



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:	01201101		01201102		01201103	
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	4.34	4.17 - 4.52	5.28	5.07 - 5.49
HGB (g/dL)	5.8	5.5 - 6.1	11.8	11.3 - 12.2	15.6	14.9 - 16.2
HCT (%)	17.3	16.0 - 18.5	34.4	32.4 - 36.5	44.7	42.0 - 47.4
MCV (fL)	74.2	69.8 - 78.7	79.2	74.5 - 84.0	84.8	79.7 - 89.8
MCH (pg)	24.9	22.9 - 26.9	27.1	25.2 - 28.9	29.5	27.7 - 31.3
MCHC (g/dL)	33.5	30.2 - 36.9	34.1	31.1 - 37.2	34.8	32.0 - 37.6
RDW-SD (fL)	47.0	44.2 - 49.8	47.9	45.0 - 50.8	48.5	44.7 - 52.4
RDW-CV (%)	17.8	16.8 - 18.9	16.9	15.9 - 18.0	16.0	14.8 - 17.3
PLT (10 ³ /μL)	93	57 - 128	253	225 - 281	567	516 - 618
PLT-F (10 ³ /μL)	83	60 - 105	258	188 - 327	540	416 - 664
IPF (%)	19.2	16.7 - 21.7	20.1	16.1 - 24.1	19.7	15.5 - 23.8
IPF#	15.8	13.8 - 17.9	49.3	39.4 - 59.1	103.6	81.8 - 125.3
MPV (fL)	9.0	7.6 - 10.5	9.6	8.9 - 10.3	9.4	9.0 - 9.9
WBC (10 ³ /μL)	3.00	2.70 - 3.30	6.81	6.33 - 7.29	15.97	15.01 - 16.93
NEUT# (10 ³ /μL)	1.15	0.94 - 1.35	3.08	2.65 - 3.51	7.75	6.74 - 8.76
LYMPH# (10 ³ /μL)	1.10	0.80 - 1.39	1.98	1.51 - 2.46	4.12	3.05 - 5.19
MONO# (10 ³ /μL)	0.42	0.18 - 0.65	0.88	0.44 - 1.32	1.98	1.09 - 2.88
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.75	0.47 - 1.03	1.77	1.10 - 2.44
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.39	0.79	0.69 - 0.89
IG # (10 ³ /μL)	0.30	0.23 - 0.36	0.78	0.63 - 0.92	1.94	1.59 - 2.29
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.41	0.30 - 0.52	1.06	0.85 - 1.27
NEUT%	37.2	32.0 - 42.4	43.8	39.0 - 48.6	47.2	42.5 - 51.9
LYMPH%	35.5	26.7 - 44.4	28.2	22.0 - 34.4	25.1	18.8 - 31.4
MONO%	13.5	6.2 - 20.7	12.5	6.5 - 18.5	12.1	6.8 - 17.4
EO%	9.0	5.7 - 12.3	10.7	6.8 - 14.5	10.8	6.8 - 14.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	9.6	7.7 - 11.4	11.1	9.2 - 12.9	11.8	9.9 - 13.7
NRBC% (/100 WBC)	5.0	2.7 - 7.3	6.0	4.3 - 7.6	6.6	5.4 - 7.9
RET%	5.45	4.41 - 6.48	2.25	1.77 - 2.72	0.98	0.62 - 1.35
RET# (10 ⁶ /μL)	0.1267	0.0988 - 0.1545	0.0975	0.0790 - 0.1161	0.0519	0.0363 - 0.0675
IRF (%)	33.3	1.3 - 65.2	36.2	3.6 - 68.9	28.2	3.9 - 52.4
RET-He (pg)	25.4	21.8 - 28.9	26.2	22.8 - 29.6	27.6	23.4 - 31.7



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:	01201101		01201102		01201103	
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	2.19 - 2.42	4.36	4.19 - 4.54	5.31	5.10 - 5.52
HGB (g/dL)	5.8	5.5 - 6.0	11.8	11.3 - 12.3	15.6	15.0 - 16.3
HCT (%)	17.0	15.8 - 18.2	34.3	32.2 - 36.3	44.7	42.0 - 47.4
MCV (fL)	73.8	69.4 - 78.3	78.6	73.8 - 83.3	84.1	79.1 - 89.1
MCH (pg)	25.0	23.0 - 26.9	27.0	25.1 - 28.9	29.4	27.7 - 31.2
MCHC (g/dL)	33.8	30.4 - 37.2	34.4	31.3 - 37.5	35.0	32.2 - 37.8
RDW-SD (fL)	47.4	44.6 - 50.3	47.5	44.7 - 50.4	47.3	43.5 - 51.1
RDW-CV (%)	18.1	17.0 - 19.1	16.9	15.9 - 17.9	15.8	14.5 - 17.0
PLT (10 ³ /μL)	96	59 - 132	253	225 - 280	564	513 - 615
MPV (fL)	8.9	7.5 - 10.4	9.4	8.8 - 10.1	9.3	8.8 - 9.7
WBC (10 ³ /μL)	3.24	2.92 - 3.56	7.53	7.00 - 8.06	17.67	16.61 - 18.73
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	3.03	2.60 - 3.45	7.58	6.60 - 8.57
LYMPH# (10 ³ /μL)	1.21	0.88 - 1.54	2.25	1.71 - 2.79	4.63	3.43 - 5.83
MONO# (10 ³ /μL)	0.35	0.15 - 0.55	0.74	0.37 - 1.11	1.70	0.94 - 2.47
EO# (10 ³ /μL)	0.27	0.17 - 0.38	0.74	0.47 - 1.02	1.80	1.12 - 2.48
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.41	0.35 - 0.48	1.05	0.91 - 1.19
IG # (10 ³ /μL)	0.29	0.23 - 0.36	0.79	0.64 - 0.94	1.98	1.62 - 2.34
NEUT%	36.3	31.2 - 41.3	42.2	37.6 - 46.9	45.2	40.7 - 49.8
LYMPH%	38.8	29.1 - 48.6	31.3	24.4 - 38.2	27.6	20.7 - 34.5
MONO%	11.3	5.2 - 17.4	10.3	5.4 - 15.3	10.2	5.7 - 14.6
EO%	8.8	5.5 - 12.0	10.4	6.6 - 14.1	10.7	6.8 - 14.7
BASO%	4.9	3.9 - 5.8	5.7	5.0 - 6.5	6.3	5.5 - 7.0
IG (%)	9.4	7.6 - 11.2	11.0	9.1 - 12.9	11.8	9.9 - 13.7
RET%	6.15	4.98 - 7.31	2.38	1.88 - 2.88	0.93	0.59 - 1.28
RET# (10 ⁶ /μL)	0.1417	0.1105 - 0.1728	0.1038	0.0841 - 0.1235	0.0496	0.0347 - 0.0644
IRF (%)	28.1	1.1 - 55.1	29.6	3.0 - 56.2	25.2	3.5 - 46.9
RET-He (pg)	23.0	19.8 - 26.3	23.7	20.6 - 26.8	24.9	21.2 - 28.7



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:	01201101		01201102		01201103	
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	2.23 - 2.47	4.40	4.22 - 4.58	5.36	5.15 - 5.58
HGB (g/dL)	5.74	5.45 - 6.02	11.86	11.39 - 12.34	15.79	15.16 - 16.42
HCT (%)	16.9	15.7 - 18.1	33.5	31.5 - 35.5	43.7	41.1 - 46.3
MCV (fL)	71.8	67.5 - 76.1	76.1	71.5 - 80.6	81.4	76.5 - 86.3
MCH (pg)	24.4	22.4 - 26.4	27.0	25.1 - 28.9	29.4	27.7 - 31.2
MCHC (g/dL)	34.0	30.6 - 37.4	35.5	32.3 - 38.6	36.2	33.3 - 39.0
RDW-SD (fL)	45.9	43.1 - 48.6	46.1	43.3 - 48.9	47.0	43.3 - 50.8
RDW-CV (%)	18.1	17.0 - 19.2	17.1	16.1 - 18.2	16.6	15.2 - 17.9
PLT (10 ³ /μL)	94	59 - 130	251	223 - 278	571	520 - 622
PLT-F (10 ³ /μL)	83	60 - 105	253	185 - 322	539	415 - 662
IPF (%)	19.2	16.7 - 21.7	20.0	16.0 - 24.0	20.5	16.2 - 24.8
IPF#	15.9	13.8 - 18.0	48.2	38.6 - 57.8	107.7	85.1 - 130.3
MPV (fL)	10.1	8.5 - 11.7	10.6	9.9 - 11.4	10.5	9.9 - 11.0
WBC (10 ³ /μL)	3.01	2.71 - 3.31	6.82	6.34 - 7.30	15.98	15.03 - 16.94
NEUT# (10 ³ /μL)	1.15	0.94 - 1.35	3.10	2.66 - 3.53	7.77	6.76 - 8.78
LYMPH# (10 ³ /μL)	1.10	0.80 - 1.39	1.97	1.50 - 2.44	4.01	2.97 - 5.05
MONO# (10 ³ /μL)	0.43	0.19 - 0.68	0.92	0.46 - 1.39	2.10	1.16 - 3.05
EO# (10 ³ /μL)	0.27	0.17 - 0.38	0.74	0.46 - 1.01	1.80	1.12 - 2.49
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.34	0.29 - 0.39	0.80	0.70 - 0.90
IG # (10 ³ /μL)	0.29	0.23 - 0.36	0.79	0.64 - 0.94	1.94	1.59 - 2.29
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.41	0.30 - 0.52	1.06	0.85 - 1.27
NEUT%	37.0	31.8 - 42.1	43.8	39.0 - 48.7	47.1	42.4 - 51.9
LYMPH%	35.4	26.6 - 44.3	27.9	21.7 - 34.0	24.3	18.2 - 30.4
MONO%	14.0	6.4 - 21.5	13.1	6.8 - 19.4	12.8	7.1 - 18.4
EO%	8.8	5.6 - 12.1	10.4	6.7 - 14.2	10.9	6.9 - 15.0
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	11.1	9.3 - 13.0	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.9	2.6 - 7.1	6.1	4.4 - 7.7	6.6	5.4 - 7.9
RET%	4.64	3.76 - 5.52	1.92	1.52 - 2.33	0.88	0.56 - 1.21
RET# (10 ⁶ /μL)	0.1090	0.0851 - 0.1330	0.0847	0.0686 - 0.1007	0.0473	0.0331 - 0.0614
IRF (%)	38.9	1.6 - 76.3	39.9	4.0 - 75.8	29.1	4.1 - 54.2
RET-He (pg)	24.4	21.0 - 27.8	25.3	22.0 - 28.6	27.1	23.0 - 31.2