



# XN CHECK™

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

Expiration Date:	2024-12-01		Quality Control Data Due Date #1: 21-Oct-24		Quality Control Data Due Date #2: 01-Dec-24	
Lot Number:	42541101		42541102		42541103	
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	4.28	4.11 - 4.45	5.03	4.83 - 5.23
HGB (g/dL)	5.5	5.2 - 5.7	11.8	11.3 - 12.3	15.7	15.0 - 16.3
HCT (%)	16.1	15.0 - 17.2	33.9	31.8 - 35.9	44.0	41.4 - 46.6
MCV (fL)	69.5	65.3 - 73.6	79.1	74.4 - 83.9	87.4	82.2 - 92.7
MCH (pg)	23.5	21.7 - 25.4	27.5	25.6 - 29.5	31.1	29.2 - 33.0
MCHC (g/dL)	33.9	30.5 - 37.3	34.8	31.7 - 37.9	35.6	32.7 - 38.4
RDW-SD (fL)	47.1	44.3 - 50.0	47.4	44.6 - 50.3	46.3	42.6 - 50.0
RDW-CV (%)	19.1	17.9 - 20.2	16.6	15.6 - 17.6	14.7	13.5 - 15.9
PLT (10 <sup>3</sup> /μL)	99	61 - 137	232	194 - 269	528	460 - 597
PLT-F (10 <sup>3</sup> /μL)	90	66 - 115	226	165 - 287	494	380 - 608
IPF (%)	19.1	16.6 - 21.6	19.9	15.9 - 23.9	19.8	15.7 - 24.0
IPF#	17.3	15.0 - 19.5	43.8	35.1 - 52.6	96.5	76.2 - 116.8
MPV (fL)	8.7	7.3 - 10.1	10.0	9.2 - 10.8	9.8	9.0 - 10.6
WBC (10 <sup>3</sup> /μL)	3.05	2.75 - 3.36	7.06	6.57 - 7.56	16.58	15.59 - 17.58
NEUT# (10 <sup>3</sup> /μL)	1.22	1.00 - 1.44	3.09	2.66 - 3.52	7.86	6.84 - 8.89
LYMPH# (10 <sup>3</sup> /μL)	1.04	0.76 - 1.32	2.04	1.55 - 2.53	4.11	3.04 - 5.18
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.54	0.85	0.43 - 1.28	1.95	1.07 - 2.83
EO# (10 <sup>3</sup> /μL)	0.30	0.18 - 0.41	0.74	0.47 - 1.01	1.86	1.15 - 2.56
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.70 - 0.90
IG # (10 <sup>3</sup> /μL)	0.31	0.25 - 0.38	0.78	0.64 - 0.93	1.98	1.62 - 2.33
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.22	0.44	0.32 - 0.56	1.09	0.88 - 1.31
NEUT%	40.0	34.4 - 45.6	43.8	38.9 - 48.6	47.4	42.7 - 52.2
LYMPH%	34.2	25.6 - 42.7	28.9	22.5 - 35.3	24.8	18.6 - 31.0
MONO%	11.3	5.2 - 17.5	12.1	6.3 - 17.9	11.8	6.6 - 16.9
EO%	9.7	6.1 - 13.3	10.5	6.7 - 14.3	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 (%)	10.2	8.3 - 12.2	11.1	9.2 - 13.0	11.9	10.0 - 13.8
NRBC% (/100 WBC)	5.0	2.7 - 7.3	6.2	4.5 - 8.0	6.6	5.3 - 7.9
RET%	5.60	4.54 - 6.67	2.38	1.88 - 2.89	1.17	0.74 - 1.60
RET# (10 <sup>6</sup> /μL)	0.1298	0.1012 - 0.1583	0.1020	0.0826 - 0.1214	0.0589	0.0412 - 0.0765
IRF (%)	22.7	0.9 - 44.5	25.8	2.6 - 49.0	22.1	3.1 - 41.0
RET-He (pg)	24.3	20.9 - 27.6	25.2	21.9 - 28.5	27.2	23.1 - 31.3



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-12-01		Quality Control Data Due Date #1: 21-Oct-24		Quality Control Data Due Date #2: 01-Dec-24	
Lot Number:	42541101		42541102		42541103	
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	5.04	4.84 - 5.24
HGB (g/dL)	5.5	5.2 - 5.7	11.8	11.3 - 12.3	15.7	15.0 - 16.3
HCT (%)	16.0	14.9 - 17.1	33.7	31.7 - 35.8	44.1	41.4 - 46.7
MCV (fL)	69.7	65.5 - 73.9	79.0	74.3 - 83.8	87.4	82.1 - 92.6
MCH (pg)	23.7	21.8 - 25.6	27.7	25.7 - 29.6	31.1	29.2 - 32.9
MCHC (g/dL)	34.0	30.6 - 37.5	35.0	31.9 - 38.2	35.6	32.7 - 38.4
RDW-SD (fL)	48.4	45.5 - 51.3	47.7	44.8 - 50.6	46.7	42.9 - 50.4
RDW-CV (%)	19.3	18.1 - 20.4	16.7	15.7 - 17.7	14.7	13.5 - 15.9
PLT (10 <sup>3</sup> /μL)	100	70 - 129	234	201 - 267	531	472 - 589
MPV (fL)	8.7	7.6 - 9.8	9.9	9.1 - 10.7	9.7	9.0 - 10.4
WBC (10 <sup>3</sup> /μL)	3.28	2.85 - 3.70	7.80	7.02 - 8.58	18.44	16.96 - 19.91
NEUT# (10 <sup>3</sup> /μL)	1.22	1.00 - 1.44	3.13	2.69 - 3.57	7.91	6.88 - 8.94
LYMPH# (10 <sup>3</sup> /μL)	1.14	0.83 - 1.44	2.29	1.74 - 2.84	4.66	3.45 - 5.87
MONO# (10 <sup>3</sup> /μL)	0.32	0.14 - 0.50	0.80	0.40 - 1.20	1.88	1.03 - 2.72
EO# (10 <sup>3</sup> /μL)	0.30	0.18 - 0.41	0.75	0.47 - 1.03	1.93	1.20 - 2.67
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.23	0.42	0.28 - 0.55	1.06	0.75 - 1.38
IG # (10 <sup>3</sup> /μL)	0.32	0.24 - 0.40	0.81	0.65 - 0.98	2.05	1.66 - 2.44
NEUT%	38.9	33.5 - 44.3	42.4	37.7 - 47.0	45.4	40.8 - 49.9
LYMPH%	36.2	27.2 - 45.3	31.0	24.2 - 37.8	26.7	20.0 - 33.4
MONO%	10.2	4.7 - 15.7	10.8	5.6 - 16.0	10.8	6.0 - 15.5
EO%	9.4	5.9 - 12.9	10.1	6.5 - 13.8	11.1	7.0 - 15.2
BASO%	5.3	3.4 - 7.1	5.7	4.0 - 7.4	6.1	4.3 - 7.9
IG (%)	10.1	8.0 - 12.2	11.0	8.8 - 13.2	11.8	9.8 - 13.8
RET%	6.73	4.98 - 8.48	2.75	2.03 - 3.46	1.21	0.80 - 1.62
RET# (10 <sup>6</sup> /μL)	0.1547	0.1129 - 0.1965	0.1172	0.0879 - 0.1464	0.0608	0.0395 - 0.0821
IRF (%)	19.7	0.8 - 38.6	22.1	2.2 - 41.9	19.4	2.7 - 36.0
RET-He (pg)	22.9	19.7 - 26.1	23.6	20.5 - 26.6	24.8	21.1 - 28.6



# XN CHECK™

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

Expiration Date:	<b>2024-12-01</b>		Quality Control Data Due Date #1: 21-Oct-24		Quality Control Data Due Date #2: 01-Dec-24	
Lot Number:	42541101		42541102		42541103	
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 - 2.47	4.31	4.14 - 4.49	5.08	4.87 - 5.28
HGB (g/dL)	5.43	5.16 - 5.70	11.79	11.31 - 12.26	15.70	15.08 - 16.33
HCT (%)	16.1	15.0 - 17.2	33.3	31.3 - 35.3	43.3	40.7 - 45.8
MCV (fL)	68.6	64.4 - 72.7	77.2	72.6 - 81.8	85.2	80.1 - 90.3
MCH (pg)	23.1	21.3 - 24.9	27.3	25.4 - 29.2	30.9	29.1 - 32.8
MCHC (g/dL)	33.7	30.3 - 37.1	35.4	32.2 - 38.6	36.3	33.4 - 39.2
RDW-SD (fL)	45.8	43.0 - 48.5	46.9	44.1 - 49.7	46.9	43.2 - 50.7
RDW-CV (%)	19.2	18.1 - 20.4	17.3	16.2 - 18.3	15.6	14.4 - 16.9
PLT (10 <sup>3</sup> /μL)	104	65 - 144	236	198 - 274	538	468 - 608
PLT-F (10 <sup>3</sup> /μL)	93	68 - 118	234	171 - 297	511	394 - 629
IPF (%)	19.0	16.5 - 21.5	20.0	16.0 - 24.0	20.0	15.8 - 24.2
IPF#	17.8	15.4 - 20.1	45.7	36.6 - 54.9	100.8	79.6 - 121.9
MPV (fL)	9.6	8.1 - 11.2	11.1	10.2 - 12.0	10.9	10.0 - 11.8
WBC (10 <sup>3</sup> /μL)	3.05	2.75 - 3.36	7.05	6.56 - 7.54	16.54	15.55 - 17.53
NEUT# (10 <sup>3</sup> /μL)	1.22	1.00 - 1.44	3.11	2.67 - 3.54	7.85	6.83 - 8.87
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.77 - 1.35	2.05	1.56 - 2.54	4.15	3.07 - 5.23
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.84	0.42 - 1.26	1.93	1.06 - 2.80
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.41	0.71	0.45 - 0.98	1.81	1.12 - 2.50
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.39	0.80	0.69 - 0.90
IG # (10 <sup>3</sup> /μL)	0.31	0.25 - 0.38	0.79	0.64 - 0.94	1.97	1.62 - 2.33
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.22	0.44	0.32 - 0.56	1.09	0.87 - 1.30
NEUT%	39.8	34.3 - 45.4	44.1	39.2 - 48.9	47.5	42.7 - 52.2
LYMPH%	34.7	26.0 - 43.4	29.0	22.7 - 35.4	25.1	18.8 - 31.4
MONO%	11.0	5.1 - 17.0	11.9	6.2 - 17.7	11.7	6.5 - 16.8
EO%	9.6	6.1 - 13.2	10.1	6.5 - 13.7	10.9	6.9 - 15.0
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	11.2	9.3 - 13.1	11.9	10.0 - 13.8
NRBC% (/100 WBC)	5.0	2.7 - 7.2	6.3	4.5 - 8.0	6.6	5.3 - 7.8
RET%	5.25	4.25 - 6.25	2.28	1.80 - 2.75	1.10	0.70 - 1.51
RET# (10 <sup>6</sup> /μL)	0.1234	0.0963 - 0.1506	0.0982	0.0796 - 0.1169	0.0561	0.0393 - 0.0729
IRF (%)	23.4	0.9 - 45.8	26.6	2.7 - 50.5	21.8	3.0 - 40.5
RET-He (pg)	24.3	20.9 - 27.7	25.3	22.0 - 28.6	27.3	23.2 - 31.4