



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:	01191101		01191102		01191103	
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 - 2.41	4.31	4.14 - 4.48	5.24	5.03 - 5.45
HGB (g/dL)	5.7	5.4 - 6.0	11.5	11.0 - 11.9	15.4	14.8 - 16.0
HCT (%)	16.9	15.7 - 18.1	33.7	31.7 - 35.8	44.1	41.5 - 46.8
MCV (fL)	73.7	69.3 - 78.2	78.3	73.6 - 83.0	84.3	79.3 - 89.4
MCH (pg)	24.8	22.8 - 26.8	26.6	24.7 - 28.5	29.4	27.6 - 31.1
MCHC (g/dL)	33.6	30.3 - 37.0	33.9	30.9 - 37.0	34.8	32.0 - 37.6
RDW-SD (fL)	48.8	45.8 - 51.7	49.6	46.7 - 52.6	47.7	43.9 - 51.5
RDW-CV (%)	18.5	17.4 - 19.6	17.8	16.7 - 18.9	15.8	14.5 - 17.1
PLT (10 ³ /μL)	93	57 - 128	249	222 - 277	567	516 - 618
PLT-F (10 ³ /μL)	83	60 - 105	256	187 - 325	537	414 - 661
IPF (%)	19.2	16.7 - 21.7	20.2	16.2 - 24.3	20.4	16.1 - 24.7
IPF#	15.9	13.8 - 17.9	49.2	39.4 - 59.1	106.9	84.5 - 129.4
MPV (fL)	9.0	7.5 - 10.4	9.1	8.5 - 9.7	8.9	8.5 - 9.4
WBC (10 ³ /μL)	2.85	2.57 - 3.14	6.71	6.24 - 7.18	15.88	14.93 - 16.84
NEUT# (10 ³ /μL)	1.06	0.87 - 1.25	3.03	2.61 - 3.46	7.72	6.72 - 8.73
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.32	2.01	1.53 - 2.50	4.10	3.04 - 5.17
MONO# (10 ³ /μL)	0.41	0.18 - 0.65	0.83	0.42 - 1.25	1.94	1.07 - 2.82
EO# (10 ³ /μL)	0.26	0.16 - 0.36	0.72	0.45 - 0.99	1.73	1.07 - 2.39
BASO# (10 ³ /μL)	0.14	0.10 - 0.17	0.33	0.28 - 0.39	0.78	0.68 - 0.89
IG # (10 ³ /μL)	0.28	0.22 - 0.33	0.77	0.63 - 0.92	1.94	1.59 - 2.29
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.42	0.31 - 0.53	1.01	0.81 - 1.21
NEUT%	36.4	31.3 - 41.5	43.8	39.0 - 48.6	47.4	42.7 - 52.2
LYMPH%	35.7	26.7 - 44.6	29.1	22.7 - 35.4	25.2	18.9 - 31.5
MONO%	14.2	6.6 - 21.9	12.0	6.2 - 17.7	11.9	6.7 - 17.2
EO%	8.9	5.6 - 12.2	10.4	6.7 - 14.1	10.6	6.7 - 14.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.5	7.7 - 11.3	11.2	9.3 - 13.1	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.3	4.5 - 8.0	6.4	5.1 - 7.6
RET%	6.25	5.06 - 7.44	2.12	1.68 - 2.57	0.93	0.59 - 1.27
RET# (10 ⁶ /μL)	0.1432	0.1117 - 0.1747	0.0914	0.0740 - 0.1088	0.0486	0.0341 - 0.0632
IRF (%)	35.0	1.4 - 68.6	38.5	3.9 - 73.2	29.4	4.1 - 54.8
RET-He (pg)	25.3	21.8 - 28.8	26.1	22.7 - 29.5	27.8	23.7 - 32.0



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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:	01191101		01191102		01191103	
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 - 2.41	4.33	4.16 - 4.51	5.28	5.07 - 5.49
HGB (g/dL)	5.7	5.5 - 6.0	11.6	11.1 - 12.1	15.5	14.9 - 16.1
HCT (%)	16.9	15.7 - 18.0	33.7	31.7 - 35.7	44.1	41.5 - 46.8
MCV (fL)	73.6	69.2 - 78.0	77.7	73.1 - 82.4	83.6	78.6 - 88.6
MCH (pg)	25.0	23.0 - 27.1	26.8	24.9 - 28.6	29.4	27.6 - 31.2
MCHC (g/dL)	34.0	30.6 - 37.4	34.4	31.3 - 37.5	35.2	32.3 - 38.0
RDW-SD (fL)	49.1	46.2 - 52.0	49.1	46.2 - 52.1	46.6	42.9 - 50.3
RDW-CV (%)	18.7	17.6 - 19.8	17.8	16.7 - 18.8	15.6	14.3 - 16.8
PLT (10 ³ /μL)	94	58 - 130	252	225 - 280	565	514 - 616
MPV (fL)	8.8	7.4 - 10.2	9.0	8.3 - 9.6	8.8	8.3 - 9.2
WBC (10 ³ /μL)	3.10	2.79 - 3.41	7.46	6.94 - 7.98	17.62	16.56 - 18.67
NEUT# (10 ³ /μL)	1.07	0.88 - 1.27	2.99	2.57 - 3.41	7.57	6.59 - 8.56
LYMPH# (10 ³ /μL)	1.16	0.85 - 1.48	2.24	1.70 - 2.78	4.64	3.43 - 5.85
MONO# (10 ³ /μL)	0.34	0.15 - 0.52	0.73	0.36 - 1.09	1.73	0.95 - 2.50
EO# (10 ³ /μL)	0.26	0.16 - 0.36	0.74	0.46 - 1.01	1.79	1.11 - 2.46
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.41	0.34 - 0.47	1.04	0.90 - 1.17
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.78	0.63 - 0.92	1.98	1.62 - 2.33
NEUT%	36.0	31.0 - 41.0	42.1	37.5 - 46.7	45.2	40.7 - 49.7
LYMPH%	39.0	29.3 - 48.8	31.5	24.6 - 38.5	27.7	20.8 - 34.6
MONO%	11.3	5.2 - 17.3	10.2	5.3 - 15.2	10.3	5.8 - 14.8
EO%	8.8	5.6 - 12.1	10.4	6.6 - 14.1	10.7	6.7 - 14.6
BASO%	4.9	3.9 - 5.8	5.8	5.0 - 6.5	6.2	5.4 - 6.9
IG (%)	9.4	7.6 - 11.2	10.9	9.1 - 12.8	11.8	9.9 - 13.7
RET%	6.98	5.65 - 8.30	2.35	1.85 - 2.84	0.88	0.56 - 1.21
RET# (10 ⁶ /μL)	0.1598	0.1247 - 0.1950	0.1017	0.0824 - 0.1210	0.0466	0.0326 - 0.0605
IRF (%)	29.0	1.2 - 56.9	31.9	3.2 - 60.6	25.8	3.6 - 48.0
RET-He (pg)	22.9	19.7 - 26.1	23.6	20.6 - 26.7	25.2	21.4 - 28.9



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:	01191101		01191102		01191103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.34	2.22 - 2.45	4.37	4.19 - 4.54	5.33	5.12 - 5.55
HGB (g/dL)	5.71	5.42 - 5.99	11.60	11.14 - 12.06	15.62	15.00 - 16.25
HCT (%)	16.7	15.5 - 17.9	32.8	30.8 - 34.8	43.3	40.7 - 45.9
MCV (fL)	71.5	67.2 - 75.8	75.2	70.7 - 79.7	81.2	76.3 - 86.0
MCH (pg)	24.4	22.5 - 26.4	26.6	24.7 - 28.4	29.3	27.5 - 31.0
MCHC (g/dL)	34.1	30.7 - 37.6	35.3	32.2 - 38.5	36.1	33.2 - 39.0
RDW-SD (fL)	47.3	44.5 - 50.2	47.5	44.7 - 50.4	46.3	42.6 - 50.0
RDW-CV (%)	18.6	17.5 - 19.7	18.0	16.9 - 19.1	16.3	15.0 - 17.6
PLT (10 ³ /μL)	95	59 - 131	254	226 - 282	572	521 - 624
PLT-F (10 ³ /μL)	83	61 - 105	253	185 - 322	538	414 - 662
IPF (%)	19.3	16.8 - 21.8	20.3	16.3 - 24.4	19.8	15.7 - 24.0
IPF#	16.0	14.0 - 18.1	49.1	39.2 - 58.9	104.2	82.3 - 126.0
MPV (fL)	9.9	8.3 - 11.5	10.1	9.4 - 10.8	9.9	9.4 - 10.4
WBC (10 ³ /μL)	2.87	2.58 - 3.15	6.73	6.26 - 7.20	15.96	15.00 - 16.91
NEUT# (10 ³ /μL)	1.09	0.89 - 1.28	3.04	2.62 - 3.47	7.68	6.68 - 8.67
LYMPH# (10 ³ /μL)	1.06	0.78 - 1.35	1.96	1.49 - 2.43	4.06	3.01 - 5.12
MONO# (10 ³ /μL)	0.40	0.18 - 0.62	0.89	0.45 - 1.34	2.06	1.13 - 2.99
EO# (10 ³ /μL)	0.27	0.17 - 0.37	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	0.79	0.69 - 0.89
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.77	0.62 - 0.92	1.93	1.58 - 2.28
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.01	0.81 - 1.21
NEUT%	36.7	31.5 - 41.8	43.7	38.9 - 48.5	46.7	42.0 - 51.4
LYMPH%	35.9	26.9 - 44.9	28.2	22.0 - 34.4	24.7	18.5 - 30.9
MONO%	13.5	6.2 - 20.8	12.8	6.7 - 18.9	12.5	7.0 - 18.1
EO%	9.1	5.8 - 12.5	10.5	6.7 - 14.2	11.2	7.1 - 15.3
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	9.4	7.6 - 11.2	11.0	9.2 - 12.9	11.7	9.9 - 13.6
NRBC% (/100 WBC)	5.0	2.7 - 7.3	6.1	4.4 - 7.9	6.3	5.1 - 7.5
RET%	5.21	4.22 - 6.20	1.85	1.46 - 2.23	0.86	0.54 - 1.17
RET# (10 ⁶ /μL)	0.1218	0.0950 - 0.1486	0.0805	0.0652 - 0.0958	0.0457	0.0320 - 0.0594
IRF (%)	41.1	1.6 - 80.6	43.0	4.3 - 81.8	29.3	4.1 - 54.5
RET-He (pg)	24.3	20.9 - 27.7	25.2	21.9 - 28.5	27.5	23.4 - 31.6