



XN CHECK™

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

Expiration Date:	2020-09-13		Quality Control Data Due Date #1: 03-Aug-20		Quality Control Data Due Date #2: 13-Sep-20	
Lot Number:	01771101		01771102		01771103	
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	4.18	4.01 - 4.34	4.98	4.78 - 5.18
HGB (g/dL)	5.8	5.5 - 6.0	11.2	10.8 - 11.7	15.0	14.4 - 15.5
HCT (%)	17.0	15.8 - 18.2	32.7	30.8 - 34.7	42.5	39.9 - 45.0
MCV (fL)	74.0	69.5 - 78.4	78.4	73.7 - 83.1	85.2	80.1 - 90.3
MCH (pg)	25.0	23.0 - 27.0	26.9	25.0 - 28.7	30.0	28.2 - 31.8
MCHC (g/dL)	33.8	30.4 - 37.2	34.2	31.2 - 37.3	35.2	32.4 - 38.0
RDW-SD (fL)	57.1	53.7 - 60.6	50.0	47.0 - 52.9	48.2	44.4 - 52.1
RDW-CV (%)	21.6	20.3 - 22.9	17.7	16.6 - 18.8	15.8	14.6 - 17.1
PLT (10 ³ /μL)	93	58 - 128	237	211 - 263	554	504 - 604
PLT-F (10 ³ /μL)	82	60 - 104	241	176 - 306	523	403 - 644
IPF (%)	18.9	16.5 - 21.4	19.8	15.8 - 23.8	20.1	15.9 - 24.4
IPF#	15.5	13.5 - 17.5	45.4	36.3 - 54.5	102.8	81.2 - 124.4
MPV (fL)	8.8	7.4 - 10.2	9.9	9.2 - 10.5	9.7	9.2 - 10.2
WBC (10 ³ /μL)	2.90	2.61 - 3.19	6.62	6.16 - 7.09	15.87	14.92 - 16.83
NEUT# (10 ³ /μL)	1.10	0.90 - 1.30	2.94	2.53 - 3.35	7.45	6.48 - 8.42
LYMPH# (10 ³ /μL)	1.00	0.73 - 1.27	1.95	1.48 - 2.42	3.96	2.93 - 4.99
MONO# (10 ³ /μL)	0.43	0.19 - 0.67	0.89	0.44 - 1.33	2.17	1.19 - 3.15
EO# (10 ³ /μL)	0.27	0.17 - 0.38	0.70	0.44 - 0.95	1.83	1.13 - 2.52
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.74	0.60 - 0.88	1.88	1.55 - 2.22
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.44	0.32 - 0.55	1.01	0.81 - 1.21
NEUT%	37.3	32.1 - 42.6	43.2	38.5 - 48.0	46.0	41.4 - 50.6
LYMPH%	33.9	25.4 - 42.4	28.7	22.4 - 35.0	24.5	18.4 - 30.6
MONO%	14.7	6.8 - 22.6	13.1	6.8 - 19.3	13.4	7.5 - 19.3
EO%	9.3	5.8 - 12.7	10.2	6.5 - 13.9	11.3	7.1 - 15.5
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	9.6	7.8 - 11.4	10.9	9.1 - 12.8	11.6	9.8 - 13.5
NRBC% (/100 WBC)	4.8	2.6 - 6.9	6.6	4.7 - 8.4	6.4	5.2 - 7.6
RET%	5.63	4.56 - 6.69	2.49	1.97 - 3.02	0.93	0.59 - 1.28
RET# (10 ⁶ /μL)	0.1295	0.1010 - 0.1579	0.1041	0.0843 - 0.1239	0.0465	0.0326 - 0.0605
IRF (%)	36.2	1.4 - 71.0	39.5	3.9 - 75.0	27.8	3.9 - 51.7
RET-He (pg)	25.3	21.7 - 28.8	26.1	22.7 - 29.5	28.5	24.2 - 32.7



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-09-13		Quality Control Data Due Date #1: 03-Aug-20		Quality Control Data Due Date #2: 13-Sep-20	
Lot Number:	01771101		01771102		01771103	
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	2.20 - 2.43	4.21	4.05 - 4.38	5.05	4.84 - 5.25
HGB (g/dL)	5.8	5.5 - 6.1	11.3	10.9 - 11.8	15.1	14.5 - 15.7
HCT (%)	17.1	15.9 - 18.3	32.8	30.9 - 34.8	42.7	40.1 - 45.3
MCV (fL)	73.9	69.5 - 78.4	77.9	73.2 - 82.6	84.6	79.6 - 89.7
MCH (pg)	25.2	23.1 - 27.2	26.8	25.0 - 28.7	29.9	28.1 - 31.7
MCHC (g/dL)	34.0	30.6 - 37.4	34.4	31.3 - 37.5	35.3	32.5 - 38.1
RDW-SD (fL)	57.8	54.3 - 61.2	49.1	46.1 - 52.0	47.2	43.4 - 50.9
RDW-CV (%)	21.7	20.4 - 23.0	17.6	16.5 - 18.7	15.5	14.2 - 16.7
PLT (10 ³ /μL)	95	59 - 131	241	215 - 268	558	508 - 609
MPV (fL)	8.6	7.2 - 10.0	9.7	9.0 - 10.4	9.5	9.0 - 10.0
WBC (10 ³ /μL)	3.13	2.82 - 3.44	7.38	6.86 - 7.90	17.52	16.47 - 18.58
NEUT# (10 ³ /μL)	1.10	0.90 - 1.30	2.93	2.52 - 3.34	7.42	6.46 - 8.39
LYMPH# (10 ³ /μL)	1.16	0.85 - 1.48	2.25	1.71 - 2.80	4.61	3.41 - 5.81
MONO# (10 ³ /μL)	0.33	0.14 - 0.51	0.72	0.36 - 1.09	1.85	1.02 - 2.68
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.71	0.45 - 0.97	1.80	1.12 - 2.49
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.40	0.33 - 0.46	1.01	0.88 - 1.14
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.77	0.62 - 0.91	1.93	1.58 - 2.28
NEUT%	36.5	31.4 - 41.7	41.7	37.2 - 46.3	44.5	40.0 - 48.9
LYMPH%	38.7	29.0 - 48.3	32.1	25.1 - 39.2	27.6	20.7 - 34.5
MONO%	10.9	5.0 - 16.8	10.3	5.4 - 15.3	11.1	6.2 - 15.9
EO%	8.9	5.6 - 12.2	10.1	6.5 - 13.8	10.8	6.8 - 14.8
BASO%	5.0	4.0 - 5.9	5.7	4.9 - 6.4	6.0	5.3 - 6.8
IG (%)	9.5	7.7 - 11.3	10.9	9.1 - 12.8	11.6	9.7 - 13.4
RET%	6.39	5.18 - 7.61	2.75	2.18 - 3.33	0.89	0.56 - 1.22
RET# (10 ⁶ /μL)	0.1480	0.1155 - 0.1806	0.1161	0.0940 - 0.1381	0.0451	0.0315 - 0.0586
IRF (%)	28.0	1.1 - 54.8	29.7	3.0 - 56.4	24.8	3.5 - 46.2
RET-He (pg)	22.5	19.3 - 25.6	23.1	20.1 - 26.1	24.8	21.1 - 28.5



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

Expiration Date:	2020-09-13		Quality Control Data Due Date #1: 03-Aug-20		Quality Control Data Due Date #2: 13-Sep-20	
Lot Number:	01771101		01771102		01771103	
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	4.25	4.08 - 4.42	5.06	4.85 - 5.26
HGB (g/dL)	5.80	5.51 - 6.09	11.32	10.86 - 11.77	15.11	14.51 - 15.72
HCT (%)	17.0	15.8 - 18.1	32.0	30.1 - 33.9	41.8	39.3 - 44.3
MCV (fL)	72.0	67.7 - 76.4	75.4	70.9 - 79.9	82.6	77.6 - 87.5
MCH (pg)	24.6	22.7 - 26.6	26.6	24.8 - 28.5	29.9	28.1 - 31.7
MCHC (g/dL)	34.2	30.8 - 37.6	35.3	32.2 - 38.5	36.2	33.3 - 39.1
RDW-SD (fL)	55.3	52.0 - 58.6	48.0	45.1 - 50.9	48.1	44.3 - 52.0
RDW-CV (%)	21.6	20.3 - 22.9	18.1	17.0 - 19.2	16.5	15.2 - 17.9
PLT (10 ³ /μL)	93	58 - 128	238	212 - 264	549	499 - 598
PLT-F (10 ³ /μL)	82	60 - 104	240	175 - 305	524	403 - 644
IPF (%)	19.0	16.5 - 21.4	20.2	16.1 - 24.2	20.3	16.0 - 24.5
IPF#	15.6	13.5 - 17.6	46.1	36.8 - 55.3	103.6	81.8 - 125.4
MPV (fL)	9.8	8.2 - 11.4	11.0	10.2 - 11.7	10.8	10.3 - 11.3
WBC (10 ³ /μL)	2.91	2.62 - 3.20	6.62	6.16 - 7.09	15.79	14.85 - 16.74
NEUT# (10 ³ /μL)	1.12	0.92 - 1.32	2.94	2.53 - 3.35	7.49	6.52 - 8.46
LYMPH# (10 ³ /μL)	1.05	0.76 - 1.33	1.98	1.51 - 2.46	4.00	2.96 - 5.04
MONO# (10 ³ /μL)	0.41	0.18 - 0.63	0.89	0.44 - 1.33	2.14	1.18 - 3.10
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.72	0.45 - 0.98	1.78	1.11 - 2.46
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.75	0.61 - 0.89	1.88	1.54 - 2.22
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.44	0.32 - 0.56	1.02	0.81 - 1.22
NEUT%	37.4	32.2 - 42.7	42.9	38.2 - 47.6	46.3	41.6 - 50.9
LYMPH%	35.1	26.3 - 43.9	28.9	22.6 - 35.3	24.7	18.5 - 30.9
MONO%	13.6	6.3 - 21.0	13.0	6.7 - 19.2	13.2	7.4 - 19.0
EO%	9.1	5.7 - 12.4	10.4	6.7 - 14.2	11.0	6.9 - 15.1
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.6	7.7 - 11.4	10.9	9.1 - 12.8	11.6	9.8 - 13.5
NRBC% (/100 WBC)	4.8	2.6 - 6.9	6.6	4.8 - 8.5	6.4	5.2 - 7.7
RET%	4.93	3.99 - 5.86	2.18	1.72 - 2.64	0.87	0.55 - 1.20
RET# (10 ⁶ /μL)	0.1159	0.0904 - 0.1415	0.0926	0.0750 - 0.1102	0.0442	0.0310 - 0.0575
IRF (%)	39.6	1.6 - 77.6	41.7	4.2 - 79.3	27.7	3.9 - 51.5
RET-He (pg)	24.1	20.7 - 27.5	25.1	21.8 - 28.3	27.8	23.6 - 32.0