



XN CHECK™

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

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12011101		12011102		12011103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.30	2.19 - 2.42	4.24	4.07 - 4.40	4.94	4.74 - 5.14
HGB (g/dL)	5.4	5.2 - 5.7	11.4	10.9 - 11.8	15.5	14.9 - 16.1
HCT (%)	16.3	15.2 - 17.4	33.2	31.2 - 35.2	43.7	41.1 - 46.4
MCV (fL)	70.8	66.6 - 75.1	78.4	73.7 - 83.1	88.5	83.2 - 93.9
MCH (pg)	23.6	21.7 - 25.5	26.8	25.0 - 28.7	31.4	29.5 - 33.3
MCHC (g/dL)	33.3	30.0 - 36.7	34.2	31.2 - 37.3	35.5	32.6 - 38.3
RDW-SD (fL)	46.9	44.1 - 49.7	52.6	49.4 - 55.8	45.7	42.1 - 49.4
RDW-CV (%)	18.4	17.3 - 19.5	18.9	17.7 - 20.0	14.4	13.2 - 15.5
PLT (10 ³ /μL)	92	57 - 126	254	226 - 281	564	513 - 615
PLT-F (10 ³ /μL)	85	62 - 108	255	186 - 324	543	418 - 668
IPF (%)	18.8	16.4 - 21.2	19.7	15.8 - 23.7	20.2	16.0 - 24.5
IPF#	15.1	13.2 - 17.1	47.9	38.3 - 57.4	107.2	84.6 - 129.7
MPV (fL)	8.5	7.1 - 9.8	9.6	9.0 - 10.3	9.4	9.0 - 9.9
WBC (10 ³ /μL)	2.98	2.68 - 3.27	6.90	6.42 - 7.39	16.25	15.28 - 17.23
NEUT# (10 ³ /μL)	1.20	0.98 - 1.41	2.99	2.57 - 3.41	7.83	6.81 - 8.85
LYMPH# (10 ³ /μL)	1.01	0.74 - 1.28	1.98	1.50 - 2.45	3.86	2.86 - 4.86
MONO# (10 ³ /μL)	0.35	0.15 - 0.54	0.88	0.44 - 1.33	1.86	1.02 - 2.70
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.72	0.45 - 0.98	1.91	1.19 - 2.64
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)	0.31	0.24 - 0.37	0.77	0.62 - 0.91	1.95	1.60 - 2.31
NRBC# (10 ³ /μL)	0.16	0.09 - 0.22	0.41	0.30 - 0.52	1.07	0.86 - 1.29
NEUT%	40.2	34.5 - 45.8	43.3	38.5 - 48.1	48.2	43.4 - 53.0
LYMPH%	33.8	25.4 - 42.3	28.6	22.3 - 34.9	23.8	17.8 - 29.7
MONO%	11.7	5.4 - 17.9	12.8	6.7 - 19.0	11.4	6.4 - 16.5
EO%	9.5	6.0 - 13.0	10.4	6.7 - 14.1	11.8	7.4 - 16.1
BASO%	4.8	3.9 - 5.8	4.9	4.3 - 5.5	4.8	4.3 - 5.4
IG (%)	10.3	8.4 - 12.3	11.1	9.2 - 13.0	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.3	2.8 - 7.7	6.0	4.3 - 7.7	6.7	5.4 - 7.9
RET%	5.27	4.27 - 6.27	2.67	2.11 - 3.23	1.20	0.76 - 1.65
RET# (10 ⁶ /μL)	0.1213	0.0946 - 0.1480	0.1129	0.0915 - 0.1344	0.0595	0.0416 - 0.0773
IRF (%)	33.1	1.3 - 64.8	36.6	3.7 - 69.5	31.3	4.4 - 58.3
RET-He (pg)	23.8	20.5 - 27.2	24.8	21.6 - 28.1	26.0	22.1 - 29.9



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12011101		12011102		12011103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.31	2.20 - 2.43	4.29	4.11 - 4.46	5.00	4.80 - 5.20
HGB (g/dL)	5.5	5.2 - 5.8	11.5	11.0 - 11.9	15.6	15.0 - 16.2
HCT (%)	16.3	15.1 - 17.4	33.3	31.3 - 35.3	44.0	41.3 - 46.6
MCV (fL)	70.3	66.1 - 74.5	77.8	73.1 - 82.4	88.0	82.7 - 93.2
MCH (pg)	23.7	21.8 - 25.6	26.7	24.9 - 28.6	31.2	29.3 - 33.1
MCHC (g/dL)	33.7	30.4 - 37.1	34.4	31.3 - 37.5	35.5	32.7 - 38.3
RDW-SD (fL)	46.7	43.9 - 49.5	51.6	48.5 - 54.7	44.8	41.2 - 48.3
RDW-CV (%)	18.6	17.5 - 19.7	18.7	17.6 - 19.8	14.1	13.0 - 15.2
PLT (10 ³ /μL)	93	57 - 128	256	228 - 284	568	517 - 619
MPV (fL)	8.3	7.0 - 9.7	9.5	8.8 - 10.1	9.2	8.8 - 9.7
WBC (10 ³ /μL)	3.25	2.92 - 3.57	7.70	7.16 - 8.24	18.21	17.11 - 19.30
NEUT# (10 ³ /μL)	1.21	0.99 - 1.43	3.09	2.65 - 3.52	7.99	6.95 - 9.03
LYMPH# (10 ³ /μL)	1.13	0.82 - 1.43	2.29	1.74 - 2.84	4.46	3.30 - 5.62
MONO# (10 ³ /μL)	0.32	0.14 - 0.50	0.80	0.40 - 1.20	1.75	0.96 - 2.53
EO# (10 ³ /μL)	0.30	0.19 - 0.41	0.75	0.47 - 1.02	1.97	1.22 - 2.72
BASO# (10 ³ /μL)	0.16	0.12 - 0.20	0.42	0.35 - 0.49	1.10	0.95 - 1.24
IG # (10 ³ /μL)	0.31	0.25 - 0.38	0.80	0.65 - 0.95	2.09	1.71 - 2.46
NEUT%	38.8	33.4 - 44.2	42.1	37.4 - 46.7	46.3	41.7 - 50.9
LYMPH%	36.2	27.2 - 45.3	31.2	24.3 - 38.1	25.8	19.4 - 32.3
MONO%	10.2	4.7 - 15.7	10.9	5.6 - 16.1	10.1	5.7 - 14.6
EO%	9.6	6.1 - 13.2	10.2	6.5 - 13.8	11.4	7.2 - 15.7
BASO%	5.2	4.2 - 6.1	5.7	5.0 - 6.5	6.4	5.6 - 7.1
IG (%)	10.1	8.2 - 12.0	10.9	9.1 - 12.8	12.1	10.1 - 14.0
RET%	6.29	5.09 - 7.48	2.89	2.29 - 3.50	1.21	0.76 - 1.66
RET# (10 ⁶ /μL)	0.1453	0.1134 - 0.1773	0.1240	0.1004 - 0.1475	0.0606	0.0424 - 0.0788
IRF (%)	27.6	1.1 - 54.2	30.9	3.1 - 58.8	28.2	4.0 - 52.5
RET-He (pg)	21.6	18.6 - 24.6	22.4	19.5 - 25.3	23.1	19.6 - 26.6



XN CHECK™

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

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12011101		12011102		12011103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.35	2.23 - 2.47	4.32	4.15 - 4.49	5.04	4.84 - 5.24
HGB (g/dL)	5.48	5.21 - 5.75	11.48	11.03 - 11.94	15.75	15.12 - 16.38
HCT (%)	16.0	14.9 - 17.2	32.4	30.5 - 34.4	43.0	40.4 - 45.6
MCV (fL)	68.3	64.2 - 72.4	75.0	70.5 - 79.5	85.3	80.2 - 90.5
MCH (pg)	23.3	21.5 - 25.2	26.6	24.7 - 28.4	31.3	29.4 - 33.1
MCHC (g/dL)	34.2	30.8 - 37.6	35.4	32.2 - 38.6	36.6	33.7 - 39.6
RDW-SD (fL)	44.1	41.4 - 46.7	49.4	46.5 - 52.4	44.3	40.8 - 47.8
RDW-CV (%)	18.3	17.2 - 19.4	18.7	17.6 - 19.9	14.5	13.4 - 15.7
PLT (10 ³ /μL)	95	59 - 132	257	228 - 285	573	521 - 625
PLT-F (10 ³ /μL)	85	62 - 108	258	188 - 327	551	425 - 678
IPF (%)	19.2	16.7 - 21.6	20.0	16.0 - 24.0	20.0	15.8 - 24.2
IPF#	16.2	14.1 - 18.3	49.0	39.2 - 58.8	107.7	85.1 - 130.3
MPV (fL)	9.4	7.9 - 10.8	10.7	9.9 - 11.4	10.4	9.9 - 11.0
WBC (10 ³ /μL)	3.00	2.70 - 3.30	6.90	6.42 - 7.38	16.25	15.27 - 17.22
NEUT# (10 ³ /μL)	1.20	0.98 - 1.41	2.99	2.57 - 3.41	7.84	6.82 - 8.86
LYMPH# (10 ³ /μL)	1.02	0.74 - 1.29	1.96	1.49 - 2.43	3.83	2.83 - 4.83
MONO# (10 ³ /μL)	0.35	0.16 - 0.55	0.90	0.45 - 1.34	1.90	1.05 - 2.76
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.72	0.45 - 0.98	1.89	1.17 - 2.60
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.78	0.68 - 0.89
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.76	0.62 - 0.90	1.99	1.63 - 2.34
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.42	0.30 - 0.53	1.10	0.88 - 1.32
NEUT%	39.9	34.3 - 45.5	43.4	38.6 - 48.1	48.3	43.5 - 53.1
LYMPH%	33.9	25.4 - 42.3	28.4	22.2 - 34.7	23.6	17.7 - 29.5
MONO%	11.8	5.4 - 18.2	13.0	6.8 - 19.2	11.7	6.6 - 16.9
EO%	9.5	6.0 - 13.1	10.4	6.7 - 14.1	11.6	7.3 - 15.9
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.2	8.3 - 12.2	11.0	9.1 - 12.9	12.2	10.3 - 14.2
NRBC% (/100 WBC)	5.3	2.8 - 7.7	6.0	4.3 - 7.7	6.8	5.5 - 8.1
RET%	4.69	3.80 - 5.58	2.31	1.82 - 2.79	1.06	0.67 - 1.45
RET# (10 ⁶ /μL)	0.1102	0.0860 - 0.1345	0.0997	0.0808 - 0.1187	0.0534	0.0374 - 0.0694
IRF (%)	37.7	1.5 - 73.8	39.7	4.0 - 75.4	32.0	4.5 - 59.5
RET-He (pg)	23.7	20.4 - 27.0	24.7	21.5 - 27.9	26.4	22.4 - 30.3