



XN CHECK™

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

Expiration Date:	2022-09-11		Quality Control Data Due Date #1: 01-Aug-22		Quality Control Data Due Date #2: 11-Sep-22	
Lot Number:	21721101		21721102		21721103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.33	2.22 - 2.45	4.20	4.03 - 4.37	4.98	4.78 - 5.18
HGB (g/dL)	5.2	5.0 - 5.5	11.0	10.6 - 11.5	14.3	13.8 - 14.9
HCT (%)	16.0	14.9 - 17.2	32.5	30.5 - 34.4	41.3	38.8 - 43.7
MCV (fL)	68.8	64.7 - 72.9	77.3	72.7 - 81.9	82.8	77.9 - 87.8
MCH (pg)	22.5	20.7 - 24.3	26.3	24.4 - 28.1	28.8	27.1 - 30.5
MCHC (g/dL)	32.7	29.4 - 36.0	34.0	30.9 - 37.0	34.8	32.0 - 37.6
RDW-SD (fL)	48.9	46.0 - 51.8	50.9	47.8 - 53.9	53.3	49.0 - 57.5
RDW-CV (%)	20.3	19.1 - 21.5	18.6	17.5 - 19.7	18.1	16.7 - 19.6
PLT (10 ³ /μL)	96	60 - 133	247	220 - 274	566	515 - 617
PLT-F (10 ³ /μL)	87	64 - 111	257	187 - 326	550	424 - 677
IPF (%)	19.2	16.7 - 21.7	20.0	16.0 - 24.0	19.6	15.5 - 23.7
IPF#	16.8	14.6 - 18.9	48.9	39.1 - 58.7	105.3	83.2 - 127.4
MPV (fL)	8.8	7.4 - 10.2	9.0	8.3 - 9.6	8.8	8.4 - 9.3
WBC (10 ³ /μL)	3.02	2.72 - 3.32	7.00	6.51 - 7.49	16.49	15.50 - 17.48
NEUT# (10 ³ /μL)	1.20	0.98 - 1.41	2.99	2.57 - 3.41	7.71	6.71 - 8.72
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.30	2.13	1.62 - 2.65	4.09	3.03 - 5.15
MONO# (10 ³ /μL)	0.37	0.16 - 0.58	0.83	0.41 - 1.24	2.01	1.11 - 2.92
EO# (10 ³ /μL)	0.28	0.17 - 0.39	0.71	0.45 - 0.98	1.88	1.16 - 2.59
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.76	0.62 - 0.91	1.95	1.60 - 2.30
NRBC# (10 ³ /μL)	0.15	0.09 - 0.22	0.45	0.33 - 0.58	1.11	0.89 - 1.33
NEUT%	39.6	34.1 - 45.2	42.7	38.0 - 47.4	46.8	42.1 - 51.5
LYMPH%	34.0	25.5 - 42.5	30.5	23.8 - 37.2	24.8	18.6 - 31.0
MONO%	12.3	5.7 - 18.9	11.8	6.1 - 17.5	12.2	6.8 - 17.6
EO%	9.3	5.8 - 12.7	10.2	6.5 - 13.8	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.2	8.2 - 12.1	10.9	9.0 - 12.7	11.8	9.9 - 13.7
NRBC% (/100 WBC)	5.1	2.7 - 7.4	6.5	4.7 - 8.3	6.7	5.5 - 8.0
RET%	5.64	4.56 - 6.71	2.58	2.04 - 3.13	1.35	0.85 - 1.85
RET# (10 ⁶ /μL)	0.1315	0.1025 - 0.1604	0.1086	0.0880 - 0.1293	0.0672	0.0471 - 0.0874
IRF (%)	42.6	1.7 - 83.5	43.1	4.3 - 81.9	34.8	4.9 - 64.7
RET-He (pg)	24.8	21.3 - 28.3	25.6	22.3 - 28.9	26.7	22.7 - 30.7



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-09-11		Quality Control Data Due Date #1: 01-Aug-22		Quality Control Data Due Date #2: 11-Sep-22	
Lot Number:	21721101		21721102		21721103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.33	2.22 - 2.45	4.22	4.05 - 4.39	5.02	4.82 - 5.22
HGB (g/dL)	5.3	5.0 - 5.5	11.1	10.6 - 11.5	14.4	13.8 - 14.9
HCT (%)	15.9	14.8 - 17.0	32.2	30.3 - 34.2	41.1	38.7 - 43.6
MCV (fL)	68.1	64.0 - 72.1	76.4	71.8 - 81.0	81.9	77.0 - 86.8
MCH (pg)	22.6	20.8 - 24.4	26.3	24.4 - 28.1	28.6	26.9 - 30.3
MCHC (g/dL)	33.2	29.9 - 36.5	34.4	31.3 - 37.5	34.9	32.1 - 37.7
RDW-SD (fL)	49.1	46.1 - 52.0	50.5	47.4 - 53.5	52.4	48.2 - 56.6
RDW-CV (%)	20.3	19.1 - 21.5	18.4	17.3 - 19.5	17.8	16.4 - 19.2
PLT (10 ³ /μL)	100	70 - 129	247	213 - 282	573	510 - 636
MPV (fL)	8.6	7.5 - 9.7	8.8	8.1 - 9.5	8.7	8.1 - 9.3
WBC (10 ³ /μL)	3.28	2.85 - 3.71	7.82	7.03 - 8.60	18.35	16.88 - 19.82
NEUT# (10 ³ /μL)	1.21	0.99 - 1.43	3.07	2.64 - 3.50	7.83	6.81 - 8.85
LYMPH# (10 ³ /μL)	1.15	0.84 - 1.46	2.43	1.85 - 3.01	4.72	3.49 - 5.94
MONO# (10 ³ /μL)	0.33	0.15 - 0.52	0.76	0.38 - 1.13	1.84	1.01 - 2.67
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.75	0.47 - 1.02	1.94	1.21 - 2.68
BASO# (10 ³ /μL)	0.16	0.10 - 0.22	0.42	0.28 - 0.55	1.08	0.76 - 1.41
IG # (10 ³ /μL)	0.31	0.24 - 0.39	0.80	0.64 - 0.96	2.04	1.65 - 2.42
NEUT%	38.5	33.1 - 43.9	41.4	36.8 - 45.9	45.0	40.5 - 49.5
LYMPH%	36.5	27.4 - 45.7	32.8	25.6 - 40.0	27.1	20.3 - 33.9
MONO%	10.5	4.8 - 16.2	10.2	5.3 - 15.1	10.6	5.9 - 15.2
EO%	9.3	5.9 - 12.8	10.1	6.4 - 13.7	11.2	7.0 - 15.3
BASO%	5.2	3.4 - 7.0	5.6	3.9 - 7.3	6.2	4.4 - 8.0
IG (%)	10.0	7.9 - 12.1	10.8	8.6 - 12.9	11.7	9.7 - 13.7
RET%	6.75	5.00 - 8.51	2.95	2.18 - 3.71	1.34	0.89 - 1.80
RET# (10 ⁶ /μL)	0.1576	0.1150 - 0.2001	0.1243	0.0932 - 0.1553	0.0674	0.0438 - 0.0910
IRF (%)	31.4	1.3 - 61.5	33.7	3.4 - 64.1	29.8	4.2 - 55.5
RET-He (pg)	23.2	20.0 - 26.5	23.9	20.8 - 27.0	24.6	20.9 - 28.2



XN CHECK™

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

Expiration Date:	2022-09-11		Quality Control Data Due Date #1: 01-Aug-22		Quality Control Data Due Date #2: 11-Sep-22	
Lot Number:	21721101		21721102		21721103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.37	2.25 - 2.49	4.25	4.08 - 4.42	5.05	4.85 - 5.25
HGB (g/dL)	5.25	4.99 - 5.51	11.06	10.62 - 11.50	14.42	13.84 - 15.00
HCT (%)	15.8	14.7 - 16.9	31.4	29.5 - 33.3	39.9	37.5 - 42.3
MCV (fL)	66.6	62.6 - 70.6	73.8	69.4 - 78.2	79.1	74.4 - 83.9
MCH (pg)	22.2	20.4 - 23.9	26.0	24.2 - 27.8	28.6	26.8 - 30.3
MCHC (g/dL)	33.3	30.0 - 36.6	35.2	32.1 - 38.4	36.1	33.2 - 39.0
RDW-SD (fL)	47.7	44.8 - 50.6	48.5	45.5 - 51.4	51.2	47.1 - 55.3
RDW-CV (%)	20.6	19.3 - 21.8	18.9	17.7 - 20.0	18.8	17.3 - 20.3
PLT (10 ³ /μL)	103	64 - 141	254	226 - 282	582	529 - 634
PLT-F (10 ³ /μL)	88	64 - 112	261	191 - 331	562	433 - 691
IPF (%)	19.2	16.7 - 21.7	20.2	16.1 - 24.2	20.1	15.9 - 24.4
IPF#	16.9	14.7 - 19.0	50.2	40.1 - 60.2	110.3	87.1 - 133.5
MPV (fL)	9.8	8.3 - 11.4	9.9	9.2 - 10.6	9.7	9.2 - 10.2
WBC (10 ³ /μL)	3.02	2.72 - 3.33	6.98	6.49 - 7.47	16.46	15.47 - 17.45
NEUT# (10 ³ /μL)	1.19	0.98 - 1.41	2.98	2.56 - 3.40	7.71	6.71 - 8.72
LYMPH# (10 ³ /μL)	1.02	0.75 - 1.30	2.12	1.61 - 2.63	4.00	2.96 - 5.04
MONO# (10 ³ /μL)	0.38	0.17 - 0.60	0.84	0.42 - 1.26	2.10	1.16 - 3.05
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.70	0.44 - 0.96	1.85	1.14 - 2.55
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.76	0.62 - 0.91	1.94	1.59 - 2.30
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.45	0.33 - 0.58	1.12	0.90 - 1.35
NEUT%	39.4	33.9 - 44.9	42.7	38.0 - 47.4	46.9	42.2 - 51.6
LYMPH%	33.8	25.4 - 42.3	30.4	23.7 - 37.0	24.3	18.2 - 30.4
MONO%	12.7	5.8 - 19.5	12.0	6.3 - 17.8	12.8	7.2 - 18.4
EO%	9.3	5.9 - 12.8	10.1	6.4 - 13.7	11.2	7.1 - 15.4
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	10.9	9.1 - 12.8	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.9	2.7 - 7.2	6.5	4.7 - 8.3	6.8	5.5 - 8.1
RET%	5.19	4.20 - 6.17	2.36	1.86 - 2.85	1.24	0.78 - 1.70
RET# (10 ⁶ /μL)	0.1228	0.0958 - 0.1498	0.1003	0.0813 - 0.1194	0.0628	0.0439 - 0.0816
IRF (%)	44.8	1.8 - 87.8	45.5	4.6 - 86.5	36.1	5.1 - 67.1
RET-He (pg)	24.7	21.2 - 28.1	25.4	22.1 - 28.7	26.6	22.6 - 30.6