



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:	12601101		12601102		12601103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.27	2.16 - 2.39	4.13	3.97 - 4.30	4.86	4.66 - 5.05
HGB (g/dL)	5.8	5.5 - 6.1	12.0	11.5 - 12.5	15.5	14.9 - 16.1
HCT (%)	17.3	16.1 - 18.5	34.3	32.3 - 36.4	43.3	40.7 - 45.9
MCV (fL)	76.1	71.5 - 80.6	83.1	78.1 - 88.1	89.2	83.8 - 94.5
MCH (pg)	25.7	23.6 - 27.7	29.1	27.1 - 31.1	31.9	30.0 - 33.8
MCHC (g/dL)	33.8	30.4 - 37.1	35.0	31.9 - 38.2	35.8	32.9 - 38.7
RDW-SD (fL)	48.0	45.1 - 50.9	45.6	42.8 - 48.3	45.5	41.9 - 49.2
RDW-CV (%)	17.5	16.5 - 18.6	15.4	14.5 - 16.3	14.2	13.0 - 15.3
PLT (10 ³ /μL)	95	59 - 131	242	215 - 269	566	515 - 617
PLT-F (10 ³ /μL)	91	66 - 115	254	186 - 323	549	423 - 675
IPF (%)	19.5	17.0 - 22.1	20.6	16.5 - 24.8	19.7	15.5 - 23.8
IPF#	16.9	14.7 - 19.1	50.0	40.0 - 60.0	105.3	83.2 - 127.4
MPV (fL)	8.4	7.1 - 9.8	9.7	9.0 - 10.4	9.5	9.1 - 10.0
WBC (10 ³ /μL)	2.99	2.69 - 3.29	6.61	6.14 - 7.07	16.47	15.48 - 17.46
NEUT# (10 ³ /μL)	1.10	0.90 - 1.30	2.91	2.50 - 3.32	7.87	6.84 - 8.89
LYMPH# (10 ³ /μL)	1.13	0.83 - 1.44	1.98	1.50 - 2.45	4.07	3.01 - 5.13
MONO# (10 ³ /μL)	0.35	0.15 - 0.54	0.72	0.36 - 1.08	1.83	1.01 - 2.66
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.68	0.43 - 0.93	1.91	1.18 - 2.63
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.32	0.27 - 0.37	0.79	0.68 - 0.89
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.74	0.60 - 0.88	1.98	1.62 - 2.33
NRBC# (10 ³ /μL)	0.15	0.09 - 0.22	0.42	0.31 - 0.53	1.08	0.86 - 1.29
NEUT%	36.8	31.6 - 41.9	44.1	39.2 - 48.9	47.8	43.0 - 52.5
LYMPH%	37.8	28.4 - 47.3	29.9	23.4 - 36.5	24.7	18.5 - 30.9
MONO%	11.6	5.3 - 17.8	10.9	5.7 - 16.1	11.1	6.2 - 16.0
EO%	9.0	5.7 - 12.4	10.3	6.6 - 14.0	11.6	7.3 - 15.9
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.5	7.7 - 11.3	11.2	9.3 - 13.1	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.1	2.8 - 7.5	6.4	4.6 - 8.2	6.5	5.3 - 7.8
RET%	6.12	4.96 - 7.28	2.71	2.14 - 3.28	1.54	0.97 - 2.11
RET# (10 ⁶ /μL)	0.1390	0.1085 - 0.1696	0.1119	0.0906 - 0.1332	0.0747	0.0523 - 0.0971
IRF (%)	50.2	2.0 - 98.5	53.1	5.3 - 100.8	45.1	6.3 - 83.9
RET-He (pg)	25.1	21.6 - 28.6	25.9	22.6 - 29.3	27.1	23.0 - 31.1



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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:	12601101		12601102		12601103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.27	2.16 - 2.38	4.14	3.97 - 4.31	4.89	4.70 - 5.09
HGB (g/dL)	5.9	5.6 - 6.2	12.0	11.6 - 12.5	15.5	14.9 - 16.1
HCT (%)	17.2	16.0 - 18.4	34.3	32.2 - 36.3	43.5	40.9 - 46.1
MCV (fL)	75.7	71.1 - 80.2	82.8	77.8 - 87.7	89.0	83.7 - 94.3
MCH (pg)	25.8	23.7 - 27.9	29.1	27.1 - 31.1	31.7	29.8 - 33.6
MCHC (g/dL)	34.1	30.7 - 37.5	35.2	32.0 - 38.3	35.6	32.8 - 38.5
RDW-SD (fL)	48.7	45.8 - 51.6	45.8	43.1 - 48.6	44.8	41.3 - 48.4
RDW-CV (%)	17.9	16.8 - 18.9	15.2	14.3 - 16.1	13.8	12.7 - 15.0
PLT (10 ³ /μL)	96	67 - 125	249	214 - 284	579	515 - 642
MPV (fL)	8.3	7.2 - 9.4	9.5	8.8 - 10.3	9.4	8.7 - 10.1
WBC (10 ³ /μL)	3.23	2.81 - 3.65	7.28	6.56 - 8.01	18.18	16.73 - 19.63
NEUT# (10 ³ /μL)	1.12	0.92 - 1.32	2.90	2.49 - 3.30	7.94	6.91 - 8.98
LYMPH# (10 ³ /μL)	1.25	0.91 - 1.59	2.20	1.67 - 2.73	4.57	3.38 - 5.76
MONO# (10 ³ /μL)	0.31	0.14 - 0.48	0.68	0.34 - 1.01	1.78	0.98 - 2.58
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.76	0.48 - 1.04	1.85	1.15 - 2.55
BASO# (10 ³ /μL)	0.15	0.09 - 0.21	0.40	0.27 - 0.53	1.09	0.76 - 1.42
IG # (10 ³ /μL)	0.29	0.22 - 0.37	0.76	0.61 - 0.92	2.07	1.67 - 2.46
NEUT%	36.1	31.1 - 41.2	41.8	37.2 - 46.4	46.1	41.5 - 50.7
LYMPH%	40.3	30.3 - 50.4	31.8	24.8 - 38.7	26.5	19.9 - 33.1
MONO%	10.0	4.6 - 15.3	9.7	5.1 - 14.4	10.3	5.8 - 14.9
EO%	8.7	5.5 - 11.9	10.9	7.0 - 14.8	10.7	6.8 - 14.7
BASO%	4.9	3.2 - 6.6	5.8	4.1 - 7.5	6.3	4.5 - 8.2
IG (%)	9.5	7.5 - 11.4	11.0	8.8 - 13.2	12.0	10.0 - 14.0
RET%	7.32	5.42 - 9.23	3.07	2.27 - 3.87	1.62	1.07 - 2.18
RET# (10 ⁶ /μL)	0.1663	0.1214 - 0.2112	0.1272	0.0954 - 0.1590	0.0794	0.0516 - 0.1072
IRF (%)	36.1	1.4 - 70.7	41.9	4.2 - 79.5	39.2	5.5 - 72.8
RET-He (pg)	23.4	20.1 - 26.7	24.0	20.9 - 27.1	24.6	20.9 - 28.3



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:	12601101		12601102		12601103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.32	2.20 - 2.43	4.20	4.04 - 4.37	4.94	4.75 - 5.14
HGB (g/dL)	5.90	5.60 - 6.19	12.14	11.65 - 12.62	15.66	15.04 - 16.29
HCT (%)	16.9	15.7 - 18.1	33.6	31.6 - 35.6	42.7	40.1 - 45.2
MCV (fL)	73.0	68.6 - 77.3	80.0	75.2 - 84.8	86.3	81.2 - 91.5
MCH (pg)	25.5	23.4 - 27.5	28.9	26.8 - 30.9	31.7	29.8 - 33.6
MCHC (g/dL)	34.9	31.4 - 38.4	36.1	32.8 - 39.3	36.7	33.8 - 39.6
RDW-SD (fL)	45.7	43.0 - 48.4	44.1	41.4 - 46.7	44.5	40.9 - 48.1
RDW-CV (%)	17.7	16.6 - 18.7	15.5	14.6 - 16.4	14.6	13.4 - 15.7
PLT (10 ³ /μL)	100	62 - 138	248	221 - 276	578	526 - 630
PLT-F (10 ³ /μL)	88	64 - 112	256	187 - 325	556	428 - 684
IPF (%)	19.5	17.0 - 22.0	20.1	16.0 - 24.1	20.1	15.9 - 24.3
IPF#	17.2	15.0 - 19.5	48.9	39.1 - 58.7	108.9	86.0 - 131.8
MPV (fL)	9.3	7.8 - 10.8	10.8	10.0 - 11.5	10.6	10.1 - 11.1
WBC (10 ³ /μL)	2.98	2.68 - 3.27	6.58	6.12 - 7.04	16.39	15.40 - 17.37
NEUT# (10 ³ /μL)	1.10	0.90 - 1.30	2.88	2.47 - 3.28	7.81	6.79 - 8.82
LYMPH# (10 ³ /μL)	1.11	0.81 - 1.40	1.93	1.47 - 2.39	3.94	2.92 - 4.97
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.76	0.38 - 1.14	1.97	1.08 - 2.86
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.70	0.44 - 0.96	1.87	1.16 - 2.58
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.32	0.27 - 0.37	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.73	0.59 - 0.87	1.97	1.62 - 2.33
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.41	0.30 - 0.52	1.09	0.87 - 1.31
NEUT%	37.0	31.8 - 42.2	43.7	38.9 - 48.5	47.6	42.9 - 52.4
LYMPH%	37.1	27.9 - 46.4	29.3	22.8 - 35.7	24.1	18.0 - 30.1
MONO%	12.1	5.6 - 18.6	11.5	6.0 - 17.1	12.0	6.7 - 17.3
EO%	9.0	5.7 - 12.3	10.6	6.8 - 14.5	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.9	4.3 - 5.4
IG (%)	9.5	7.7 - 11.3	11.0	9.2 - 12.9	12.0	10.1 - 14.0
NRBC% (/100 WBC)	5.0	2.7 - 7.2	6.3	4.5 - 8.0	6.6	5.4 - 7.9
RET%	5.46	4.43 - 6.50	2.39	1.89 - 2.89	1.37	0.87 - 1.88
RET# (10 ⁶ /μL)	0.1266	0.0987 - 0.1544	0.1005	0.0814 - 0.1196	0.0679	0.0475 - 0.0883
IRF (%)	51.5	2.1 - 100.9	53.6	5.4 - 101.9	45.8	6.4 - 85.1
RET-He (pg)	24.8	21.3 - 28.3	25.7	22.4 - 29.1	26.9	22.8 - 30.9