



XN CHECK™

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

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21151101		21151102		21151103	
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	4.20	4.03 - 4.37	4.97	4.77 - 5.17
HGB (g/dL)	5.7	5.4 - 6.0	11.8	11.3 - 12.2	15.8	15.2 - 16.4
HCT (%)	16.7	15.5 - 17.9	34.0	31.9 - 36.0	44.8	42.1 - 47.5
MCV (fL)	72.1	67.8 - 76.5	80.9	76.1 - 85.8	90.1	84.7 - 95.5
MCH (pg)	24.5	22.5 - 26.4	28.0	26.1 - 30.0	31.8	29.9 - 33.7
MCHC (g/dL)	33.9	30.5 - 37.3	34.6	31.5 - 37.7	35.3	32.5 - 38.1
RDW-SD (fL)	53.5	50.3 - 56.7	46.0	43.2 - 48.7	50.0	46.0 - 54.0
RDW-CV (%)	20.6	19.4 - 21.8	15.9	14.9 - 16.8	15.5	14.3 - 16.8
PLT (10 ³ /μL)	89	55 - 123	244	217 - 271	569	518 - 620
PLT-F (10 ³ /μL)	83	61 - 105	255	186 - 324	555	428 - 683
IPF (%)	19.0	16.5 - 21.5	20.1	16.1 - 24.1	20.1	15.9 - 24.3
IPF#	15.8	13.7 - 17.8	48.7	39.0 - 58.5	109.0	86.1 - 131.9
MPV (fL)	8.1	6.8 - 9.4	9.3	8.7 - 10.0	9.2	8.8 - 9.7
WBC (10 ³ /μL)	3.01	2.71 - 3.31	7.02	6.52 - 7.51	16.46	15.47 - 17.44
NEUT# (10 ³ /μL)	1.11	0.91 - 1.31	2.98	2.57 - 3.40	7.85	6.83 - 8.87
LYMPH# (10 ³ /μL)	1.09	0.80 - 1.39	2.12	1.61 - 2.62	3.94	2.92 - 4.96
MONO# (10 ³ /μL)	0.39	0.17 - 0.61	0.86	0.43 - 1.28	2.00	1.10 - 2.89
EO# (10 ³ /μL)	0.27	0.17 - 0.38	0.72	0.46 - 0.99	1.88	1.16 - 2.59
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.70 - 0.90
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.76	0.61 - 0.90	1.98	1.62 - 2.34
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.44	0.32 - 0.56	1.08	0.86 - 1.29
NEUT%	36.9	31.7 - 42.0	42.5	37.8 - 47.2	47.7	42.9 - 52.4
LYMPH%	36.3	27.3 - 45.4	30.2	23.5 - 36.8	23.9	18.0 - 29.9
MONO%	12.9	5.9 - 19.8	12.2	6.3 - 18.1	12.1	6.8 - 17.5
EO%	9.1	5.7 - 12.5	10.3	6.6 - 14.0	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.4
IG (%)	9.5	7.7 - 11.4	10.8	9.0 - 12.7	12.0	10.1 - 14.0
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.3	4.6 - 8.1	6.5	5.3 - 7.8
RET%	5.96	4.83 - 7.09	2.44	1.93 - 2.96	1.29	0.81 - 1.76
RET# (10 ⁶ /μL)	0.1381	0.1077 - 0.1685	0.1026	0.0831 - 0.1221	0.0639	0.0447 - 0.0831
IRF (%)	33.5	1.3 - 65.7	36.7	3.7 - 69.7	29.0	4.1 - 53.9
RET-He (pg)	24.6	21.2 - 28.1	25.5	22.2 - 28.8	27.4	23.3 - 31.5



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21151101		21151102		21151103	
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	4.21	4.04 - 4.38	5.00	4.80 - 5.20
HGB (g/dL)	5.7	5.4 - 6.0	11.8	11.3 - 12.2	15.8	15.2 - 16.4
HCT (%)	16.7	15.5 - 17.8	33.8	31.7 - 35.8	44.8	42.1 - 47.5
MCV (fL)	72.0	67.7 - 76.3	80.2	75.4 - 85.1	89.6	84.2 - 95.0
MCH (pg)	24.6	22.6 - 26.6	27.9	26.0 - 29.9	31.6	29.7 - 33.5
MCHC (g/dL)	34.2	30.7 - 37.6	34.8	31.7 - 37.9	35.2	32.4 - 38.0
RDW-SD (fL)	54.6	51.4 - 57.9	45.8	43.0 - 48.5	49.6	45.6 - 53.6
RDW-CV (%)	20.9	19.7 - 22.2	15.8	14.9 - 16.8	15.3	14.1 - 16.5
PLT (10 ³ /μL)	90	63 - 117	249	214 - 283	574	511 - 637
MPV (fL)	8.0	6.9 - 9.0	9.2	8.4 - 9.9	9.0	8.4 - 9.7
WBC (10 ³ /μL)	3.25	2.82 - 3.67	7.75	6.98 - 8.53	18.22	16.76 - 19.68
NEUT# (10 ³ /μL)	1.13	0.93 - 1.34	3.03	2.60 - 3.45	7.90	6.88 - 8.93
LYMPH# (10 ³ /μL)	1.22	0.89 - 1.55	2.39	1.81 - 2.96	4.51	3.34 - 5.68
MONO# (10 ³ /μL)	0.33	0.15 - 0.51	0.80	0.40 - 1.21	1.85	1.02 - 2.68
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.74	0.47 - 1.02	1.95	1.21 - 2.69
BASO# (10 ³ /μL)	0.15	0.09 - 0.21	0.41	0.28 - 0.54	1.09	0.76 - 1.41
IG # (10 ³ /μL)	0.30	0.22 - 0.37	0.79	0.63 - 0.95	2.06	1.67 - 2.45
NEUT%	36.5	31.4 - 41.6	41.1	36.6 - 45.6	45.7	41.1 - 50.2
LYMPH%	39.2	29.4 - 48.9	32.4	25.3 - 39.5	26.1	19.6 - 32.6
MONO%	10.6	4.9 - 16.3	10.9	5.7 - 16.1	10.7	6.0 - 15.4
EO%	8.9	5.6 - 12.2	10.1	6.4 - 13.7	11.3	7.1 - 15.4
BASO%	4.9	3.2 - 6.6	5.5	3.9 - 7.2	6.3	4.5 - 8.1
IG (%)	9.5	7.5 - 11.5	10.7	8.6 - 12.8	11.9	9.9 - 13.9
RET%	6.76	5.00 - 8.51	2.71	2.01 - 3.42	1.29	0.85 - 1.73
RET# (10 ⁶ /μL)	0.1564	0.1141 - 0.1986	0.1142	0.0856 - 0.1427	0.0647	0.0421 - 0.0874
IRF (%)	19.4	0.8 - 37.9	20.4	2.0 - 38.7	19.2	2.7 - 35.8
RET-He (pg)	23.4	20.1 - 26.6	23.9	20.8 - 27.0	25.2	21.4 - 29.0



XN CHECK™

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

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21151101		21151102		21151103	
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	2.24 - 2.47	4.25	4.08 - 4.42	5.03	4.83 - 5.23
HGB (g/dL)	5.69	5.41 - 5.97	11.79	11.32 - 12.26	15.88	15.24 - 16.51
HCT (%)	16.4	15.3 - 17.6	32.9	30.9 - 34.9	43.5	40.9 - 46.1
MCV (fL)	69.8	65.6 - 73.9	77.5	72.8 - 82.1	86.5	81.3 - 91.7
MCH (pg)	24.2	22.2 - 26.1	27.8	25.8 - 29.7	31.6	29.7 - 33.5
MCHC (g/dL)	34.6	31.2 - 38.1	35.8	32.6 - 39.1	36.5	33.6 - 39.5
RDW-SD (fL)	51.0	48.0 - 54.1	43.6	41.0 - 46.2	49.1	45.1 - 53.0
RDW-CV (%)	20.5	19.2 - 21.7	16.0	15.1 - 17.0	16.0	14.7 - 17.3
PLT (10 ³ /μL)	93	58 - 129	249	222 - 277	579	527 - 631
PLT-F (10 ³ /μL)	84	61 - 106	256	187 - 325	561	432 - 690
IPF (%)	19.0	16.5 - 21.5	20.2	16.1 - 24.2	19.9	15.8 - 24.1
IPF#	15.9	13.8 - 17.9	49.2	39.4 - 59.0	109.0	86.1 - 131.9
MPV (fL)	9.0	7.5 - 10.4	10.4	9.6 - 11.1	10.2	9.7 - 10.7
WBC (10 ³ /μL)	3.02	2.72 - 3.32	7.00	6.51 - 7.49	16.42	15.44 - 17.41
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	2.97	2.55 - 3.38	7.80	6.78 - 8.81
LYMPH# (10 ³ /μL)	1.07	0.78 - 1.36	2.07	1.58 - 2.57	3.89	2.88 - 4.90
MONO# (10 ³ /μL)	0.40	0.18 - 0.62	0.89	0.44 - 1.33	2.05	1.13 - 2.97
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.74	0.47 - 1.01	1.90	1.18 - 2.62
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)	0.29	0.23 - 0.35	0.75	0.61 - 0.89	1.98	1.62 - 2.33
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.44	0.32 - 0.56	1.08	0.86 - 1.29
NEUT%	37.4	32.1 - 42.6	42.3	37.7 - 47.0	47.5	42.7 - 52.2
LYMPH%	35.6	26.7 - 44.5	29.6	23.1 - 36.1	23.7	17.8 - 29.6
MONO%	13.2	6.1 - 20.3	12.7	6.6 - 18.8	12.5	7.0 - 17.9
EO%	9.1	5.8 - 12.5	10.5	6.8 - 14.3	11.6	7.3 - 15.8
BASO%	4.7	3.8 - 5.6	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	9.7	7.8 - 11.5	10.7	8.9 - 12.5	12.0	10.1 - 14.0
NRBC% (/100 WBC)	4.9	2.6 - 7.1	6.3	4.5 - 8.0	6.6	5.3 - 7.8
RET%	5.46	4.42 - 6.50	2.24	1.77 - 2.71	1.21	0.76 - 1.66
RET# (10 ⁶ /μL)	0.1286	0.1003 - 0.1569	0.0951	0.0770 - 0.1131	0.0608	0.0426 - 0.0791
IRF (%)	35.7	1.4 - 69.9	39.3	3.9 - 74.6	30.8	4.3 - 57.3
RET-He (pg)	24.4	21.0 - 27.8	25.3	22.0 - 28.6	27.3	23.2 - 31.4