



# XN CHECK™

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

Expiration Date:	2024-10-06		Quality Control Data Due Date #1: 26-Aug-24		Quality Control Data Due Date #2: 06-Oct-24	
Lot Number:	41971101		41971102		41971103	
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	4.36	4.18 - 4.53	5.08	4.88 - 5.29
HGB (g/dL)	5.5	5.2 - 5.8	11.6	11.2 - 12.1	15.6	15.0 - 16.3
HCT (%)	16.3	15.2 - 17.4	33.6	31.6 - 35.6	44.0	41.3 - 46.6
MCV (fL)	70.5	66.2 - 74.7	77.1	72.5 - 81.7	86.6	81.4 - 91.7
MCH (pg)	23.7	21.8 - 25.6	26.7	24.8 - 28.6	30.7	28.9 - 32.6
MCHC (g/dL)	33.7	30.3 - 37.0	34.6	31.5 - 37.8	35.5	32.7 - 38.4
RDW-SD (fL)	46.8	44.0 - 49.6	48.2	45.3 - 51.0	47.9	44.1 - 51.8
RDW-CV (%)	18.6	17.4 - 19.7	17.3	16.3 - 18.4	15.2	14.0 - 16.4
PLT (10 <sup>3</sup> /μL)	94	58 - 130	236	198 - 274	533	463 - 602
PLT-F (10 <sup>3</sup> /μL)	85	62 - 108	225	164 - 285	497	383 - 612
IPF (%)	19.1	16.6 - 21.5	20.0	16.0 - 23.9	19.8	15.6 - 24.0
IPF#	16.2	14.1 - 18.2	43.8	35.0 - 52.5	97.0	76.6 - 117.3
MPV (fL)	8.8	7.4 - 10.2	9.9	9.1 - 10.7	9.7	8.9 - 10.5
WBC (10 <sup>3</sup> /μL)	3.05	2.65 - 3.45	6.77	6.09 - 7.44	16.63	15.13 - 18.13
NEUT# (10 <sup>3</sup> /μL)	1.21	0.99 - 1.43	2.89	2.49 - 3.30	7.99	6.95 - 9.03
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.78 - 1.35	2.00	1.52 - 2.48	4.12	3.05 - 5.19
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.54	0.85	0.42 - 1.27	1.89	1.04 - 2.74
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.71	0.44 - 0.97	1.83	1.14 - 2.53
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.32	0.27 - 0.38	0.80	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.73	0.59 - 0.87	2.01	1.64 - 2.37
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.44	0.32 - 0.56	1.10	0.88 - 1.31
NEUT%	39.6	34.1 - 45.2	42.8	38.0 - 47.5	48.0	43.2 - 52.8
LYMPH%	34.8	26.1 - 43.5	29.5	23.0 - 36.0	24.7	18.6 - 30.9
MONO%	11.3	5.2 - 17.4	12.5	6.5 - 18.5	11.4	6.4 - 16.4
EO%	9.4	6.0 - 12.9	10.4	6.7 - 14.2	11.0	6.9 - 15.1
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	10.1	8.2 - 12.0	10.8	9.0 - 12.7	12.1	10.1 - 14.0
NRBC% (/100 WBC)	4.6	2.5 - 6.7	6.5	4.7 - 8.3	6.6	5.3 - 7.8
RET%	5.76	4.67 - 6.86	2.51	1.98 - 3.03	1.27	0.80 - 1.74
RET# (10 <sup>6</sup> /μL)	0.1333	0.1040 - 0.1627	0.1092	0.0885 - 0.1299	0.0644	0.0451 - 0.0837
IRF (%)	39.7	1.6 - 77.8	39.9	4.0 - 75.8	31.3	4.4 - 58.2
RET-He (pg)	24.2	20.8 - 27.6	25.1	21.8 - 28.3	27.2	23.1 - 31.3



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-10-06		Quality Control Data Due Date #1: 26-Aug-24		Quality Control Data Due Date #2: 06-Oct-24	
Lot Number:	41971101		41971102		41971103	
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)	2.29	2.17 - 2.40	4.32	4.15 - 4.50	5.07	4.87 - 5.28
HGB (g/dL)	5.5	5.2 - 5.8	11.6	11.2 - 12.1	15.6	15.0 - 16.2
HCT (%)	16.1	15.0 - 17.3	33.2	31.2 - 35.2	43.8	41.2 - 46.4
MCV (fL)	70.5	66.3 - 74.8	76.8	72.2 - 81.4	86.3	81.1 - 91.5
MCH (pg)	24.0	22.1 - 25.9	26.9	25.0 - 28.8	30.7	28.9 - 32.6
MCHC (g/dL)	34.0	30.6 - 37.4	35.0	31.9 - 38.2	35.6	32.7 - 38.4
RDW-SD (fL)	47.7	44.8 - 50.6	48.9	46.0 - 51.8	48.3	44.5 - 52.2
RDW-CV (%)	18.8	17.6 - 19.9	17.6	16.5 - 18.7	15.4	14.1 - 16.6
PLT (10 <sup>3</sup> /μL)	97	68 - 126	239	205 - 272	535	476 - 593
MPV (fL)	8.7	7.6 - 9.8	9.9	9.1 - 10.7	9.6	9.0 - 10.3
WBC (10 <sup>3</sup> /μL)	3.30	2.77 - 3.83	7.46	6.49 - 8.43	18.38	16.36 - 20.41
NEUT# (10 <sup>3</sup> /μL)	1.20	0.99 - 1.42	2.91	2.51 - 3.32	8.05	7.01 - 9.10
LYMPH# (10 <sup>3</sup> /μL)	1.17	0.85 - 1.49	2.26	1.72 - 2.80	4.70	3.48 - 5.92
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.79	0.39 - 1.18	1.86	1.02 - 2.69
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.73	0.46 - 1.00	1.88	1.17 - 2.60
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.39	0.27 - 0.52	1.08	0.75 - 1.40
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.39	0.76	0.61 - 0.91	2.09	1.69 - 2.49
NEUT%	38.0	32.7 - 43.4	41.1	36.6 - 45.6	45.9	41.3 - 50.4
LYMPH%	37.0	27.7 - 46.2	31.9	24.9 - 38.9	26.7	20.1 - 33.4
MONO%	10.7	4.9 - 16.4	11.1	5.8 - 16.5	10.6	5.9 - 15.2
EO%	9.2	5.8 - 12.6	10.3	6.6 - 14.0	10.7	6.8 - 14.7
BASO%	5.1	3.3 - 6.9	5.6	3.9 - 7.2	6.1	4.3 - 7.9
IG (%)	9.9	7.8 - 11.9	10.7	8.5 - 12.8	11.9	9.9 - 13.9
RET%	7.07	5.23 - 8.90	2.90	2.15 - 3.65	1.32	0.87 - 1.77
RET# (10 <sup>6</sup> /μL)	0.1617	0.1180 - 0.2053	0.1253	0.0940 - 0.1567	0.0672	0.0437 - 0.0907
IRF (%)	34.2	1.4 - 67.0	35.3	3.5 - 67.0	29.8	4.2 - 55.5
RET-He (pg)	22.9	19.7 - 26.1	23.6	20.5 - 26.6	24.8	21.1 - 28.5



# XN CHECK™

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

Expiration Date:	<b>2024-10-06</b>		Quality Control Data Due Date #1: 26-Aug-24		Quality Control Data Due Date #2: 06-Oct-24	
Lot Number:	41971101		41971102		41971103	
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	4.40	4.23 - 4.58	5.15	4.94 - 5.35
HGB (g/dL)	5.47	5.20 - 5.75	11.65	11.19 - 12.12	15.68	15.05 - 16.30
HCT (%)	16.3	15.2 - 17.5	33.2	31.2 - 35.2	43.6	41.0 - 46.2
MCV (fL)	69.7	65.5 - 73.9	75.5	70.9 - 80.0	84.7	79.6 - 89.8
MCH (pg)	23.4	21.5 - 25.2	26.5	24.6 - 28.3	30.4	28.6 - 32.3
MCHC (g/dL)	33.5	30.2 - 36.9	35.1	31.9 - 38.2	35.9	33.1 - 38.8
RDW-SD (fL)	45.5	42.8 - 48.2	47.4	44.6 - 50.2	48.1	44.2 - 51.9
RDW-CV (%)	18.7	17.6 - 19.8	17.9	16.8 - 18.9	16.1	14.8 - 17.4
PLT (10 <sup>3</sup> /μL)	98	61 - 135	243	204 - 281	545	474 - 616
PLT-F (10 <sup>3</sup> /μL)	88	64 - 111	233	170 - 296	509	392 - 626
IPF (%)	19.1	16.6 - 21.6	20.0	16.0 - 24.0	20.1	15.8 - 24.3
IPF#	16.8	14.6 - 18.9	45.4	36.3 - 54.5	100.6	79.5 - 121.7
MPV (fL)	9.9	8.4 - 11.5	11.2	10.3 - 12.1	11.0	10.1 - 11.8
WBC (10 <sup>3</sup> /μL)	3.08	2.68 - 3.48	6.71	6.04 - 7.38	16.57	15.08 - 18.06
NEUT# (10 <sup>3</sup> /μL)	1.21	0.99 - 1.43	2.84	2.45 - 3.24	7.74	6.73 - 8.74
LYMPH# (10 <sup>3</sup> /μL)	1.09	0.80 - 1.39	2.02	1.54 - 2.51	4.22	3.12 - 5.31
MONO# (10 <sup>3</sup> /μL)	0.35	0.15 - 0.54	0.84	0.42 - 1.26	1.88	1.03 - 2.72
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.69	0.43 - 0.94	1.94	1.21 - 2.68
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.18	0.32	0.27 - 0.38	0.80	0.69 - 0.90
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.72	0.59 - 0.86	1.94	1.59 - 2.29
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.44	0.32 - 0.56	1.08	0.87 - 1.30
NEUT%	39.2	33.7 - 44.7	42.4	37.7 - 47.0	46.7	42.0 - 51.4
LYMPH%	35.4	26.6 - 44.3	30.1	23.5 - 36.7	25.4	19.1 - 31.8
MONO%	11.2	5.2 - 17.3	12.5	6.5 - 18.5	11.3	6.3 - 16.3
EO%	9.4	5.9 - 12.9	10.2	6.5 - 13.9	11.7	7.4 - 16.1
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 11.9	10.8	8.9 - 12.6	11.7	9.8 - 13.6
NRBC% (/100 WBC)	4.5	2.4 - 6.6	6.6	4.8 - 8.5	6.5	5.3 - 7.8
RET%	5.44	4.40 - 6.47	2.30	1.82 - 2.79	1.22	0.77 - 1.67
RET# (10 <sup>6</sup> /μL)	0.1273	0.0993 - 0.1554	0.1013	0.0821 - 0.1206	0.0628	0.0439 - 0.0816
IRF (%)	41.5	1.7 - 81.2	41.0	4.1 - 77.9	31.8	4.5 - 59.1
RET-He (pg)	24.4	20.9 - 27.8	25.3	22.0 - 28.6	27.4	23.3 - 31.5