



XN CHECK™

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

Expiration Date:	2020-07-19		Quality Control Data Due Date #1: 08-Jun-20		Quality Control Data Due Date #2: 19-Jul-20	
Lot Number:	01211101		01211102		01211103	
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	2.18 - 2.41	4.34	4.16 - 4.51	5.20	4.99 - 5.41
HGB (g/dL)	5.7	5.4 - 6.0	11.6	11.2 - 12.1	15.4	14.8 - 16.0
HCT (%)	17.0	15.8 - 18.2	34.0	32.0 - 36.1	43.8	41.2 - 46.5
MCV (fL)	73.9	69.5 - 78.4	78.5	73.8 - 83.2	84.3	79.2 - 89.4
MCH (pg)	24.9	22.9 - 26.9	26.9	25.0 - 28.7	29.6	27.8 - 31.4
MCHC (g/dL)	33.7	30.4 - 37.1	34.2	31.1 - 37.3	35.1	32.3 - 37.9
RDW-SD (fL)	47.3	44.5 - 50.1	48.9	46.0 - 51.9	48.6	44.7 - 52.4
RDW-CV (%)	18.0	17.0 - 19.1	17.4	16.3 - 18.4	16.1	14.8 - 17.4
PLT (10 ³ /μL)	94	58 - 129	246	219 - 273	565	515 - 616
PLT-F (10 ³ /μL)	83	60 - 105	256	187 - 325	542	418 - 667
IPF (%)	19.2	16.7 - 21.7	20.1	16.1 - 24.2	19.8	15.6 - 23.9
IPF#	15.9	13.8 - 17.9	49.0	39.2 - 58.8	104.7	82.7 - 126.6
MPV (fL)	9.0	7.5 - 10.4	8.9	8.3 - 9.5	8.8	8.4 - 9.2
WBC (10 ³ /μL)	2.94	2.65 - 3.24	6.77	6.30 - 7.25	16.11	15.14 - 17.08
NEUT# (10 ³ /μL)	1.09	0.90 - 1.29	3.07	2.64 - 3.51	7.52	6.54 - 8.50
LYMPH# (10 ³ /μL)	1.07	0.78 - 1.36	1.94	1.47 - 2.40	4.14	3.06 - 5.22
MONO# (10 ³ /μL)	0.41	0.18 - 0.64	0.87	0.44 - 1.31	2.16	1.19 - 3.13
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.73	0.46 - 0.99	1.85	1.15 - 2.55
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.78	0.63 - 0.93	1.89	1.55 - 2.23
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.40	0.29 - 0.51	1.10	0.88 - 1.32
NEUT%	36.6	31.5 - 41.8	44.3	39.4 - 49.2	45.7	41.1 - 50.2
LYMPH%	35.8	26.9 - 44.8	27.9	21.8 - 34.1	25.2	18.9 - 31.4
MONO%	13.7	6.3 - 21.1	12.6	6.5 - 18.6	13.1	7.3 - 18.9
EO%	9.1	5.7 - 12.4	10.4	6.7 - 14.2	11.2	7.1 - 15.4
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.4
IG (%)	9.5	7.7 - 11.3	11.2	9.3 - 13.1	11.5	9.7 - 13.3
NRBC% (/100 WBC)	4.7	2.5 - 6.8	6.0	4.3 - 7.6	6.8	5.5 - 8.1
RET%	6.07	4.92 - 7.23	2.38	1.88 - 2.88	1.04	0.66 - 1.43
RET# (10 ⁶ /μL)	0.1395	0.1088 - 0.1702	0.1033	0.0837 - 0.1230	0.0542	0.0379 - 0.0704
IRF (%)	40.3	1.6 - 79.0	44.2	4.4 - 84.0	36.2	5.1 - 67.4
RET-He (pg)	25.3	21.7 - 28.8	25.9	22.5 - 29.3	27.7	23.6 - 31.9



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-07-19		Quality Control Data Due Date #1: 08-Jun-20		Quality Control Data Due Date #2: 19-Jul-20	
Lot Number:	01211101		01211102		01211103	
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	2.19 - 2.42	4.37	4.20 - 4.55	5.26	5.05 - 5.47
HGB (g/dL)	5.8	5.5 - 6.1	11.8	11.3 - 12.3	15.5	14.9 - 16.2
HCT (%)	17.2	16.0 - 18.4	34.4	32.3 - 36.4	44.4	41.7 - 47.0
MCV (fL)	74.6	70.1 - 79.0	78.6	73.9 - 83.3	84.3	79.2 - 89.3
MCH (pg)	25.1	23.1 - 27.1	27.0	25.1 - 28.9	29.5	27.7 - 31.3
MCHC (g/dL)	33.7	30.3 - 37.1	34.3	31.3 - 37.4	35.0	32.2 - 37.8
RDW-SD (fL)	48.0	45.1 - 50.9	48.2	45.3 - 51.1	47.4	43.6 - 51.2
RDW-CV (%)	18.1	17.0 - 19.1	17.2	16.2 - 18.3	15.8	14.5 - 17.0
PLT (10 ³ /μL)	96	59 - 132	246	219 - 273	568	517 - 619
MPV (fL)	8.9	7.5 - 10.3	8.8	8.2 - 9.4	8.6	8.2 - 9.1
WBC (10 ³ /μL)	3.18	2.87 - 3.50	7.53	7.00 - 8.06	17.99	16.91 - 19.07
NEUT# (10 ³ /μL)	1.11	0.91 - 1.30	3.05	2.62 - 3.48	7.58	6.60 - 8.57
LYMPH# (10 ³ /μL)	1.19	0.87 - 1.51	2.24	1.70 - 2.78	4.77	3.53 - 6.01
MONO# (10 ³ /μL)	0.35	0.15 - 0.55	0.73	0.37 - 1.10	1.86	1.02 - 2.70
EO# (10 ³ /μL)	0.27	0.16 - 0.37	0.74	0.47 - 1.02	1.85	1.14 - 2.55
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.41	0.35 - 0.48	1.02	0.89 - 1.15
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.94	1.98	1.62 - 2.34
NEUT%	36.1	31.1 - 41.2	42.5	37.8 - 47.2	44.4	40.0 - 48.8
LYMPH%	38.8	29.1 - 48.5	31.2	24.3 - 38.1	27.9	20.9 - 34.9
MONO%	11.4	5.3 - 17.6	10.2	5.3 - 15.1	10.9	6.1 - 15.7
EO%	8.7	5.5 - 11.9	10.3	6.6 - 14.1	10.8	6.8 - 14.8
BASO%	5.0	4.0 - 5.9	5.7	5.0 - 6.5	6.0	5.3 - 6.7
IG (%)	9.4	7.6 - 11.2	11.0	9.2 - 12.9	11.6	9.7 - 13.5
RET%	6.88	5.57 - 8.19	2.59	2.05 - 3.14	1.03	0.65 - 1.40
RET# (10 ⁶ /μL)	0.1587	0.1238 - 0.1936	0.1134	0.0919 - 0.1350	0.0540	0.0378 - 0.0702
IRF (%)	36.2	1.4 - 71.0	40.1	4.0 - 76.2	33.5	4.7 - 62.4
RET-He (pg)	22.9	19.7 - 26.1	23.5	20.5 - 26.6	24.8	21.1 - 28.6



XN CHECK™

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

Expiration Date:	2020-07-19		Quality Control Data Due Date #1: 08-Jun-20		Quality Control Data Due Date #2: 19-Jul-20	
Lot Number:	01211101		01211102		01211103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.33	2.21 - 2.45	4.39	4.22 - 4.57	5.28	5.07 - 5.50
HGB (g/dL)	5.73	5.44 - 6.01	11.77	11.30 - 12.24	15.59	14.97 - 16.21
HCT (%)	16.8	15.6 - 18.0	33.4	31.4 - 35.4	43.2	40.6 - 45.8
MCV (fL)	72.1	67.8 - 76.4	76.1	71.5 - 80.7	81.8	76.9 - 86.7
MCH (pg)	24.6	22.6 - 26.6	26.8	24.9 - 28.7	29.5	27.7 - 31.3
MCHC (g/dL)	34.1	30.7 - 37.5	35.2	32.0 - 38.4	36.1	33.2 - 39.0
RDW-SD (fL)	45.6	42.9 - 48.3	47.5	44.6 - 50.3	47.4	43.6 - 51.2
RDW-CV (%)	18.0	16.9 - 19.0	17.7	16.7 - 18.8	16.5	15.2 - 17.8
PLT (10 ³ /μL)	96	59 - 132	246	219 - 274	568	517 - 619
PLT-F (10 ³ /μL)	84	61 - 106	251	183 - 318	542	417 - 666
IPF (%)	19.3	16.7 - 21.8	19.8	15.9 - 23.8	20.5	16.2 - 24.8
IPF#	16.1	14.0 - 18.2	47.4	37.9 - 56.9	108.2	85.5 - 130.9
MPV (fL)	10.1	8.5 - 11.7	9.9	9.2 - 10.6	9.7	9.2 - 10.2
WBC (10 ³ /μL)	2.93	2.63 - 3.22	6.72	6.25 - 7.19	16.08	15.12 - 17.05
NEUT# (10 ³ /μL)	1.12	0.91 - 1.32	3.08	2.65 - 3.52	7.58	6.59 - 8.56
LYMPH# (10 ³ /μL)	1.06	0.77 - 1.34	1.96	1.49 - 2.43	4.06	3.00 - 5.11
MONO# (10 ³ /μL)	0.42	0.19 - 0.66	0.88	0.44 - 1.32	2.25	1.24 - 3.27
EO# (10 ³ /μL)	0.27	0.17 - 0.38	0.73	0.46 - 1.00	1.84	1.14 - 2.54
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.70 - 0.91
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.93	1.91	1.56 - 2.25
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.09	0.87 - 1.31
NEUT%	37.0	31.8 - 42.2	44.1	39.2 - 48.9	45.8	41.3 - 50.4
LYMPH%	35.1	26.3 - 43.9	28.1	21.9 - 34.2	24.5	18.4 - 30.7
MONO%	14.0	6.4 - 21.6	12.6	6.6 - 18.7	13.6	7.6 - 19.6
EO%	9.1	5.7 - 12.5	10.4	6.7 - 14.1	11.1	7.0 - 15.3
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	9.5	7.7 - 11.3	11.2	9.3 - 13.1	11.5	9.7 - 13.4
NRBC% (/100 WBC)	4.8	2.6 - 6.9	6.1	4.4 - 7.8	6.8	5.5 - 8.1
RET%	5.04	4.08 - 5.99	2.03	1.60 - 2.46	0.94	0.60 - 1.29
RET# (10 ⁶ /μL)	0.1173	0.0915 - 0.1431	0.0892	0.0723 - 0.1062	0.0499	0.0349 - 0.0649
IRF (%)	46.4	1.9 - 91.0	47.6	4.8 - 90.5	34.8	4.9 - 64.8
RET-He (pg)	24.2	20.9 - 27.6	25.0	21.7 - 28.2	27.2	23.2 - 31.3