



XN CHECK™

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

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12041101		12041102		12041103	
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	4.27	4.10 - 4.44	5.04	4.83 - 5.24
HGB (g/dL)	5.3	5.0 - 5.6	12.1	11.6 - 12.6	15.1	14.5 - 15.7
HCT (%)	16.1	14.9 - 17.2	35.2	33.1 - 37.3	43.0	40.5 - 45.6
MCV (fL)	69.2	65.1 - 73.4	82.4	77.4 - 87.3	85.5	80.4 - 90.6
MCH (pg)	22.8	21.0 - 24.6	28.3	26.3 - 30.3	30.0	28.2 - 31.8
MCHC (g/dL)	32.9	29.7 - 36.2	34.3	31.3 - 37.4	35.1	32.3 - 37.9
RDW-SD (fL)	46.7	43.9 - 49.6	47.7	44.8 - 50.6	48.4	44.5 - 52.2
RDW-CV (%)	19.1	17.9 - 20.2	16.3	15.3 - 17.3	15.9	14.6 - 17.2
PLT (10 ³ /μL)	93	58 - 128	245	218 - 272	570	518 - 621
PLT-F (10 ³ /μL)	85	62 - 107	252	184 - 320	534	411 - 657
IPF (%)	19.1	16.6 - 21.5	19.8	15.8 - 23.7	19.3	15.2 - 23.3
IPF#	15.2	13.2 - 17.2	47.3	37.9 - 56.8	100.5	79.4 - 121.6
MPV (fL)	8.5	7.1 - 9.8	9.4	8.8 - 10.1	9.3	8.8 - 9.8
WBC (10 ³ /μL)	2.98	2.68 - 3.28	7.00	6.51 - 7.49	16.31	15.33 - 17.29
NEUT# (10 ³ /μL)	1.14	0.94 - 1.35	3.05	2.62 - 3.48	7.79	6.77 - 8.80
LYMPH# (10 ³ /μL)	1.05	0.77 - 1.34	2.01	1.53 - 2.49	3.94	2.92 - 4.97
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.87	0.44 - 1.31	1.97	1.08 - 2.85
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.73	0.46 - 1.00	1.82	1.13 - 2.51
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.79	0.69 - 0.90
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.77	0.63 - 0.92	1.95	1.60 - 2.30
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.41	0.30 - 0.52	1.09	0.87 - 1.30
NEUT%	38.4	33.0 - 43.8	43.6	38.8 - 48.4	47.7	43.0 - 52.5
LYMPH%	35.3	26.5 - 44.2	28.7	22.4 - 35.0	24.2	18.1 - 30.2
MONO%	11.9	5.5 - 18.4	12.5	6.5 - 18.4	12.1	6.8 - 17.4
EO%	9.5	6.0 - 13.1	10.4	6.7 - 14.2	11.2	7.0 - 15.3
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.9	4.3 - 5.4
IG (%)	9.8	7.9 - 11.6	11.1	9.2 - 12.9	12.0	10.0 - 13.9
NRBC% (/100 WBC)	5.0	2.7 - 7.4	5.9	4.2 - 7.5	6.8	5.5 - 8.1
RET%	5.71	4.63 - 6.80	2.62	2.07 - 3.17	1.43	0.90 - 1.95
RET# (10 ⁶ /μL)	0.1326	0.1034 - 0.1617	0.1120	0.0908 - 0.1333	0.0717	0.0502 - 0.0933
IRF (%)	41.4	1.7 - 81.1	47.3	4.7 - 89.9	40.7	5.7 - 75.7
RET-He (pg)	24.7	21.2 - 28.2	25.9	22.5 - 29.3	26.5	22.6 - 30.5



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12041101		12041102		12041103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.33	2.21 - 2.44	4.30	4.13 - 4.47	5.09	4.89 - 5.29
HGB (g/dL)	5.4	5.1 - 5.6	12.2	11.7 - 12.7	15.2	14.6 - 15.8
HCT (%)	16.1	14.9 - 17.2	35.2	33.1 - 37.4	43.1	40.6 - 45.7
MCV (fL)	69.1	64.9 - 73.2	81.9	77.0 - 86.8	84.8	79.7 - 89.9
MCH (pg)	23.0	21.2 - 24.8	28.3	26.3 - 30.3	29.8	28.0 - 31.6
MCHC (g/dL)	33.3	30.0 - 36.6	34.6	31.4 - 37.7	35.2	32.4 - 38.0
RDW-SD (fL)	47.1	44.3 - 49.9	47.2	44.3 - 50.0	47.0	43.2 - 50.8
RDW-CV (%)	19.1	18.0 - 20.3	16.1	15.1 - 17.0	15.5	14.3 - 16.7
PLT (10 ³ /μL)	94	58 - 129	249	222 - 276	578	526 - 631
MPV (fL)	8.4	7.1 - 9.7	9.2	8.6 - 9.9	9.1	8.6 - 9.6
WBC (10 ³ /μL)	3.25	2.92 - 3.57	7.80	7.25 - 8.35	18.03	16.95 - 19.11
NEUT# (10 ³ /μL)	1.16	0.96 - 1.37	3.12	2.69 - 3.56	7.82	6.80 - 8.83
LYMPH# (10 ³ /μL)	1.19	0.87 - 1.52	2.33	1.77 - 2.88	4.51	3.34 - 5.68
MONO# (10 ³ /μL)	0.31	0.14 - 0.49	0.79	0.40 - 1.19	1.83	1.01 - 2.66
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.78	0.49 - 1.07	1.88	1.17 - 2.59
BASO# (10 ³ /μL)	0.16	0.12 - 0.19	0.43	0.36 - 0.49	1.06	0.92 - 1.20
IG # (10 ³ /μL)	0.30	0.24 - 0.37	0.81	0.66 - 0.97	2.03	1.66 - 2.39
NEUT%	37.4	32.2 - 42.6	41.9	37.3 - 46.6	45.7	41.1 - 50.3
LYMPH%	38.3	28.7 - 47.9	31.2	24.4 - 38.1	26.4	19.8 - 33.0
MONO%	10.1	4.6 - 15.5	10.7	5.5 - 15.8	10.7	6.0 - 15.4
EO%	9.2	5.8 - 12.6	10.5	6.7 - 14.2	11.0	6.9 - 15.1
BASO%	5.0	4.1 - 6.0	5.7	5.0 - 6.5	6.2	5.5 - 7.0
IG (%)	9.7	7.9 - 11.6	10.9	9.1 - 12.8	11.9	10.0 - 13.8
RET%	6.85	5.55 - 8.15	2.88	2.27 - 3.48	1.47	0.92 - 2.01
RET# (10 ⁶ /μL)	0.1593	0.1243 - 0.1944	0.1238	0.1003 - 0.1474	0.0747	0.0523 - 0.0971
IRF (%)	33.8	1.4 - 66.2	39.2	3.9 - 74.5	36.2	5.1 - 67.3
RET-He (pg)	22.3	19.1 - 25.4	23.1	20.1 - 26.1	23.7	20.1 - 27.2



XN CHECK™

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

Expiration Date:	2021-10-10		Quality Control Data Due Date #1: 30-Aug-21		Quality Control Data Due Date #2: 10-Oct-21	
Lot Number:	12041101		12041102		12041103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.37	2.25 - 2.49	4.34	4.17 - 4.52	5.11	4.91 - 5.32
HGB (g/dL)	5.36	5.09 - 5.62	12.24	11.75 - 12.73	15.21	14.60 - 15.82
HCT (%)	15.8	14.7 - 16.9	34.2	32.2 - 36.3	41.8	39.3 - 44.3
MCV (fL)	66.6	62.6 - 70.6	78.8	74.1 - 83.5	81.9	76.9 - 86.8
MCH (pg)	22.6	20.8 - 24.4	28.2	26.2 - 30.1	29.8	28.0 - 31.5
MCHC (g/dL)	33.9	30.5 - 37.3	35.8	32.5 - 39.0	36.4	33.4 - 39.3
RDW-SD (fL)	45.0	42.3 - 47.7	46.0	43.3 - 48.8	46.2	42.5 - 49.9
RDW-CV (%)	19.2	18.0 - 20.3	16.5	15.5 - 17.5	16.1	14.8 - 17.3
PLT (10 ³ /μL)	95	59 - 131	249	221 - 276	573	522 - 625
PLT-F (10 ³ /μL)	84	61 - 107	252	184 - 321	551	424 - 678
IPF (%)	19.0	16.6 - 21.5	19.9	15.9 - 23.9	20.1	15.9 - 24.3
IPF#	16.0	14.0 - 18.1	47.8	38.3 - 57.4	108.0	85.3 - 130.6
MPV (fL)	9.4	7.9 - 10.9	10.5	9.7 - 11.2	10.3	9.8 - 10.8
WBC (10 ³ /μL)	3.00	2.70 - 3.30	7.00	6.51 - 7.50	16.22	15.24 - 17.19
NEUT# (10 ³ /μL)	1.15	0.95 - 1.36	3.04	2.61 - 3.46	7.71	6.71 - 8.72
LYMPH# (10 ³ /μL)	1.07	0.78 - 1.35	1.99	1.51 - 2.47	3.84	2.84 - 4.83
MONO# (10 ³ /μL)	0.35	0.15 - 0.55	0.90	0.45 - 1.34	2.07	1.14 - 3.00
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.74	0.47 - 1.02	1.82	1.13 - 2.51
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.30	0.23 - 0.36	0.77	0.63 - 0.92	1.94	1.59 - 2.28
NRBC# (10 ³ /μL)	0.15	0.09 - 0.22	0.41	0.30 - 0.53	1.11	0.89 - 1.33
NEUT%	38.5	33.1 - 43.9	43.4	38.6 - 48.2	47.6	42.8 - 52.3
LYMPH%	35.6	26.7 - 44.5	28.4	22.2 - 34.6	23.7	17.7 - 29.6
MONO%	11.7	5.4 - 18.0	12.8	6.7 - 18.9	12.8	7.1 - 18.4
EO%	9.5	6.0 - 13.0	10.6	6.8 - 14.4	11.2	7.1 - 15.4
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	11.1	9.2 - 12.9	11.9	10.0 - 13.9
NRBC% (/100 WBC)	5.2	2.8 - 7.5	5.9	4.3 - 7.6	6.8	5.5 - 8.1
RET%	5.03	4.08 - 5.99	2.18	1.72 - 2.63	1.25	0.79 - 1.71
RET# (10 ⁶ /μL)	0.1192	0.0930 - 0.1454	0.0945	0.0766 - 0.1125	0.0638	0.0446 - 0.0829
IRF (%)	46.8	1.9 - 91.8	51.3	5.1 - 97.5	41.9	5.9 - 77.9
RET-He (pg)	24.4	20.9 - 27.8	25.6	22.3 - 29.0	26.7	22.7 - 30.7