



# 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:	42561101		42561102		42561103	
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	2.22 - 2.45	4.35	4.18 - 4.53	5.00	4.80 - 5.20
HGB (g/dL)	5.7	5.4 - 6.0	11.9	11.5 - 12.4	15.6	15.0 - 16.2
HCT (%)	16.7	15.5 - 17.8	34.3	32.3 - 36.4	43.7	41.1 - 46.3
MCV (fL)	71.3	67.1 - 75.6	78.8	74.1 - 83.6	87.3	82.1 - 92.6
MCH (pg)	24.4	22.4 - 26.4	27.5	25.5 - 29.4	31.2	29.3 - 33.1
MCHC (g/dL)	34.2	30.8 - 37.6	34.8	31.7 - 38.0	35.8	32.9 - 38.6
RDW-SD (fL)	47.6	44.7 - 50.4	48.3	45.4 - 51.2	45.5	41.9 - 49.2
RDW-CV (%)	18.7	17.6 - 19.8	17.1	16.0 - 18.1	14.5	13.3 - 15.6
PLT (10 <sup>3</sup> /μL)	97	60 - 134	230	193 - 266	522	454 - 590
PLT-F (10 <sup>3</sup> /μL)	88	64 - 111	220	161 - 279	488	376 - 601
IPF (%)	18.9	16.4 - 21.4	20.0	16.0 - 23.9	20.0	15.8 - 24.2
IPF#	16.6	14.4 - 18.7	42.8	34.3 - 51.4	96.2	76.0 - 116.4
MPV (fL)	8.6	7.2 - 9.9	10.1	9.3 - 10.9	9.9	9.1 - 10.7
WBC (10 <sup>3</sup> /μL)	3.00	2.70 - 3.30	7.02	6.53 - 7.51	16.36	15.37 - 17.34
NEUT# (10 <sup>3</sup> /μL)	1.18	0.96 - 1.39	3.17	2.73 - 3.62	8.12	7.07 - 9.18
LYMPH# (10 <sup>3</sup> /μL)	1.05	0.77 - 1.34	1.90	1.44 - 2.36	3.68	2.72 - 4.63
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.84	0.42 - 1.26	1.93	1.06 - 2.79
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.77	0.48 - 1.05	1.84	1.14 - 2.54
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.36	0.80	0.65 - 0.95	2.04	1.67 - 2.40
NRBC# (10 <sup>3</sup> /μL)	0.16	0.09 - 0.22	0.42	0.30 - 0.53	1.08	0.87 - 1.30
NEUT%	39.2	33.7 - 44.7	45.2	40.2 - 50.1	49.6	44.7 - 54.6
LYMPH%	35.1	26.3 - 43.8	27.1	21.1 - 33.0	22.5	16.9 - 28.1
MONO%	11.2	5.2 - 17.3	12.0	6.2 - 17.8	11.8	6.6 - 17.0
EO%	9.6	6.1 - 13.2	11.0	7.0 - 14.9	11.3	7.1 - 15.4
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.0	8.1 - 11.9	11.4	9.4 - 13.3	12.5	10.5 - 14.4
NRBC% (/100 WBC)	5.2	2.8 - 7.6	5.9	4.3 - 7.6	6.6	5.4 - 7.9
RET%	5.73	4.65 - 6.82	2.34	1.85 - 2.83	1.18	0.74 - 1.61
RET# (10 <sup>6</sup> /μL)	0.1340	0.1045 - 0.1634	0.1017	0.0824 - 0.1210	0.0589	0.0412 - 0.0766
IRF (%)	25.4	1.0 - 49.8	26.4	2.6 - 50.1	21.0	2.9 - 39.1
RET-He (pg)	24.9	21.4 - 28.4	26.1	22.7 - 29.4	27.8	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:	42561101		42561102		42561103	
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	2.21 - 2.44	4.35	4.18 - 4.53	5.02	4.82 - 5.22
HGB (g/dL)	5.7	5.4 - 6.0	12.0	11.5 - 12.5	15.7	15.0 - 16.3
HCT (%)	16.6	15.4 - 17.8	34.2	32.2 - 36.3	43.8	41.1 - 46.4
MCV (fL)	71.5	67.2 - 75.8	78.6	73.9 - 83.3	87.1	81.9 - 92.3
MCH (pg)	24.5	22.5 - 26.5	27.5	25.6 - 29.5	31.2	29.3 - 33.1
MCHC (g/dL)	34.3	30.8 - 37.7	35.0	31.9 - 38.2	35.8	33.0 - 38.7
RDW-SD (fL)	48.3	45.4 - 51.2	48.6	45.7 - 51.5	45.9	42.2 - 49.6
RDW-CV (%)	18.8	17.7 - 19.9	17.2	16.2 - 18.2	14.5	13.3 - 15.6
PLT (10 <sup>3</sup> /μL)	98	69 - 127	232	200 - 265	525	467 - 583
MPV (fL)	8.6	7.5 - 9.7	10.1	9.3 - 10.9	9.9	9.2 - 10.6
WBC (10 <sup>3</sup> /μL)	3.23	2.81 - 3.65	7.79	7.01 - 8.56	18.15	16.70 - 19.61
NEUT# (10 <sup>3</sup> /μL)	1.18	0.97 - 1.39	3.23	2.78 - 3.69	8.09	7.04 - 9.14
LYMPH# (10 <sup>3</sup> /μL)	1.14	0.84 - 1.45	2.16	1.64 - 2.68	4.18	3.09 - 5.26
MONO# (10 <sup>3</sup> /μL)	0.32	0.14 - 0.50	0.80	0.40 - 1.20	1.85	1.02 - 2.68
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.39	0.78	0.49 - 1.07	1.97	1.22 - 2.72
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.43	0.29 - 0.57	1.10	0.77 - 1.43
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.38	0.84	0.67 - 1.00	2.11	1.71 - 2.51
NEUT%	38.2	32.9 - 43.6	43.6	38.8 - 48.4	47.1	42.4 - 51.8
LYMPH%	37.0	27.8 - 46.3	29.1	22.7 - 35.6	24.3	18.2 - 30.4
MONO%	10.4	4.8 - 16.0	10.8	5.6 - 16.0	10.7	6.0 - 15.5
EO%	9.3	5.8 - 12.7	10.6	6.8 - 14.4	11.5	7.2 - 15.7
BASO%	5.0	3.3 - 6.8	5.8	4.1 - 7.6	6.4	4.6 - 8.3
IG (%)	9.9	7.8 - 12.0	11.3	9.0 - 13.5	12.3	10.2 - 14.4
RET%	6.89	5.10 - 8.68	2.67	1.98 - 3.36	1.18	0.78 - 1.58
RET# (10 <sup>6</sup> /μL)	0.1599	0.1167 - 0.2031	0.1163	0.0872 - 0.1453	0.0592	0.0385 - 0.0799
IRF (%)	21.3	0.9 - 41.7	23.7	2.4 - 45.0	20.8	2.9 - 38.8
RET-He (pg)	23.5	20.2 - 26.8	24.3	21.2 - 27.5	25.2	21.4 - 29.0



# 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:	42561101		42561102		42561103	
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 - 2.49	4.39	4.21 - 4.57	5.05	4.85 - 5.25
HGB (g/dL)	5.65	5.37 - 5.94	11.94	11.46 - 12.42	15.69	15.06 - 16.32
HCT (%)	16.7	15.5 - 17.8	33.8	31.8 - 35.8	43.3	40.7 - 45.9
MCV (fL)	70.4	66.1 - 74.6	77.0	72.3 - 81.6	85.7	80.6 - 90.9
MCH (pg)	23.9	21.9 - 25.8	27.2	25.3 - 29.1	31.1	29.2 - 32.9
MCHC (g/dL)	33.9	30.5 - 37.3	35.3	32.2 - 38.5	36.3	33.4 - 39.2
RDW-SD (fL)	46.8	43.9 - 49.6	48.3	45.4 - 51.2	47.0	43.3 - 50.8
RDW-CV (%)	18.8	17.7 - 20.0	17.9	16.8 - 18.9	15.5	14.3 - 16.8
PLT (10 <sup>3</sup> /μL)	101	62 - 139	234	196 - 271	528	460 - 597
PLT-F (10 <sup>3</sup> /μL)	90	65 - 114	228	167 - 290	506	390 - 623
IPF (%)	18.9	16.4 - 21.3	20.0	16.0 - 23.9	20.2	16.0 - 24.4
IPF#	16.9	14.7 - 19.2	44.4	35.6 - 53.3	100.8	79.6 - 121.9
MPV (fL)	9.5	8.0 - 11.0	11.3	10.4 - 12.2	11.1	10.2 - 12.0
WBC (10 <sup>3</sup> /μL)	3.00	2.70 - 3.30	6.99	6.50 - 7.48	16.33	15.35 - 17.31
NEUT# (10 <sup>3</sup> /μL)	1.18	0.97 - 1.39	3.15	2.71 - 3.59	8.07	7.02 - 9.11
LYMPH# (10 <sup>3</sup> /μL)	1.05	0.77 - 1.34	1.90	1.44 - 2.36	3.70	2.74 - 4.66
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.53	0.85	0.42 - 1.27	1.93	1.06 - 2.80
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.40	0.75	0.47 - 1.03	1.84	1.14 - 2.55
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.30	0.24 - 0.37	0.80	0.64 - 0.95	2.02	1.65 - 2.38
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.22	0.42	0.30 - 0.53	1.09	0.87 - 1.31
NEUT%	39.3	33.8 - 44.8	45.1	40.2 - 50.1	49.4	44.5 - 54.3
LYMPH%	35.1	26.3 - 43.8	27.2	21.2 - 33.2	22.6	17.0 - 28.3
MONO%	11.3	5.2 - 17.4	12.1	6.3 - 17.9	11.8	6.6 - 17.0
EO%	9.5	6.0 - 13.1	10.8	6.9 - 14.7	11.3	7.1 - 15.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.1	8.1 - 12.0	11.4	9.4 - 13.3	12.3	10.4 - 14.3
NRBC% (/100 WBC)	5.1	2.8 - 7.5	5.9	4.3 - 7.6	6.7	5.4 - 7.9
RET%	5.41	4.38 - 6.44	2.19	1.73 - 2.65	1.12	0.70 - 1.53
RET# (10 <sup>6</sup> /μL)	0.1282	0.1000 - 0.1565	0.0961	0.0778 - 0.1143	0.0565	0.0395 - 0.0734
IRF (%)	26.5	1.1 - 52.0	26.9	2.7 - 51.0	21.9	3.1 - 40.7
RET-He (pg)	24.9	21.4 - 28.4	26.1	22.7 - 29.4	27.7	23.6 - 31.9