



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:	00631101		00631102		00631103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.34	2.22 - 2.46	4.34	4.17 - 4.51	5.21	5.00 - 5.42
HGB (g/dL)	5.9	5.6 - 6.2	11.9	11.4 - 12.4	15.5	14.9 - 16.1
HCT (%)	17.4	16.2 - 18.6	34.7	32.6 - 36.8	44.3	41.6 - 47.0
MCV (fL)	74.4	69.9 - 78.9	80.0	75.2 - 84.8	85.0	79.9 - 90.1
MCH (pg)	25.2	23.2 - 27.2	27.4	25.5 - 29.3	29.8	28.0 - 31.6
MCHC (g/dL)	33.9	30.5 - 37.3	34.3	31.2 - 37.4	35.0	32.2 - 37.8
RDW-SD (fL)	47.5	44.7 - 50.4	50.3	47.3 - 53.3	49.0	45.1 - 52.9
RDW-CV (%)	17.8	16.7 - 18.9	17.5	16.5 - 18.6	15.9	14.6 - 17.2
PLT (10 ³ /μL)	93	58 - 128	244	217 - 271	560	510 - 610
PLT-F (10 ³ /μL)	81	59 - 103	247	180 - 314	524	403 - 645
IPF (%)	19.0	16.5 - 21.5	20.0	16.0 - 24.0	20.8	16.4 - 25.2
IPF#	15.4	13.4 - 17.4	47.1	37.7 - 56.5	106.1	83.8 - 128.4
MPV (fL)	8.8	7.4 - 10.2	9.8	9.1 - 10.5	9.6	9.1 - 10.1
WBC (10 ³ /μL)	2.89	2.60 - 3.18	6.96	6.47 - 7.45	15.87	14.92 - 16.82
NEUT# (10 ³ /μL)	1.14	0.93 - 1.35	3.11	2.67 - 3.55	7.48	6.51 - 8.45
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.32	2.03	1.54 - 2.52	4.14	3.06 - 5.22
MONO# (10 ³ /μL)	0.38	0.17 - 0.59	0.97	0.49 - 1.46	2.09	1.15 - 3.03
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.75	0.47 - 1.03	1.82	1.13 - 2.51
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.41	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.94	1.89	1.55 - 2.23
NRBC# (10 ³ /μL)	0.13	0.07 - 0.19	0.43	0.31 - 0.55	1.04	0.83 - 1.25
NEUT%	38.4	33.0 - 43.8	43.2	38.4 - 48.0	45.9	41.3 - 50.5
LYMPH%	35.0	26.3 - 43.8	28.1	21.9 - 34.3	25.4	19.1 - 31.8
MONO%	12.8	5.9 - 19.7	13.5	7.0 - 20.0	12.8	7.2 - 18.4
EO%	9.1	5.7 - 12.5	10.4	6.7 - 14.1	11.2	7.1 - 15.3
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.9	8.0 - 11.8	10.9	9.0 - 12.8	11.6	9.7 - 13.5
NRBC% (/100 WBC)	4.5	2.4 - 6.6	5.9	4.2 - 7.6	6.4	5.2 - 7.6
RET%	5.32	4.31 - 6.33	2.32	1.83 - 2.81	0.91	0.57 - 1.25
RET# (10 ⁶ /μL)	0.1245	0.0971 - 0.1519	0.1007	0.0816 - 0.1198	0.0474	0.0332 - 0.0616
IRF (%)	33.6	1.3 - 65.9	38.4	3.8 - 73.0	29.3	4.1 - 54.5
RET-He (pg)	25.3	21.8 - 28.8	26.1	22.7 - 29.5	27.6	23.5 - 31.7



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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:	00631101		00631102		00631103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.34	2.22 - 2.46	4.38	4.20 - 4.56	5.29	5.08 - 5.50
HGB (g/dL)	5.9	5.6 - 6.2	12.0	11.5 - 12.5	15.6	15.0 - 16.2
HCT (%)	17.5	16.3 - 18.7	34.9	32.8 - 37.0	44.6	41.9 - 47.3
MCV (fL)	74.8	70.3 - 79.3	79.7	74.9 - 84.5	84.3	79.2 - 89.4
MCH (pg)	25.2	23.2 - 27.2	27.4	25.5 - 29.3	29.5	27.7 - 31.3
MCHC (g/dL)	33.7	30.3 - 37.1	34.4	31.3 - 37.5	35.0	32.2 - 37.8
RDW-SD (fL)	47.7	44.8 - 50.6	49.2	46.2 - 52.2	47.4	43.6 - 51.2
RDW-CV (%)	17.9	16.8 - 19.0	17.4	16.4 - 18.4	15.8	14.5 - 17.1
PLT (10 ³ /μL)	94	58 - 130	248	221 - 275	571	520 - 622
MPV (fL)	8.7	7.3 - 10.1	9.6	8.9 - 10.3	9.4	8.9 - 9.9
WBC (10 ³ /μL)	3.14	2.83 - 3.45	7.73	7.19 - 8.27	17.46	16.41 - 18.51
NEUT# (10 ³ /μL)	1.12	0.92 - 1.32	3.09	2.66 - 3.52	7.39	6.43 - 8.35
LYMPH# (10 ³ /μL)	1.16	0.85 - 1.47	2.32	1.76 - 2.88	4.71	3.49 - 5.93
MONO# (10 ³ /μL)	0.33	0.15 - 0.51	0.80	0.40 - 1.20	1.75	0.96 - 2.54
EO# (10 ³ /μL)	0.28	0.17 - 0.39	0.75	0.47 - 1.03	1.76	1.09 - 2.43
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.42	0.35 - 0.49	1.02	0.89 - 1.15
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.80	0.65 - 0.95	1.91	1.57 - 2.25
NEUT%	36.8	31.6 - 42.0	41.9	37.3 - 46.5	44.4	40.0 - 48.8
LYMPH%	38.3	28.7 - 47.9	31.4	24.5 - 38.3	28.3	21.2 - 35.4
MONO%	10.8	5.0 - 16.6	10.8	5.6 - 16.0	10.5	5.9 - 15.1
EO%	9.1	5.7 - 12.5	10.1	6.5 - 13.7	10.6	6.7 - 14.5
BASO%	5.0	4.1 - 6.0	5.7	5.0 - 6.4	6.1	5.4 - 6.8
IG (%)	9.6	7.8 - 11.4	10.9	9.0 - 12.8	11.5	9.7 - 13.3
RET%	6.04	4.89 - 7.19	2.54	2.01 - 3.07	0.87	0.55 - 1.19
RET# (10 ⁶ /μL)	0.1413	0.1102 - 0.1724	0.1113	0.0902 - 0.1324	0.0460	0.0322 - 0.0598
IRF (%)	25.6	1.0 - 50.2	30.2	3.0 - 57.4	25.1	3.5 - 46.7
RET-He (pg)	23.0	19.8 - 26.2	23.7	20.6 - 26.8	24.9	21.2 - 28.6



XN CHECK™

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:	00631101		00631102		00631103	
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	4.38	4.20 - 4.56	5.28	5.07 - 5.49
HGB (g/dL)	5.78	5.49 - 6.07	11.93	11.45 - 12.41	15.55	14.93 - 16.17
HCT (%)	17.0	15.8 - 18.2	33.8	31.8 - 35.8	43.2	40.6 - 45.8
MCV (fL)	72.3	68.0 - 76.6	77.2	72.6 - 81.8	81.8	76.9 - 86.7
MCH (pg)	24.6	22.6 - 26.6	27.2	25.3 - 29.1	29.5	27.7 - 31.3
MCHC (g/dL)	34.0	30.6 - 37.4	35.3	32.1 - 38.5	36.0	33.1 - 38.9
RDW-SD (fL)	45.9	43.1 - 48.7	47.9	45.0 - 50.8	46.8	43.1 - 50.5
RDW-CV (%)	18.0	16.9 - 19.1	17.6	16.5 - 18.7	16.3	15.0 - 17.6
PLT (10 ³ /μL)	93	58 - 128	246	219 - 273	566	515 - 617
PLT-F (10 ³ /μL)	81	59 - 103	245	179 - 311	527	406 - 648
IPF (%)	19.1	16.6 - 21.6	20.3	16.2 - 24.4	19.8	15.6 - 24.0
IPF#	15.5	13.5 - 17.5	47.4	37.9 - 56.9	101.8	80.4 - 123.2
MPV (fL)	9.8	8.2 - 11.4	10.8	10.0 - 11.6	10.6	10.1 - 11.1
WBC (10 ³ /μL)	2.87	2.58 - 3.16	6.99	6.50 - 7.48	15.84	14.89 - 16.79
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	3.11	2.67 - 3.55	7.51	6.53 - 8.49
LYMPH# (10 ³ /μL)	1.05	0.77 - 1.33	2.05	1.56 - 2.54	4.12	3.05 - 5.19
MONO# (10 ³ /μL)	0.38	0.17 - 0.59	0.97	0.49 - 1.46	2.14	1.18 - 3.10
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.77	0.49 - 1.05	1.80	1.12 - 2.48
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.41	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.78	0.63 - 0.93	1.89	1.55 - 2.23
NRBC# (10 ³ /μL)	0.13	0.07 - 0.19	0.42	0.31 - 0.53	1.06	0.85 - 1.27
NEUT%	38.0	32.7 - 43.3	42.9	38.2 - 47.6	46.0	41.4 - 50.6
LYMPH%	35.3	26.5 - 44.1	28.3	22.1 - 34.5	25.2	18.9 - 31.5
MONO%	12.9	5.9 - 19.9	13.4	7.0 - 19.8	13.1	7.3 - 18.9
EO%	9.0	5.7 - 12.3	10.7	6.8 - 14.6	11.0	6.9 - 15.1
BASO%	4.7	3.8 - 5.6	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.7	7.9 - 11.5	10.8	9.0 - 12.6	11.6	9.7 - 13.5
NRBC% (/100 WBC)	4.4	2.4 - 6.4	5.8	4.2 - 7.4	6.5	5.3 - 7.7
RET%	4.68	3.79 - 5.57	2.06	1.63 - 2.49	0.85	0.54 - 1.16
RET# (10 ⁶ /μL)	0.1100	0.0858 - 0.1342	0.0902	0.0731 - 0.1073	0.0449	0.0314 - 0.0584
IRF (%)	39.9	1.6 - 78.2	41.8	4.2 - 79.4	29.8	4.2 - 55.4
RET-He (pg)	24.5	21.1 - 27.9	25.3	22.0 - 28.6	27.5	23.4 - 31.6