



XN CHECK™

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

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20631101		20631102		20631103	
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	2.21 - 2.44	4.36	4.18 - 4.53	5.28	5.07 - 5.49
HGB (g/dL)	5.3	5.0 - 5.6	12.7	12.2 - 13.3	17.0	16.3 - 17.7
HCT (%)	16.1	15.0 - 17.2	36.5	34.3 - 38.6	47.8	45.0 - 50.7
MCV (fL)	69.1	64.9 - 73.2	83.6	78.6 - 88.7	90.6	85.1 - 96.0
MCH (pg)	22.8	21.0 - 24.6	29.2	27.2 - 31.3	32.2	30.2 - 34.1
MCHC (g/dL)	33.0	29.7 - 36.3	35.0	31.8 - 38.1	35.5	32.7 - 38.4
RDW-SD (fL)	49.5	46.5 - 52.4	45.3	42.6 - 48.0	47.2	43.4 - 51.0
RDW-CV (%)	20.1	18.9 - 21.3	15.1	14.2 - 16.0	14.5	13.3 - 15.7
PLT (10 ³ /μL)	94	58 - 130	248	221 - 276	560	510 - 610
PLT-F (10 ³ /μL)	85	62 - 109	262	191 - 333	554	427 - 682
IPF (%)	19.1	16.6 - 21.6	19.8	15.8 - 23.7	19.6	15.5 - 23.7
IPF#	16.4	14.2 - 18.5	49.4	39.5 - 59.3	105.9	83.6 - 128.1
MPV (fL)	9.0	7.6 - 10.5	9.1	8.5 - 9.8	9.0	8.5 - 9.4
WBC (10 ³ /μL)	3.07	2.76 - 3.37	7.06	6.56 - 7.55	17.17	16.14 - 18.20
NEUT# (10 ³ /μL)	1.16	0.95 - 1.37	3.12	2.69 - 3.56	8.08	7.03 - 9.13
LYMPH# (10 ³ /μL)	1.06	0.78 - 1.35	2.05	1.56 - 2.54	4.25	3.15 - 5.36
MONO# (10 ³ /μL)	0.42	0.19 - 0.66	0.82	0.41 - 1.23	2.06	1.13 - 2.99
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.73	0.46 - 1.00	1.95	1.21 - 2.69
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.39	0.83	0.72 - 0.93
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.79	0.64 - 0.94	2.03	1.67 - 2.40
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.44	0.32 - 0.56	1.14	0.91 - 1.37
NEUT%	37.8	32.5 - 43.1	44.2	39.4 - 49.1	47.1	42.4 - 51.8
LYMPH%	34.7	26.0 - 43.4	29.0	22.6 - 35.4	24.8	18.6 - 31.0
MONO%	13.7	6.3 - 21.1	11.6	6.0 - 17.2	12.0	6.7 - 17.3
EO%	9.0	5.7 - 12.3	10.3	6.6 - 14.0	11.4	7.2 - 15.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.8	7.9 - 11.7	11.2	9.3 - 13.1	11.8	10.0 - 13.7
NRBC% (/100 WBC)	4.8	2.6 - 7.1	6.3	4.5 - 8.0	6.6	5.4 - 7.9
RET%	5.61	4.55 - 6.68	2.38	1.88 - 2.88	1.22	0.77 - 1.67
RET# (10 ⁶ /μL)	0.1307	0.1019 - 0.1594	0.1036	0.0839 - 0.1233	0.0643	0.0450 - 0.0836
IRF (%)	32.8	1.3 - 64.3	36.3	3.6 - 69.0	28.0	3.9 - 52.0
RET-He (pg)	25.1	21.6 - 28.6	26.4	23.0 - 29.8	28.3	24.1 - 32.6



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20631101		20631102		20631103	
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	2.21 - 2.44	4.36	4.19 - 4.54	5.31	5.09 - 5.52
HGB (g/dL)	5.3	5.0 - 5.6	12.7	12.2 - 13.2	16.9	16.2 - 17.6
HCT (%)	16.0	14.9 - 17.2	36.4	34.2 - 38.6	47.9	45.1 - 50.8
MCV (fL)	69.1	64.9 - 73.2	83.5	78.5 - 88.5	90.3	84.9 - 95.7
MCH (pg)	22.9	21.1 - 24.7	29.1	27.1 - 31.2	31.8	29.9 - 33.7
MCHC (g/dL)	33.1	29.8 - 36.5	34.9	31.8 - 38.0	35.2	32.4 - 38.0
RDW-SD (fL)	50.1	47.1 - 53.1	45.5	42.8 - 48.2	46.7	42.9 - 50.4
RDW-CV (%)	20.2	19.0 - 21.5	15.0	14.1 - 15.9	14.3	13.1 - 15.4
PLT (10 ³ /μL)	97	68 - 126	248	214 - 283	561	499 - 623
MPV (fL)	8.9	7.7 - 10.0	9.0	8.3 - 9.7	8.8	8.2 - 9.4
WBC (10 ³ /μL)	3.26	2.83 - 3.68	7.68	6.91 - 8.45	18.77	17.27 - 20.27
NEUT# (10 ³ /μL)	1.15	0.95 - 1.36	3.09	2.66 - 3.53	8.07	7.02 - 9.11
LYMPH# (10 ³ /μL)	1.18	0.86 - 1.50	2.30	1.75 - 2.85	4.81	3.56 - 6.06
MONO# (10 ³ /μL)	0.35	0.16 - 0.55	0.73	0.37 - 1.10	1.88	1.03 - 2.72
EO# (10 ³ /μL)	0.28	0.17 - 0.39	0.75	0.47 - 1.03	1.99	1.23 - 2.74
BASO# (10 ³ /μL)	0.16	0.10 - 0.22	0.42	0.28 - 0.55	1.09	0.76 - 1.41
IG # (10 ³ /μL)	0.30	0.22 - 0.37	0.81	0.65 - 0.97	2.09	1.69 - 2.49
NEUT%	36.8	31.7 - 42.0	42.4	37.7 - 47.1	45.3	40.7 - 49.8
LYMPH%	37.8	28.4 - 47.3	31.5	24.6 - 38.5	27.0	20.2 - 33.7
MONO%	11.3	5.2 - 17.4	10.1	5.2 - 14.9	10.5	5.9 - 15.2
EO%	9.0	5.7 - 12.3	10.3	6.6 - 14.0	11.1	7.0 - 15.3
BASO%	5.1	3.3 - 6.9	5.7	4.0 - 7.4	6.1	4.3 - 7.9
IG (%)	9.5	7.5 - 11.5	11.1	8.8 - 13.3	11.7	9.7 - 13.7
RET%	6.48	4.79 - 8.16	2.63	1.95 - 3.32	1.20	0.79 - 1.61
RET# (10 ⁶ /μL)	0.1504	0.1098 - 0.1909	0.1150	0.0862 - 0.1437	0.0637	0.0414 - 0.0861
IRF (%)	23.4	0.9 - 45.8	26.6	2.7 - 50.5	22.2	3.1 - 41.3
RET-He (pg)	23.9	20.5 - 27.2	24.9	21.6 - 28.1	26.2	22.3 - 30.2



XN CHECK™

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

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20631101		20631102		20631103	
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	2.24 - 2.47	4.40	4.23 - 4.58	5.35	5.13 - 5.56
HGB (g/dL)	5.30	5.03 - 5.56	12.76	12.25 - 13.27	17.05	16.37 - 17.73
HCT (%)	15.7	14.6 - 16.8	35.5	33.4 - 37.7	46.7	43.9 - 49.5
MCV (fL)	66.6	62.6 - 70.6	80.7	75.9 - 85.5	87.3	82.1 - 92.6
MCH (pg)	22.5	20.7 - 24.3	29.0	26.9 - 31.0	31.9	30.0 - 33.8
MCHC (g/dL)	33.8	30.4 - 37.2	35.9	32.7 - 39.1	36.5	33.6 - 39.4
RDW-SD (fL)	47.6	44.7 - 50.4	44.2	41.5 - 46.8	46.3	42.6 - 50.0
RDW-CV (%)	20.2	19.0 - 21.4	15.4	14.5 - 16.3	15.0	13.8 - 16.2
PLT (10 ³ /μL)	99	61 - 137	253	225 - 281	574	522 - 625
PLT-F (10 ³ /μL)	86	63 - 109	262	191 - 332	552	425 - 679
IPF (%)	19.0	16.5 - 21.5	19.9	16.0 - 23.9	19.7	15.5 - 23.8
IPF#	16.3	14.2 - 18.4	49.7	39.7 - 59.6	105.9	83.6 - 128.1
MPV (fL)	10.0	8.4 - 11.6	10.1	9.4 - 10.8	9.9	9.4 - 10.4
WBC (10 ³ /μL)	3.06	2.75 - 3.36	6.99	6.50 - 7.48	17.07	16.05 - 18.10
NEUT# (10 ³ /μL)	1.15	0.94 - 1.36	3.09	2.66 - 3.52	8.03	6.99 - 9.07
LYMPH# (10 ³ /μL)	1.05	0.77 - 1.33	2.03	1.54 - 2.52	4.23	3.13 - 5.32
MONO# (10 ³ /μL)	0.43	0.19 - 0.68	0.80	0.40 - 1.21	2.05	1.13 - 2.97
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.73	0.46 - 1.00	1.95	1.21 - 2.69
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.28 - 0.39	0.82	0.71 - 0.93
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.78	0.63 - 0.93	2.02	1.65 - 2.38
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.45	0.33 - 0.57	1.14	0.91 - 1.37
NEUT%	37.7	32.4 - 42.9	44.2	39.4 - 49.1	47.0	42.3 - 51.7
LYMPH%	34.3	25.7 - 42.9	29.0	22.6 - 35.4	24.8	18.6 - 30.9
MONO%	14.2	6.5 - 21.9	11.5	6.0 - 17.0	12.0	6.7 - 17.3
EO%	9.1	5.7 - 12.4	10.5	6.7 - 14.2	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.7	7.9 - 11.6	11.2	9.3 - 13.1	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.4	4.6 - 8.2	6.7	5.4 - 8.0
RET%	5.06	4.10 - 6.02	2.16	1.71 - 2.62	1.13	0.71 - 1.55
RET# (10 ⁶ /μL)	0.1191	0.0929 - 0.1453	0.0952	0.0771 - 0.1133	0.0606	0.0424 - 0.0788
IRF (%)	34.2	1.4 - 67.1	37.8	3.8 - 71.8	28.4	4.0 - 52.8
RET-He (pg)	24.8	21.3 - 28.3	26.1	22.7 - 29.5	28.2	24.0 - 32.4