



XN CHECK™

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

Expiration Date:	2021-12-05		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12571101		12571102		12571103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.32	2.20 - 2.43	4.29	4.12 - 4.46	4.98	4.78 - 5.18
HGB (g/dL)	5.5	5.2 - 5.8	12.1	11.6 - 12.6	15.9	15.2 - 16.5
HCT (%)	16.5	15.3 - 17.6	35.0	32.9 - 37.1	44.7	42.0 - 47.4
MCV (fL)	70.9	66.7 - 75.2	81.6	76.7 - 86.5	89.9	84.5 - 95.3
MCH (pg)	23.6	21.7 - 25.5	28.3	26.3 - 30.2	31.9	30.0 - 33.8
MCHC (g/dL)	33.3	30.0 - 36.6	34.6	31.5 - 37.7	35.5	32.7 - 38.3
RDW-SD (fL)	50.8	47.7 - 53.8	47.6	44.8 - 50.5	46.2	42.5 - 49.9
RDW-CV (%)	20.1	18.9 - 21.3	16.4	15.4 - 17.4	14.3	13.2 - 15.5
PLT (10 ³ /μL)	91	57 - 126	243	216 - 269	553	503 - 602
PLT-F (10 ³ /μL)	89	65 - 113	253	185 - 322	537	413 - 660
IPF (%)	19.1	16.6 - 21.6	20.7	16.5 - 24.8	20.4	16.1 - 24.7
IPF#	15.8	13.8 - 17.9	49.9	39.9 - 59.9	106.7	84.3 - 129.1
MPV (fL)	8.3	6.9 - 9.6	9.5	8.8 - 10.2	9.3	8.9 - 9.8
WBC (10 ³ /μL)	2.97	2.67 - 3.27	6.97	6.48 - 7.45	16.31	15.33 - 17.29
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	3.08	2.65 - 3.51	7.77	6.76 - 8.78
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.32	2.02	1.54 - 2.51	4.14	3.06 - 5.21
MONO# (10 ³ /μL)	0.39	0.17 - 0.61	0.80	0.40 - 1.20	1.89	1.04 - 2.74
EO# (10 ³ /μL)	0.27	0.16 - 0.37	0.73	0.46 - 1.00	1.73	1.07 - 2.38
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.79	0.69 - 0.89
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.78	0.63 - 0.93	1.95	1.60 - 2.30
NRBC# (10 ³ /μL)	0.16	0.09 - 0.22	0.43	0.32 - 0.55	1.10	0.88 - 1.32
NEUT%	38.0	32.7 - 43.3	44.2	39.3 - 49.1	47.6	42.9 - 52.4
LYMPH%	35.0	26.3 - 43.8	29.0	22.6 - 35.4	25.4	19.0 - 31.7
MONO%	13.2	6.1 - 20.4	11.5	6.0 - 17.0	11.6	6.5 - 16.7
EO%	8.9	5.6 - 12.2	10.4	6.7 - 14.2	10.6	6.7 - 14.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	9.8	7.9 - 11.7	11.2	9.3 - 13.1	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.2	4.5 - 8.0	6.8	5.5 - 8.1
RET%	6.39	5.17 - 7.60	2.60	2.05 - 3.14	1.37	0.86 - 1.88
RET# (10 ⁶ /μL)	0.1481	0.1155 - 0.1807	0.1114	0.0903 - 0.1326	0.0682	0.0477 - 0.0886
IRF (%)	44.5	1.8 - 87.2	46.5	4.7 - 88.4	39.5	5.5 - 73.5
RET-He (pg)	25.1	21.6 - 28.6	25.8	22.5 - 29.2	27.2	23.1 - 31.3



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2021-12-05		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12571101		12571102		12571103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.32	2.20 - 2.43	4.32	4.15 - 4.49	5.04	4.84 - 5.24
HGB (g/dL)	5.5	5.2 - 5.8	12.2	11.8 - 12.7	15.9	15.3 - 16.6
HCT (%)	16.5	15.3 - 17.6	35.2	33.1 - 37.3	45.2	42.5 - 47.9
MCV (fL)	71.0	66.7 - 75.2	81.5	76.6 - 86.3	89.7	84.3 - 95.1
MCH (pg)	23.8	21.9 - 25.7	28.3	26.4 - 30.3	31.6	29.7 - 33.5
MCHC (g/dL)	33.5	30.2 - 36.9	34.8	31.7 - 37.9	35.3	32.5 - 38.1
RDW-SD (fL)	51.4	48.3 - 54.5	47.5	44.7 - 50.4	45.0	41.4 - 48.6
RDW-CV (%)	20.2	19.0 - 21.4	16.1	15.1 - 17.1	13.9	12.8 - 15.0
PLT (10 ³ /μL)	92	65 - 120	249	214 - 284	565	503 - 627
MPV (fL)	8.2	7.1 - 9.2	9.3	8.6 - 10.0	9.2	8.5 - 9.8
WBC (10 ³ /μL)	3.22	2.80 - 3.64	7.70	6.93 - 8.47	18.09	16.64 - 19.54
NEUT# (10 ³ /μL)	1.14	0.93 - 1.35	3.07	2.64 - 3.50	7.71	6.70 - 8.71
LYMPH# (10 ³ /μL)	1.16	0.85 - 1.48	2.33	1.77 - 2.89	4.72	3.49 - 5.95
MONO# (10 ³ /μL)	0.34	0.15 - 0.53	0.70	0.35 - 1.06	1.71	0.94 - 2.48
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.78	0.49 - 1.07	1.92	1.19 - 2.65
BASO# (10 ³ /μL)	0.16	0.10 - 0.22	0.43	0.29 - 0.56	1.06	0.74 - 1.38
IG # (10 ³ /μL)	0.30	0.22 - 0.37	0.80	0.64 - 0.96	2.03	1.64 - 2.41
NEUT%	37.1	31.9 - 42.3	42.0	37.4 - 46.6	45.0	40.5 - 49.5
LYMPH%	37.8	28.4 - 47.3	31.9	24.9 - 38.9	27.6	20.7 - 34.5
MONO%	11.0	5.0 - 16.9	9.6	5.0 - 14.2	10.0	5.6 - 14.4
EO%	9.0	5.7 - 12.4	10.7	6.8 - 14.5	11.2	7.1 - 15.4
BASO%	5.2	3.4 - 7.0	5.8	4.1 - 7.6	6.2	4.4 - 8.0
IG (%)	9.7	7.7 - 11.7	11.0	8.8 - 13.2	11.8	9.8 - 13.9
RET%	7.39	5.47 - 9.31	2.82	2.08 - 3.55	1.36	0.90 - 1.82
RET# (10 ⁶ /μL)	0.1713	0.1251 - 0.2176	0.1217	0.0913 - 0.1521	0.0685	0.0445 - 0.0924
IRF (%)	33.4	1.3 - 65.5	37.7	3.8 - 71.6	34.2	4.8 - 63.6
RET-He (pg)	23.3	20.0 - 26.6	23.9	20.8 - 27.0	24.9	21.2 - 28.6



XN CHECK™

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

Expiration Date:	2021-12-05		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12571101		12571102		12571103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.36	2.25 - 2.48	4.36	4.19 - 4.54	5.06	4.86 - 5.27
HGB (g/dL)	5.49	5.22 - 5.76	12.29	11.79 - 12.78	16.06	15.42 - 16.71
HCT (%)	16.3	15.1 - 17.4	34.3	32.2 - 36.3	43.8	41.2 - 46.4
MCV (fL)	68.9	64.7 - 73.0	78.5	73.8 - 83.3	86.5	81.3 - 91.7
MCH (pg)	23.2	21.4 - 25.1	28.2	26.2 - 30.1	31.7	29.8 - 33.6
MCHC (g/dL)	33.7	30.3 - 37.1	35.8	32.6 - 39.1	36.7	33.7 - 39.6
RDW-SD (fL)	48.5	45.6 - 51.4	46.1	43.4 - 48.9	43.9	40.4 - 47.5
RDW-CV (%)	20.0	18.8 - 21.2	16.6	15.6 - 17.6	14.4	13.3 - 15.6
PLT (10 ³ /μL)	96	60 - 132	249	222 - 276	564	513 - 615
PLT-F (10 ³ /μL)	87	63 - 110	257	187 - 326	547	421 - 673
IPF (%)	19.1	16.6 - 21.6	19.9	15.9 - 23.9	19.8	15.7 - 24.0
IPF#	16.5	14.4 - 18.7	48.6	38.9 - 58.4	105.8	83.6 - 128.1
MPV (fL)	9.2	7.7 - 10.6	10.5	9.8 - 11.2	10.4	9.8 - 10.9
WBC (10 ³ /μL)	2.97	2.67 - 3.27	6.95	6.47 - 7.44	16.30	15.32 - 17.28
NEUT# (10 ³ /μL)	1.12	0.92 - 1.32	3.04	2.62 - 3.47	7.68	6.68 - 8.68
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.31	2.00	1.52 - 2.48	4.09	3.02 - 5.15
MONO# (10 ³ /μL)	0.41	0.18 - 0.63	0.82	0.41 - 1.22	1.96	1.08 - 2.84
EO# (10 ³ /μL)	0.27	0.17 - 0.38	0.76	0.48 - 1.04	1.79	1.11 - 2.47
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.79	0.69 - 0.89
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.77	0.62 - 0.91	1.94	1.59 - 2.28
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.43	0.32 - 0.55	1.11	0.89 - 1.33
NEUT%	37.7	32.4 - 43.0	43.7	38.9 - 48.6	47.1	42.4 - 51.8
LYMPH%	34.7	26.0 - 43.4	28.8	22.5 - 35.2	25.1	18.8 - 31.3
MONO%	13.7	6.3 - 21.1	11.7	6.1 - 17.4	12.0	6.7 - 17.3
EO%	9.2	5.8 - 12.6	10.9	7.0 - 14.8	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 (%)	9.7	7.8 - 11.5	11.1	9.2 - 12.9	11.9	10.0 - 13.8
NRBC% (/100 WBC)	5.3	2.9 - 7.8	6.2	4.5 - 8.0	6.8	5.5 - 8.1
RET%	5.61	4.54 - 6.68	2.25	1.77 - 2.72	1.19	0.75 - 1.63
RET# (10 ⁶ /μL)	0.1326	0.1034 - 0.1618	0.0980	0.0794 - 0.1167	0.0603	0.0422 - 0.0784
IRF (%)	46.5	1.9 - 91.2	48.2	4.8 - 91.6	39.6	5.5 - 73.7
RET-He (pg)	24.7	21.3 - 28.2	25.7	22.3 - 29.0	27.2	23.1 - 31.2