



# 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:	42531101		42531102		42531103	
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)	2.37	2.25 - 2.49	4.33	4.16 - 4.50	5.04	4.84 - 5.24
HGB (g/dL)	5.6	5.3 - 5.9	11.9	11.5 - 12.4	15.8	15.1 - 16.4
HCT (%)	16.5	15.4 - 17.7	34.4	32.4 - 36.5	44.4	41.8 - 47.1
MCV (fL)	69.7	65.5 - 73.9	79.5	74.8 - 84.3	88.2	82.9 - 93.5
MCH (pg)	23.5	21.7 - 25.4	27.6	25.6 - 29.5	31.3	29.4 - 33.2
MCHC (g/dL)	33.8	30.4 - 37.2	34.7	31.6 - 37.8	35.5	32.6 - 38.3
RDW-SD (fL)	47.3	44.5 - 50.1	47.4	44.5 - 50.2	48.7	44.8 - 52.6
RDW-CV (%)	19.1	18.0 - 20.3	16.5	15.5 - 17.5	15.2	13.9 - 16.4
PLT (10 <sup>3</sup> /μL)	97	60 - 135	230	193 - 266	515	448 - 582
PLT-F (10 <sup>3</sup> /μL)	89	65 - 113	221	161 - 281	480	369 - 590
IPF (%)	18.9	16.5 - 21.4	20.0	16.0 - 24.0	19.6	15.5 - 23.8
IPF#	16.8	14.6 - 18.9	43.1	34.5 - 51.8	92.8	73.3 - 112.3
MPV (fL)	8.7	7.3 - 10.1	10.2	9.4 - 11.0	10.0	9.2 - 10.8
WBC (10 <sup>3</sup> /μL)	3.18	2.87 - 3.50	7.14	6.64 - 7.64	16.83	15.82 - 17.84
NEUT# (10 <sup>3</sup> /μL)	1.26	1.03 - 1.48	3.22	2.77 - 3.67	8.12	7.07 - 9.18
LYMPH# (10 <sup>3</sup> /μL)	1.09	0.80 - 1.39	1.98	1.50 - 2.46	3.87	2.86 - 4.87
MONO# (10 <sup>3</sup> /μL)	0.37	0.16 - 0.58	0.83	0.42 - 1.25	2.11	1.16 - 3.06
EO# (10 <sup>3</sup> /μL)	0.31	0.19 - 0.43	0.77	0.49 - 1.06	1.91	1.18 - 2.64
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.19	0.35	0.29 - 0.40	0.81	0.71 - 0.92
IG # (10 <sup>3</sup> /μL)	0.32	0.25 - 0.39	0.81	0.66 - 0.97	2.04	1.67 - 2.41
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.21	0.45	0.33 - 0.57	1.10	0.88 - 1.32
NEUT%	39.5	33.9 - 45.0	45.0	40.1 - 50.0	48.3	43.5 - 53.1
LYMPH%	34.4	25.8 - 42.9	27.7	21.6 - 33.8	23.0	17.2 - 28.7
MONO%	11.7	5.4 - 17.9	11.6	6.1 - 17.2	12.5	7.0 - 18.1
EO%	9.7	6.1 - 13.3	10.8	6.9 - 14.7	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.1	8.2 - 12.0	11.4	9.4 - 13.3	12.1	10.2 - 14.1
NRBC% (/100 WBC)	4.5	2.5 - 6.6	6.3	4.5 - 8.1	6.5	5.3 - 7.8
RET%	5.95	4.82 - 7.08	2.51	1.98 - 3.04	1.28	0.81 - 1.76
RET# (10 <sup>6</sup> /μL)	0.1413	0.1102 - 0.1724	0.1087	0.0880 - 0.1293	0.0647	0.0453 - 0.0841
IRF (%)	22.7	0.9 - 44.5	26.8	2.7 - 50.8	21.4	3.0 - 39.8
RET-He (pg)	24.7	21.2 - 28.1	25.7	22.4 - 29.0	27.7	23.6 - 31.9



# 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:	42531101		42531102		42531103	
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)	2.34	2.23 - 2.46	4.30	4.13 - 4.47	5.04	4.83 - 5.24
HGB (g/dL)	5.5	5.3 - 5.8	11.9	11.4 - 12.4	15.7	15.1 - 16.4
HCT (%)	16.3	15.2 - 17.5	34.0	32.0 - 36.1	44.3	41.6 - 46.9
MCV (fL)	69.6	65.5 - 73.8	79.2	74.4 - 83.9	87.9	82.6 - 93.2
MCH (pg)	23.7	21.8 - 25.6	27.7	25.8 - 29.7	31.3	29.4 - 33.1
MCHC (g/dL)	34.0	30.6 - 37.4	35.0	31.9 - 38.2	35.6	32.7 - 38.4
RDW-SD (fL)	48.5	45.6 - 51.4	47.7	44.8 - 50.5	48.5	44.6 - 52.4
RDW-CV (%)	19.3	18.1 - 20.5	16.7	15.7 - 17.7	15.2	14.0 - 16.5
PLT (10 <sup>3</sup> /μL)	99	69 - 129	231	199 - 263	517	460 - 574
MPV (fL)	8.7	7.6 - 9.8	10.1	9.3 - 10.9	9.9	9.3 - 10.6
WBC (10 <sup>3</sup> /μL)	3.40	2.96 - 3.84	7.86	7.07 - 8.65	18.56	17.08 - 20.05
NEUT# (10 <sup>3</sup> /μL)	1.25	1.02 - 1.47	3.21	2.76 - 3.66	8.07	7.02 - 9.12
LYMPH# (10 <sup>3</sup> /μL)	1.21	0.88 - 1.53	2.21	1.68 - 2.74	4.40	3.26 - 5.55
MONO# (10 <sup>3</sup> /μL)	0.33	0.15 - 0.52	0.79	0.40 - 1.19	2.02	1.11 - 2.93
EO# (10 <sup>3</sup> /μL)	0.31	0.19 - 0.42	0.78	0.49 - 1.08	1.96	1.22 - 2.71
BASO# (10 <sup>3</sup> /μL)	0.17	0.11 - 0.24	0.44	0.30 - 0.58	1.11	0.78 - 1.44
IG # (10 <sup>3</sup> /μL)	0.33	0.24 - 0.41	0.84	0.67 - 1.01	2.09	1.69 - 2.49
NEUT%	38.2	32.9 - 43.6	43.2	38.4 - 47.9	46.0	41.4 - 50.6
LYMPH%	36.9	27.7 - 46.1	29.7	23.2 - 36.3	25.1	18.8 - 31.3
MONO%	10.2	4.7 - 15.8	10.7	5.5 - 15.8	11.5	6.4 - 16.6
EO%	9.4	5.9 - 12.9	10.6	6.8 - 14.4	11.2	7.0 - 15.3
BASO%	5.2	3.4 - 7.1	5.9	4.1 - 7.6	6.3	4.5 - 8.2
IG (%)	10.0	7.9 - 12.1	11.3	9.0 - 13.5	11.9	9.9 - 13.9
RET%	7.05	5.22 - 8.88	2.87	2.12 - 3.62	1.33	0.88 - 1.79
RET# (10 <sup>6</sup> /μL)	0.1653	0.1206 - 0.2099	0.1234	0.0926 - 0.1543	0.0671	0.0436 - 0.0906
IRF (%)	17.5	0.7 - 34.3	21.1	2.1 - 40.0	18.7	2.6 - 34.7
RET-He (pg)	23.3	20.1 - 26.6	24.1	21.0 - 27.2	25.4	21.6 - 29.3



# 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:	42531101		42531102		42531103	
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)	2.41	2.29 - 2.53	4.37	4.19 - 4.54	5.09	4.89 - 5.29
HGB (g/dL)	5.56	5.28 - 5.84	11.95	11.48 - 12.43	15.82	15.19 - 16.45
HCT (%)	16.5	15.4 - 17.7	33.6	31.6 - 35.7	43.6	41.0 - 46.2
MCV (fL)	68.7	64.6 - 72.8	77.0	72.4 - 81.7	85.7	80.5 - 90.8
MCH (pg)	23.1	21.3 - 25.0	27.4	25.5 - 29.3	31.1	29.2 - 32.9
MCHC (g/dL)	33.6	30.3 - 37.0	35.5	32.3 - 38.7	36.3	33.4 - 39.2
RDW-SD (fL)	46.2	43.4 - 48.9	46.4	43.6 - 49.1	48.2	44.3 - 52.1
RDW-CV (%)	19.4	18.2 - 20.6	17.1	16.1 - 18.2	16.0	14.7 - 17.2
PLT (10 <sup>3</sup> /μL)	101	63 - 140	234	197 - 272	525	456 - 593
PLT-F (10 <sup>3</sup> /μL)	91	67 - 116	229	167 - 291	494	380 - 608
IPF (%)	19.1	16.6 - 21.5	20.0	16.0 - 24.0	19.9	15.7 - 24.0
IPF#	17.4	15.1 - 19.6	44.7	35.8 - 53.7	96.7	76.4 - 117.0
MPV (fL)	9.7	8.1 - 11.2	11.4	10.4 - 12.3	11.2	10.3 - 12.1
WBC (10 <sup>3</sup> /μL)	3.22	2.90 - 3.54	7.14	6.64 - 7.64	16.84	15.83 - 17.85
NEUT# (10 <sup>3</sup> /μL)	1.26	1.03 - 1.49	3.18	2.74 - 3.63	8.03	6.99 - 9.08
LYMPH# (10 <sup>3</sup> /μL)	1.12	0.82 - 1.42	2.01	1.53 - 2.49	3.85	2.85 - 4.85
MONO# (10 <sup>3</sup> /μL)	0.37	0.16 - 0.58	0.83	0.42 - 1.25	2.19	1.20 - 3.18
EO# (10 <sup>3</sup> /μL)	0.31	0.19 - 0.43	0.77	0.49 - 1.06	1.96	1.22 - 2.71
BASO# (10 <sup>3</sup> /μL)	0.15	0.12 - 0.19	0.34	0.29 - 0.40	0.81	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.32	0.25 - 0.39	0.81	0.65 - 0.96	2.02	1.66 - 2.39
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.45	0.33 - 0.57	1.10	0.88 - 1.31
NEUT%	39.2	33.7 - 44.7	44.6	39.7 - 49.5	47.7	42.9 - 52.5
LYMPH%	34.8	26.1 - 43.5	28.1	21.9 - 34.3	22.8	17.1 - 28.6
MONO%	11.5	5.3 - 17.7	11.7	6.1 - 17.3	13.0	7.3 - 18.7
EO%	9.7	6.1 - 13.2	10.8	6.9 - 14.7	11.6	7.3 - 16.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 11.9	11.3	9.4 - 13.2	12.0	10.1 - 13.9
NRBC% (/100 WBC)	4.4	2.4 - 6.5	6.2	4.5 - 8.0	6.5	5.3 - 7.7
RET%	5.59	4.53 - 6.66	2.38	1.88 - 2.87	1.23	0.77 - 1.68
RET# (10 <sup>6</sup> /μL)	0.1346	0.1050 - 0.1642	0.1037	0.0840 - 0.1234	0.0625	0.0437 - 0.0812
IRF (%)	23.6	0.9 - 46.3	27.2	2.7 - 51.7	21.7	3.0 - 40.3
RET-He (pg)	24.7	21.3 - 28.2	25.8	22.4 - 29.1	27.8	23.6 - 31.9