



# 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:	42831101			42831102		42831103			
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	2.19	- 2.42	4.23	4.06	- 4.40	4.99	4.79	- 5.19
HGB (g/dL)	5.6	5.4	- 5.9	11.9	11.4	- 12.3	15.7	15.0	- 16.3
HCT (%)	16.5	15.3	- 17.7	33.9	31.9	- 36.0	43.7	41.1	- 46.3
MCV (fL)	71.5	67.3	- 75.8	80.2	75.4	- 85.0	87.5	82.3	- 92.8
MCH (pg)	24.5	22.5	- 26.4	28.0	26.0	- 30.0	31.4	29.5	- 33.2
MCHC (g/dL)	34.2	30.8	- 37.6	34.9	31.8	- 38.1	35.8	33.0	- 38.7
RDW-SD (fL)	47.2	44.4	- 50.0	46.1	43.3	- 48.8	47.9	44.0	- 51.7
RDW-CV (%)	18.4	17.3	- 19.5	15.9	14.9	- 16.8	15.0	13.8	- 16.2
PLT (10 <sup>3</sup> /μL)	96	59	- 132	231	194	- 268	530	461	- 599
PLT-F (10 <sup>3</sup> /μL)	88	64	- 112	226	165	- 287	495	381	- 609
IPF (%)	19.1	16.6	- 21.6	19.9	16.0	- 23.9	20.1	15.9	- 24.3
IPF#	16.8	14.7	- 19.0	44.0	35.2	- 52.8	98.2	77.6	- 118.8
MPV (fL)	8.6	7.2	- 10.0	9.7	8.9	- 10.4	9.5	8.7	- 10.3
WBC (10 <sup>3</sup> /μL)	2.98	2.68	- 3.28	6.90	6.41	- 7.38	16.39	15.40	- 17.37
NEUT# (10 <sup>3</sup> /μL)	1.20	0.98	- 1.42	3.09	2.65	- 3.52	7.95	6.92	- 8.99
LYMPH# (10 <sup>3</sup> /μL)	0.95	0.70	- 1.21	1.87	1.42	- 2.32	3.92	2.90	- 4.94
MONO# (10 <sup>3</sup> /μL)	0.39	0.17	- 0.61	0.87	0.43	- 1.30	1.83	1.01	- 2.65
EO# (10 <sup>3</sup> /μL)	0.30	0.18	- 0.41	0.74	0.47	- 1.02	1.89	1.17	- 2.61
BASO# (10 <sup>3</sup> /μL)	0.14	0.11	- 0.18	0.33	0.28	- 0.38	0.79	0.69	- 0.90
IG # (10 <sup>3</sup> /μL)	0.30	0.24	- 0.37	0.78	0.63	- 0.93	2.00	1.64	- 2.36
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09	- 0.21	0.43	0.31	- 0.54	1.10	0.88	- 1.32
NEUT%	40.2	34.6	- 45.8	44.7	39.8	- 49.7	48.5	43.7	- 53.4
LYMPH%	32.0	24.0	- 40.0	27.1	21.2	- 33.1	23.9	18.0	- 29.9
MONO%	13.2	6.1	- 20.3	12.6	6.5	- 18.6	11.2	6.3	- 16.1
EO%	9.9	6.2	- 13.6	10.8	6.9	- 14.6	11.5	7.3	- 15.8
BASO%	4.8	3.9	- 5.7	4.8	4.2	- 5.4	4.8	4.3	- 5.4
IG (%)	10.2	8.2	- 12.1	11.4	9.4	- 13.3	12.2	10.2	- 14.1
NRBC% (/100 WBC)	5.0	2.7	- 7.3	6.2	4.5	- 7.9	6.7	5.4	- 8.0
RET%	5.76	4.67	- 6.86	2.42	1.91	- 2.93	1.24	0.78	- 1.70
RET# (10 <sup>6</sup> /μL)	0.1329	0.1037	- 0.1621	0.1024	0.0830	- 0.1219	0.0618	0.0433	- 0.0804
IRF (%)	23.3	0.9	- 45.6	26.2	2.6	- 49.7	20.9	2.9	- 38.9
RET-He (pg)	24.3	20.9	- 27.7	25.5	22.2	- 28.8	27.8	23.6	- 32.0



# 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:	42831101			42831102		42831103			
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)	2.28	2.17	- 2.40	4.23	4.06	- 4.40	5.01	4.81	- 5.21
HGB (g/dL)	5.6	5.4	- 5.9	11.9	11.4	- 12.4	15.7	15.0	- 16.3
HCT (%)	16.4	15.2	- 17.5	33.9	31.9	- 36.0	43.8	41.2	- 46.4
MCV (fL)	71.7	67.4	- 76.0	80.2	75.4	- 85.0	87.4	82.2	- 92.7
MCH (pg)	24.7	22.7	- 26.7	28.1	26.2	- 30.1	31.3	29.4	- 33.1
MCHC (g/dL)	34.5	31.0	- 37.9	35.1	31.9	- 38.2	35.7	32.9	- 38.6
RDW-SD (fL)	47.9	45.0	- 50.7	46.2	43.5	- 49.0	48.0	44.1	- 51.8
RDW-CV (%)	18.6	17.5	- 19.7	16.0	15.0	- 17.0	15.1	13.9	- 16.3
PLT (10 <sup>3</sup> /μL)	98	69	- 127	232	199	- 264	530	472	- 589
MPV (fL)	8.6	7.5	- 9.7	9.6	8.8	- 10.4	9.4	8.8	- 10.1
WBC (10 <sup>3</sup> /μL)	3.23	2.81	- 3.65	7.65	6.89	- 8.42	18.19	16.73	- 19.64
NEUT# (10 <sup>3</sup> /μL)	1.21	0.99	- 1.42	3.10	2.67	- 3.54	7.93	6.90	- 8.96
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.78	- 1.35	2.14	1.63	- 2.66	4.40	3.25	- 5.54
MONO# (10 <sup>3</sup> /μL)	0.37	0.16	- 0.57	0.82	0.41	- 1.23	1.85	1.02	- 2.69
EO# (10 <sup>3</sup> /μL)	0.29	0.18	- 0.40	0.77	0.48	- 1.05	1.95	1.21	- 2.69
BASO# (10 <sup>3</sup> /μL)	0.17	0.10	- 0.23	0.42	0.28	- 0.55	1.06	0.74	- 1.38
IG # (10 <sup>3</sup> /μL)	0.31	0.24	- 0.39	0.81	0.64	- 0.97	2.05	1.66	- 2.45
NEUT%	39.0	33.5	- 44.4	42.8	38.1	- 47.5	46.1	41.5	- 50.7
LYMPH%	34.4	25.8	- 43.0	29.6	23.1	- 36.1	25.6	19.2	- 32.0
MONO%	11.8	5.4	- 18.1	11.3	5.9	- 16.8	10.8	6.0	- 15.5
EO%	9.5	6.0	- 13.0	10.6	6.8	- 14.4	11.3	7.1	- 15.5
BASO%	5.4	3.5	- 7.4	5.8	4.0	- 7.5	6.2	4.4	- 8.0
IG (%)	10.1	8.0	- 12.2	11.1	8.9	- 13.3	12.0	9.9	- 14.0
RET%	6.80	5.03	- 8.56	2.77	2.05	- 3.49	1.26	0.83	- 1.69
RET# (10 <sup>6</sup> /μL)	0.1552	0.1133	- 0.1971	0.1171	0.0878	- 0.1463	0.0631	0.0410	- 0.0851
IRF (%)	19.0	0.8	- 37.3	21.2	2.1	- 40.3	18.2	2.6	- 33.9
RET-He (pg)	22.8	19.6	- 26.0	23.6	20.5	- 26.6	25.0	21.3	- 28.8



# 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:	42831101		42831102		42831103	
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	4.28	4.10 - 4.45	5.05	4.85 - 5.25
HGB (g/dL)	5.65	5.37 - 5.93	11.90	11.43 - 12.38	15.77	15.14 - 16.40
HCT (%)	16.7	15.5 - 17.8	33.6	31.6 - 35.6	43.4	40.8 - 46.0
MCV (fL)	71.1	66.8 - 75.3	78.6	73.9 - 83.3	86.0	80.8 - 91.1
MCH (pg)	24.1	22.2 - 26.0	27.8	25.9 - 29.8	31.2	29.4 - 33.1
MCHC (g/dL)	33.9	30.5 - 37.3	35.4	32.2 - 38.6	36.3	33.4 - 39.3
RDW-SD (fL)	47.0	44.1 - 49.8	45.8	43.1 - 48.6	49.2	45.3 - 53.1
RDW-CV (%)	18.7	17.6 - 19.8	16.6	15.6 - 17.6	16.2	14.9 - 17.5
PLT (10 <sup>3</sup> /μL)	101	62 - 139	236	198 - 274	536	466 - 606
PLT-F (10 <sup>3</sup> /μL)	90	66 - 114	235	171 - 298	510	393 - 627
IPF (%)	19.0	16.6 - 21.5	20.1	16.1 - 24.1	20.3	16.0 - 24.6
IPF#	17.1	14.9 - 19.3	46.1	36.9 - 55.3	101.9	80.5 - 123.3
MPV (fL)	9.5	8.0 - 11.1	10.7	9.9 - 11.6	10.5	9.7 - 11.4
WBC (10 <sup>3</sup> /μL)	3.00	2.70 - 3.31	6.86	6.38 - 7.34	16.40	15.42 - 17.39
NEUT# (10 <sup>3</sup> /μL)	1.21	0.99 - 1.43	3.06	2.63 - 3.48	7.88	6.86 - 8.91
LYMPH# (10 <sup>3</sup> /μL)	0.99	0.72 - 1.25	1.89	1.44 - 2.34	3.97	2.94 - 5.01
MONO# (10 <sup>3</sup> /μL)	0.37	0.16 - 0.58	0.87	0.43 - 1.30	1.83	1.01 - 2.65
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.72	0.45 - 0.98	1.92	1.19 - 2.64
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.80	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.31	0.24 - 0.37	0.78	0.63 - 0.92	1.99	1.63 - 2.34
NRBC# (10 <sup>3</sup> /μL)	0.16	0.09 - 0.22	0.42	0.31 - 0.54	1.09	0.87 - 1.31
NEUT%	40.3	34.6 - 45.9	44.5	39.6 - 49.4	48.1	43.2 - 52.9
LYMPH%	32.8	24.6 - 41.0	27.5	21.5 - 33.6	24.2	18.2 - 30.3
MONO%	12.4	5.7 - 19.2	12.6	6.6 - 18.7	11.2	6.2 - 16.1
EO%	9.7	6.1 - 13.3	10.5	6.7 - 14.2	11.7	7.4 - 16.0
BASO%	4.7	3.8 - 5.7	4.8	4.2 - 5.5	4.9	4.3 - 5.5
IG (%)	10.3	8.3 - 12.2	11.3	9.4 - 13.2	12.1	10.2 - 14.0
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.2	4.4 - 7.9	6.7	5.4 - 7.9
RET%	5.40	4.37 - 6.42	2.25	1.78 - 2.73	1.17	0.74 - 1.60
RET# (10 <sup>6</sup> /μL)	0.1266	0.0987 - 0.1545	0.0964	0.0781 - 0.1147	0.0590	0.0413 - 0.0767
IRF (%)	23.6	0.9 - 46.2	26.0	2.6 - 49.4	20.6	2.9 - 38.3
RET-He (pg)	24.1	20.8 - 27.5	25.4	22.1 - 28.7	27.6	23.5 - 31.8