 - 32.6
MCHC (g/dL)	33.9	30.5 - 37.2	34.8	31.7 - 37.9	35.4	32.6 - 38.3
RDW-SD (fL)	47.8	44.9 - 50.7	46.9	44.1 - 49.8	50.0	46.0 - 54.0
RDW-CV (%)	18.9	17.8 - 20.1	16.2	15.2 - 17.2	15.9	14.6 - 17.1
PLT (10 <sup>3</sup> /μL)	97	68 - 126	233	200 - 266	538	479 - 597
MPV (fL)	8.8	7.6 - 9.9	9.9	9.1 - 10.7	9.7	9.0 - 10.4
WBC (10 <sup>3</sup> /μL)	3.28	2.85 - 3.70	7.64	6.88 - 8.41	18.28	16.82 - 19.74
NEUT# (10 <sup>3</sup> /μL)	1.20	0.98 - 1.41	3.09	2.66 - 3.52	8.11	7.05 - 9.16
LYMPH# (10 <sup>3</sup> /μL)	1.17	0.85 - 1.49	2.17	1.65 - 2.69	4.20	3.11 - 5.30
MONO# (10 <sup>3</sup> /μL)	0.32	0.14 - 0.49	0.80	0.40 - 1.20	1.89	1.04 - 2.75
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.41	0.77	0.48 - 1.05	1.99	1.23 - 2.75
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.42	0.29 - 0.56	1.10	0.77 - 1.44
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.39	0.81	0.65 - 0.97	2.10	1.70 - 2.50
NEUT%	38.1	32.8 - 43.5	42.6	37.9 - 47.3	46.9	42.2 - 51.5
LYMPH%	37.3	28.0 - 46.6	29.9	23.3 - 36.5	24.3	18.2 - 30.4
MONO%	10.1	4.6 - 15.5	11.1	5.7 - 16.4	11.0	6.1 - 15.8
EO%	9.4	5.9 - 12.8	10.6	6.8 - 14.4	11.5	7.2 - 15.8
BASO%	5.1	3.3 - 6.9	5.8	4.1 - 7.6	6.4	4.5 - 8.2
IG (%)	9.9	7.8 - 12.0	11.1	8.9 - 13.4	12.2	10.1 - 14.2
RET%	7.15	5.29 - 9.01	2.97	2.20 - 3.74	1.39	0.92 - 1.86
RET# (10 <sup>6</sup> /μL)	0.1653	0.1207 - 0.2099	0.1250	0.0937 - 0.1562	0.0692	0.0450 - 0.0934
IRF (%)	27.9	1.1 - 54.7	28.8	2.9 - 54.7	25.7	3.6 - 47.7
RET-He (pg)	22.6	19.4 - 25.8	23.5	20.4 - 26.5	24.8	21.0 - 28.5



# 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:	42821101		42821102		42821103	
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)	2.35	2.23 - 2.46	4.25	4.08 - 4.42	5.02	4.82 - 5.22
HGB (g/dL)	5.43	5.16 - 5.70	11.77	11.30 - 12.24	15.37	14.75 - 15.98
HCT (%)	16.1	15.0 - 17.3	33.1	31.1 - 35.1	42.3	39.8 - 44.8
MCV (fL)	68.7	64.6 - 72.9	77.9	73.3 - 82.6	84.3	79.2 - 89.3
MCH (pg)	23.1	21.3 - 25.0	27.7	25.8 - 29.7	30.6	28.8 - 32.4
MCHC (g/dL)	33.7	30.3 - 37.0	35.6	32.4 - 38.8	36.3	33.4 - 39.2
RDW-SD (fL)	45.7	42.9 - 48.4	46.0	43.2 - 48.8	49.7	45.7 - 53.7
RDW-CV (%)	19.1	18.0 - 20.3	16.9	15.9 - 17.9	16.8	15.5 - 18.1
PLT (10 <sup>3</sup> /μL)	102	63 - 141	235	198 - 273	543	473 - 614
PLT-F (10 <sup>3</sup> /μL)	91	66 - 115	233	170 - 296	512	394 - 629
IPF (%)	19.0	16.6 - 21.5	20.1	16.1 - 24.1	20.1	15.9 - 24.4
IPF#	17.3	15.0 - 19.5	45.8	36.6 - 54.9	101.5	80.2 - 122.8
MPV (fL)	9.6	8.1 - 11.2	11.0	10.1 - 11.9	10.8	10.0 - 11.7
WBC (10 <sup>3</sup> /μL)	3.04	2.74 - 3.35	6.88	6.40 - 7.37	16.41	15.42 - 17.39
NEUT# (10 <sup>3</sup> /μL)	1.19	0.97 - 1.40	3.05	2.62 - 3.47	8.04	7.00 - 9.09
LYMPH# (10 <sup>3</sup> /μL)	1.08	0.79 - 1.37	1.92	1.46 - 2.38	3.76	2.78 - 4.73
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.84	0.42 - 1.26	1.94	1.07 - 2.82
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.75	0.47 - 1.02	1.87	1.16 - 2.58
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.77	0.62 - 0.92	2.00	1.64 - 2.36
NRBC# (10 <sup>3</sup> /μL)	0.16	0.09 - 0.22	0.43	0.32 - 0.55	1.11	0.89 - 1.33
NEUT%	39.1	33.6 - 44.5	44.3	39.4 - 49.1	49.0	44.1 - 53.9
LYMPH%	35.5	26.6 - 44.3	27.9	21.7 - 34.0	22.9	17.2 - 28.6
MONO%	11.2	5.2 - 17.3	12.2	6.3 - 18.1	11.8	6.6 - 17.1
EO%	9.4	5.9 - 12.9	10.9	7.0 - 14.8	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 (%)	10.0	8.1 - 12.0	11.2	9.3 - 13.1	12.2	10.3 - 14.2
NRBC% (/100 WBC)	5.2	2.8 - 7.5	6.3	4.5 - 8.0	6.8	5.5 - 8.1
RET%	5.59	4.53 - 6.66	2.37	1.87 - 2.87	1.26	0.79 - 1.72
RET# (10 <sup>6</sup> /μL)	0.1313	0.1024 - 0.1602	0.1008	0.0816 - 0.1199	0.0632	0.0443 - 0.0822
IRF (%)	31.8	1.3 - 62.2	32.3	3.2 - 61.3	27.1	3.8 - 50.5
RET-He (pg)	23.9	20.5 - 27.2	25.2	21.9 - 28.5	27.3	23.2 - 31.4