



XN CHECK™

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

Expiration Date:	2020-05-24		Quality Control Data Due Date #1: 13-Apr-20		Quality Control Data Due Date #2: 24-May-20	
Lot Number:	00651101		00651102		00651103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.28	2.17 - 2.39	4.31	4.14 - 4.48	5.22	5.01 - 5.43
HGB (g/dL)	5.7	5.4 - 6.0	11.6	11.1 - 12.1	15.6	15.0 - 16.2
HCT (%)	16.9	15.7 - 18.1	33.9	31.9 - 35.9	44.4	41.7 - 47.1
MCV (fL)	74.1	69.7 - 78.5	78.7	74.0 - 83.4	85.1	80.0 - 90.2
MCH (pg)	25.0	23.0 - 27.0	26.9	25.0 - 28.8	29.9	28.1 - 31.7
MCHC (g/dL)	33.7	30.3 - 37.1	34.2	31.1 - 37.3	35.1	32.3 - 37.9
RDW-SD (fL)	50.8	47.8 - 53.8	50.3	47.3 - 53.3	52.1	47.9 - 56.3
RDW-CV (%)	19.0	17.9 - 20.1	17.8	16.7 - 18.9	17.0	15.6 - 18.4
PLT (10 ³ /μL)	91	56 - 126	244	217 - 271	550	501 - 600
PLT-F (10 ³ /μL)	79	58 - 100	244	178 - 310	517	398 - 636
IPF (%)	19.5	17.0 - 22.0	20.4	16.3 - 24.5	19.8	15.6 - 24.0
IPF#	15.5	13.5 - 17.5	47.4	37.9 - 56.9	99.8	78.8 - 120.8
MPV (fL)	8.8	7.4 - 10.2	9.9	9.2 - 10.6	9.7	9.2 - 10.2
WBC (10 ³ /μL)	2.87	2.58 - 3.16	6.76	6.29 - 7.23	15.59	14.65 - 16.53
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	3.01	2.59 - 3.43	7.37	6.41 - 8.33
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.31	1.98	1.50 - 2.46	3.98	2.95 - 5.01
MONO# (10 ³ /μL)	0.41	0.18 - 0.64	0.90	0.45 - 1.35	2.19	1.20 - 3.18
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.71	0.45 - 0.97	1.69	1.05 - 2.33
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.77	0.67 - 0.87
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.76	0.62 - 0.90	1.84	1.51 - 2.17
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.42	0.31 - 0.53	1.07	0.86 - 1.28
NEUT%	37.8	32.5 - 43.1	43.3	38.5 - 48.1	46.1	41.5 - 50.7
LYMPH%	34.6	26.0 - 43.3	28.6	22.3 - 34.9	24.9	18.7 - 31.1
MONO%	13.7	6.3 - 21.1	13.0	6.8 - 19.2	13.7	7.7 - 19.7
EO%	9.1	5.7 - 12.5	10.2	6.5 - 13.9	10.6	6.7 - 14.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.7	7.9 - 11.5	10.9	9.0 - 12.8	11.5	9.7 - 13.3
NRBC% (/100 WBC)	4.7	2.5 - 6.9	6.0	4.3 - 7.7	6.7	5.4 - 8.0
RET%	5.59	4.53 - 6.65	2.07	1.64 - 2.50	0.83	0.52 - 1.14
RET# (10 ⁶ /μL)	0.1275	0.0995 - 0.1556	0.0892	0.0723 - 0.1061	0.0433	0.0303 - 0.0563
IRF (%)	32.1	1.3 - 62.9	34.4	3.4 - 65.4	26.6	3.7 - 49.5
RET-He (pg)	24.3	20.9 - 27.7	25.2	21.9 - 28.5	27.2	23.1 - 31.3



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-05-24		Quality Control Data Due Date #1: 13-Apr-20		Quality Control Data Due Date #2: 24-May-20	
Lot Number:	00651101		00651102		00651103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.29	2.18 - 2.40	4.33	4.16 - 4.50	5.28	5.07 - 5.49
HGB (g/dL)	5.7	5.4 - 6.0	11.6	11.1 - 12.1	15.7	15.1 - 16.3
HCT (%)	17.1	15.9 - 18.3	33.9	31.9 - 35.9	44.7	42.0 - 47.4
MCV (fL)	74.7	70.2 - 79.2	78.3	73.6 - 83.0	84.7	79.6 - 89.8
MCH (pg)	24.9	22.9 - 26.9	26.8	24.9 - 28.7	29.7	27.9 - 31.5
MCHC (g/dL)	33.3	30.0 - 36.6	34.2	31.1 - 37.3	35.1	32.3 - 37.9
RDW-SD (fL)	50.4	47.4 - 53.4	49.2	46.2 - 52.2	50.6	46.6 - 54.6
RDW-CV (%)	19.1	18.0 - 20.2	17.7	16.6 - 18.8	16.7	15.4 - 18.0
PLT (10 ³ /μL)	94	58 - 130	248	221 - 275	566	515 - 617
MPV (fL)	8.7	7.3 - 10.1	9.7	9.0 - 10.4	9.5	9.0 - 10.0
WBC (10 ³ /μL)	3.12	2.81 - 3.43	7.46	6.94 - 7.98	17.37	16.33 - 18.41
NEUT# (10 ³ /μL)	1.11	0.91 - 1.31	2.96	2.55 - 3.37	7.29	6.34 - 8.24
LYMPH# (10 ³ /μL)	1.14	0.83 - 1.45	2.25	1.71 - 2.79	4.58	3.39 - 5.77
MONO# (10 ³ /μL)	0.32	0.14 - 0.50	0.77	0.39 - 1.16	1.88	1.03 - 2.73
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.73	0.46 - 1.00	1.73	1.07 - 2.39
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.41	0.34 - 0.48	0.99	0.86 - 1.12
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.77	0.62 - 0.92	1.89	1.55 - 2.23
NEUT%	37.1	31.9 - 42.3	41.6	37.0 - 46.2	44.3	39.9 - 48.7
LYMPH%	38.1	28.6 - 47.6	31.7	24.7 - 38.7	27.8	20.9 - 34.8
MONO%	10.8	5.0 - 16.6	10.8	5.6 - 16.0	11.4	6.4 - 16.4
EO%	9.1	5.7 - 12.5	10.3	6.6 - 14.0	10.5	6.6 - 14.4
BASO%	5.0	4.1 - 6.0	5.7	5.0 - 6.4	6.0	5.3 - 6.7
IG (%)	9.7	7.9 - 11.5	10.8	9.0 - 12.6	11.5	9.7 - 13.3
RET%	6.50	5.27 - 7.74	2.27	1.79 - 2.75	0.79	0.50 - 1.08
RET# (10 ⁶ /μL)	0.1489	0.1161 - 0.1817	0.0983	0.0796 - 0.1170	0.0417	0.0292 - 0.0542
IRF (%)	26.3	1.1 - 51.5	28.0	2.8 - 53.2	22.9	3.2 - 42.6
RET-He (pg)	22.2	19.1 - 25.3	22.9	19.9 - 25.9	24.6	20.9 - 28.3



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

Expiration Date:	2020-05-24		Quality Control Data Due Date #1: 13-Apr-20		Quality Control Data Due Date #2: 24-May-20	
Lot Number:	00651101		00651102		00651103	
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 - 2.44	4.34	4.17 - 4.51	5.30	5.09 - 5.51
HGB (g/dL)	5.65	5.37 - 5.93	11.53	11.07 - 11.99	15.68	15.05 - 16.31
HCT (%)	16.7	15.5 - 17.9	32.8	30.8 - 34.8	43.5	40.9 - 46.1
MCV (fL)	72.0	67.7 - 76.3	75.6	71.1 - 80.1	82.1	77.2 - 87.0
MCH (pg)	24.4	22.4 - 26.4	26.6	24.7 - 28.5	29.6	27.8 - 31.4
MCHC (g/dL)	33.8	30.4 - 37.2	35.2	32.0 - 38.4	36.0	33.1 - 38.9
RDW-SD (fL)	48.5	45.6 - 51.4	47.8	44.9 - 50.7	50.8	46.7 - 54.9
RDW-CV (%)	19.0	17.9 - 20.1	17.9	16.8 - 19.0	17.8	16.4 - 19.2
PLT (10 ³ /μL)	93	58 - 128	244	217 - 271	557	507 - 607
PLT-F (10 ³ /μL)	81	59 - 103	243	177 - 309	522	402 - 642
IPF (%)	19.1	16.6 - 21.6	19.8	15.8 - 23.8	19.7	15.6 - 23.8
IPF#	15.5	13.5 - 17.5	45.9	36.7 - 55.1	100.5	79.4 - 121.6
MPV (fL)	9.8	8.2 - 11.4	10.9	10.1 - 11.7	10.7	10.2 - 11.2
WBC (10 ³ /μL)	2.89	2.60 - 3.18	6.69	6.22 - 7.16	15.64	14.70 - 16.58
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	3.01	2.59 - 3.43	7.34	6.39 - 8.29
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.31	1.96	1.49 - 2.43	3.99	2.95 - 5.03
MONO# (10 ³ /μL)	0.40	0.18 - 0.62	0.93	0.47 - 1.40	2.24	1.23 - 3.25
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.68	0.43 - 0.93	1.75	1.09 - 2.42
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.77	0.67 - 0.87
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.77	0.62 - 0.92	1.85	1.52 - 2.18
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.42	0.31 - 0.53	1.09	0.87 - 1.31
NEUT%	38.0	32.7 - 43.3	43.5	38.7 - 48.3	45.6	41.0 - 50.2
LYMPH%	34.7	26.0 - 43.4	28.4	22.2 - 34.6	24.8	18.6 - 31.0
MONO%	13.5	6.2 - 20.8	13.5	7.0 - 20.0	13.9	7.8 - 20.0
EO%	9.1	5.7 - 12.5	9.8	6.3 - 13.3	10.9	6.9 - 14.9
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	11.1	9.2 - 13.0	11.5	9.7 - 13.3
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.1	4.4 - 7.8	6.8	5.5 - 8.1
RET%	5.10	4.13 - 6.07	1.89	1.49 - 2.29	0.80	0.50 - 1.10
RET# (10 ⁶ /μL)	0.1183	0.0923 - 0.1443	0.0820	0.0664 - 0.0976	0.0424	0.0297 - 0.0551
IRF (%)	36.8	1.5 - 72.1	37.5	3.8 - 71.3	26.1	3.7 - 48.5
RET-He (pg)	23.7	20.4 - 27.0	24.7	21.5 - 27.9	27.4	23.3 - 31.5