



# XN CHECK™

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

Expiration Date:	2024-06-16		Quality Control Data Due Date #1: 06-May-24		Quality Control Data Due Date #2: 16-Jun-24	
Lot Number:	40871101		40871102		40871103	
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	4.37	4.19 - 4.54	5.05	4.85 - 5.26
HGB (g/dL)	6.0	5.7 - 6.3	12.1	11.6 - 12.6	15.5	14.9 - 16.1
HCT (%)	17.3	16.1 - 18.5	34.8	32.7 - 36.9	43.5	40.8 - 46.1
MCV (fL)	74.5	70.1 - 79.0	79.6	74.9 - 84.4	86.0	80.8 - 91.1
MCH (pg)	25.9	23.8 - 28.0	27.8	25.8 - 29.7	30.7	28.8 - 32.5
MCHC (g/dL)	34.7	31.3 - 38.2	34.9	31.7 - 38.0	35.7	32.8 - 38.5
RDW-SD (fL)	48.7	45.8 - 51.7	45.4	42.7 - 48.1	49.1	45.2 - 53.0
RDW-CV (%)	18.2	17.1 - 19.3	15.7	14.8 - 16.7	15.7	14.5 - 17.0
PLT (10 <sup>3</sup> /μL)	86	53 - 119	244	205 - 283	562	489 - 635
PLT-F (10 <sup>3</sup> /μL)	81	59 - 103	245	179 - 311	529	407 - 650
IPF (%)	19.2	16.7 - 21.7	19.8	15.9 - 23.8	20.1	15.9 - 24.4
IPF#	15.6	13.6 - 17.6	47.3	37.9 - 56.8	105.0	82.9 - 127.0
MPV (fL)	8.6	7.3 - 10.0	10.0	9.2 - 10.8	9.9	9.1 - 10.7
WBC (10 <sup>3</sup> /μL)	3.01	2.71 - 3.31	6.99	6.50 - 7.48	16.59	15.60 - 17.59
NEUT# (10 <sup>3</sup> /μL)	1.17	0.96 - 1.38	3.06	2.63 - 3.49	7.89	6.87 - 8.92
LYMPH# (10 <sup>3</sup> /μL)	1.05	0.77 - 1.34	2.08	1.58 - 2.58	3.89	2.88 - 4.90
MONO# (10 <sup>3</sup> /μL)	0.35	0.16 - 0.55	0.78	0.39 - 1.16	2.12	1.17 - 3.07
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.39	0.74	0.47 - 1.01	1.89	1.17 - 2.61
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.78	0.63 - 0.92	1.98	1.62 - 2.34
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.43	0.31 - 0.55	1.09	0.87 - 1.30
NEUT%	39.0	33.5 - 44.4	43.8	39.0 - 48.6	47.6	42.8 - 52.3
LYMPH%	35.0	26.3 - 43.8	29.7	23.2 - 36.3	23.4	17.6 - 29.3
MONO%	11.7	5.4 - 18.1	11.1	5.8 - 16.4	12.8	7.2 - 18.4
EO%	9.5	6.0 - 13.0	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	4.3 - 5.4
IG (%)	10.0	8.1 - 11.9	11.1	9.2 - 13.0	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.7	2.6 - 6.9	6.2	4.4 - 7.9	6.6	5.3 - 7.8
RET%	5.82	4.72 - 6.93	2.34	1.85 - 2.83	1.28	0.80 - 1.75
RET# (10 <sup>6</sup> /μL)	0.1349	0.1052 - 0.1646	0.1022	0.0828 - 0.1216	0.0645	0.0452 - 0.0839
IRF (%)	34.1	1.4 - 66.9	35.6	3.6 - 67.7	28.7	4.0 - 53.4
RET-He (pg)	23.9	20.5 - 27.2	24.8	21.6 - 28.0	26.6	22.6 - 30.6



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-06-16		Quality Control Data Due Date #1: 06-May-24		Quality Control Data Due Date #2: 16-Jun-24	
Lot Number:	40871101		40871102		40871103	
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	4.19 - 4.54	5.05	4.85 - 5.25
HGB (g/dL)	6.0	5.7 - 6.3	12.1	11.6 - 12.6	15.4	14.8 - 16.0
HCT (%)	17.3	16.1 - 18.5	34.6	32.5 - 36.7	43.2	40.6 - 45.8
MCV (fL)	74.7	70.2 - 79.1	79.3	74.5 - 84.0	85.5	80.4 - 90.6
MCH (pg)	25.9	23.8 - 28.0	27.8	25.9 - 29.8	30.5	28.7 - 32.3
MCHC (g/dL)	34.7	31.2 - 38.2	35.1	31.9 - 38.2	35.7	32.8 - 38.5
RDW-SD (fL)	49.9	46.9 - 52.9	45.7	42.9 - 48.4	49.1	45.2 - 53.1
RDW-CV (%)	18.5	17.4 - 19.6	15.9	15.0 - 16.9	15.8	14.5 - 17.0
PLT (10 <sup>3</sup> /μL)	88	62 - 115	243	209 - 277	556	495 - 617
MPV (fL)	8.6	7.5 - 9.7	10.0	9.2 - 10.8	9.8	9.2 - 10.5
WBC (10 <sup>3</sup> /μL)	3.27	2.85 - 3.70	7.73	6.96 - 8.50	18.30	16.84 - 19.77
NEUT# (10 <sup>3</sup> /μL)	1.19	0.98 - 1.41	3.11	2.67 - 3.54	7.93	6.89 - 8.96
LYMPH# (10 <sup>3</sup> /μL)	1.16	0.84 - 1.47	2.31	1.75 - 2.86	4.43	3.28 - 5.59
MONO# (10 <sup>3</sup> /μL)	0.33	0.15 - 0.52	0.74	0.37 - 1.11	2.03	1.12 - 2.94
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.75	0.47 - 1.02	1.85	1.14 - 2.55
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.41	0.28 - 0.55	1.07	0.75 - 1.39
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.39	0.80	0.64 - 0.96	2.06	1.67 - 2.45
NEUT%	38.1	32.8 - 43.4	42.4	37.8 - 47.1	45.8	41.2 - 50.4
LYMPH%	36.9	27.6 - 46.1	31.5	24.6 - 38.5	25.6	19.2 - 32.0
MONO%	10.6	4.9 - 16.3	10.2	5.3 - 15.0	11.7	6.6 - 16.9
EO%	9.3	5.9 - 12.8	10.2	6.5 - 13.9	10.7	6.7 - 14.6
BASO%	5.1	3.3 - 6.9	5.7	4.0 - 7.4	6.2	4.4 - 8.0
IG (%)	9.8	7.8 - 11.9	11.0	8.8 - 13.2	11.9	9.9 - 13.9
RET%	6.97	5.16 - 8.79	2.66	1.97 - 3.35	1.34	0.88 - 1.80
RET# (10 <sup>6</sup> /μL)	0.1614	0.1178 - 0.2049	0.1158	0.0869 - 0.1448	0.0677	0.0440 - 0.0914
IRF (%)	30.2	1.2 - 59.2	32.2	3.2 - 61.2	28.8	4.0 - 53.5
RET-He (pg)	22.8	19.6 - 25.9	23.4	20.4 - 26.5	24.6	20.9 - 28.3



# XN CHECK™

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

Expiration Date:	<b>2024-06-16</b>		Quality Control Data Due Date #1: 06-May-24		Quality Control Data Due Date #2: 16-Jun-24	
Lot Number:	40871101		40871102		40871103	
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)	2.37	2.25 - 2.48	4.43	4.25 - 4.61	5.12	4.92 - 5.33
HGB (g/dL)	6.01	5.71 - 6.31	12.13	11.64 - 12.61	15.48	14.86 - 16.10
HCT (%)	17.5	16.3 - 18.7	34.5	32.4 - 36.6	43.2	40.6 - 45.8
MCV (fL)	73.9	69.5 - 78.3	77.9	73.2 - 82.5	84.3	79.3 - 89.4
MCH (pg)	25.4	23.4 - 27.4	27.4	25.5 - 29.3	30.2	28.4 - 32.0
MCHC (g/dL)	34.4	30.9 - 37.8	35.2	32.0 - 38.3	35.8	33.0 - 38.7
RDW-SD (fL)	47.7	44.8 - 50.5	44.5	41.8 - 47.1	49.8	45.8 - 53.8
RDW-CV (%)	18.3	17.2 - 19.4	16.3	15.4 - 17.3	16.7	15.4 - 18.1
PLT (10 <sup>3</sup> /μL)	92	57 - 127	246	207 - 286	571	497 - 645
PLT-F (10 <sup>3</sup> /μL)	83	60 - 105	250	182 - 317	542	418 - 667
IPF (%)	19.2	16.7 - 21.7	20.0	16.0 - 24.0	20.2	15.9 - 24.4
IPF#	15.9	13.8 - 17.9	48.7	39.0 - 58.5	107.7	85.1 - 130.3
MPV (fL)	9.8	8.2 - 11.3	11.3	10.4 - 12.2	11.1	10.2 - 12.0
WBC (10 <sup>3</sup> /μL)	3.04	2.73 - 3.34	7.02	6.53 - 7.51	16.67	15.67 - 17.67
NEUT# (10 <sup>3</sup> /μL)	1.18	0.97 - 1.39	3.04	2.62 - 3.47	7.96	6.93 - 9.00
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.77 - 1.35	2.09	1.59 - 2.60	3.91	2.90 - 4.93
MONO# (10 <sup>3</sup> /μL)	0.36	0.16 - 0.56	0.77	0.39 - 1.16	2.16	1.19 - 3.13
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.77	0.49 - 1.06	1.83	1.13 - 2.53
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.39	0.80	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.37	0.77	0.63 - 0.92	2.00	1.64 - 2.35
NRBC# (10 <sup>3</sup> /μL)	0.15	0.08 - 0.21	0.43	0.31 - 0.55	1.09	0.87 - 1.31
NEUT%	38.9	33.4 - 44.3	43.3	38.5 - 48.1	47.8	43.0 - 52.6
LYMPH%	35.0	26.2 - 43.7	29.8	23.3 - 36.4	23.5	17.6 - 29.4
MONO%	11.9	5.5 - 18.3	11.0	5.7 - 16.3	12.9	7.2 - 18.6
EO%	9.5	6.0 - 13.0	11.0	7.0 - 15.0	11.0	6.9 - 15.0
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	12.0	10.1 - 13.9
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.1	4.4 - 7.8	6.6	5.3 - 7.8
RET%	5.52	4.47 - 6.57	2.20	1.74 - 2.66	1.22	0.77 - 1.66
RET# (10 <sup>6</sup> /μL)	0.1306	0.1018 - 0.1593	0.0974	0.0789 - 0.1159	0.0623	0.0436 - 0.0810
IRF (%)	35.4	1.4 - 69.5	36.4	3.6 - 69.3	29.8	4.2 - 55.5
RET-He (pg)	24.1	20.8 - 27.5	25.1	21.8 - 28.4	26.9	22.8 - 30.9