



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:	12001101		12001102		12001103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.31	2.20 - 2.43	4.16	4.00 - 4.33	4.91	4.71 - 5.10
HGB (g/dL)	5.5	5.3 - 5.8	11.6	11.2 - 12.1	15.4	14.8 - 16.0
HCT (%)	16.4	15.2 - 17.5	33.6	31.6 - 35.6	43.5	40.8 - 46.1
MCV (fL)	70.9	66.6 - 75.1	80.8	76.0 - 85.7	88.6	83.3 - 93.9
MCH (pg)	23.9	22.0 - 25.8	27.9	26.0 - 29.9	31.4	29.5 - 33.3
MCHC (g/dL)	33.8	30.4 - 37.1	34.6	31.4 - 37.7	35.5	32.6 - 38.3
RDW-SD (fL)	48.6	45.7 - 51.5	47.2	44.4 - 50.0	49.2	45.2 - 53.1
RDW-CV (%)	19.1	18.0 - 20.3	16.4	15.4 - 17.3	15.5	14.2 - 16.7
PLT (10 ³ /μL)	89	55 - 123	244	217 - 271	558	508 - 609
PLT-F (10 ³ /μL)	84	61 - 107	248	181 - 315	527	406 - 649
IPF (%)	19.1	16.7 - 21.6	19.7	15.7 - 23.6	19.8	15.6 - 23.9
IPF#	15.2	13.2 - 17.1	46.4	37.1 - 55.7	101.7	80.3 - 123.1
MPV (fL)	8.4	7.1 - 9.8	9.7	9.0 - 10.4	9.5	9.0 - 10.0
WBC (10 ³ /μL)	3.00	2.70 - 3.30	6.77	6.29 - 7.24	16.17	15.20 - 17.14
NEUT# (10 ³ /μL)	1.16	0.95 - 1.37	2.86	2.46 - 3.27	7.92	6.89 - 8.95
LYMPH# (10 ³ /μL)	1.05	0.77 - 1.34	2.11	1.61 - 2.62	3.82	2.83 - 4.81
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.80	0.40 - 1.20	1.93	1.06 - 2.80
EO# (10 ³ /μL)	0.28	0.17 - 0.39	0.66	0.42 - 0.91	1.71	1.06 - 2.36
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.78	0.68 - 0.89
IG # (10 ³ /μL)	0.30	0.23 - 0.36	0.73	0.59 - 0.87	2.01	1.65 - 2.37
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.43	0.31 - 0.54	1.06	0.85 - 1.27
NEUT%	38.7	33.3 - 44.1	42.3	37.7 - 47.0	49.0	44.1 - 53.9
LYMPH%	35.1	26.4 - 43.9	31.2	24.3 - 38.1	23.6	17.7 - 29.5
MONO%	12.0	5.5 - 18.6	11.9	6.2 - 17.5	12.0	6.7 - 17.2
EO%	9.3	5.9 - 12.7	9.8	6.3 - 13.3	10.6	6.7 - 14.5
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.9	4.3 - 5.4
IG (%)	9.9	8.0 - 11.8	10.8	9.0 - 12.7	12.4	10.4 - 14.4
NRBC% (/100 WBC)	5.3	2.9 - 7.7	6.4	4.6 - 8.1	6.6	5.4 - 7.9
RET%	5.64	4.57 - 6.71	2.24	1.77 - 2.71	1.31	0.83 - 1.80
RET# (10 ⁶ /μL)	0.1303	0.1017 - 0.1590	0.0933	0.0756 - 0.1111	0.0644	0.0450 - 0.0837
IRF (%)	31.1	1.2 - 61.0	35.0	3.5 - 66.4	31.0	4.3 - 57.7
RET-He (pg)	24.1	20.7 - 27.4	25.2	21.9 - 28.4	26.4	22.4 - 30.3



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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:	12001101		12001102		12001103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.31	2.20 - 2.43	4.18	4.02 - 4.35	4.97	4.77 - 5.17
HGB (g/dL)	5.5	5.3 - 5.8	11.6	11.2 - 12.1	15.5	14.8 - 16.1
HCT (%)	16.5	15.3 - 17.6	33.8	31.7 - 35.8	43.9	41.3 - 46.5
MCV (fL)	71.1	66.8 - 75.4	80.7	75.9 - 85.6	88.4	83.1 - 93.7
MCH (pg)	23.9	22.0 - 25.9	27.8	25.9 - 29.8	31.1	29.2 - 33.0
MCHC (g/dL)	33.7	30.3 - 37.0	34.5	31.4 - 37.6	35.2	32.4 - 38.0
RDW-SD (fL)	48.8	45.9 - 51.7	46.3	43.5 - 49.1	47.9	44.1 - 51.8
RDW-CV (%)	19.2	18.1 - 20.4	16.1	15.1 - 17.1	15.1	13.9 - 16.3
PLT (10 ³ /μL)	91	56 - 125	248	221 - 276	562	511 - 612
MPV (fL)	8.3	7.0 - 9.7	9.5	8.8 - 10.2	9.3	8.9 - 9.8
WBC (10 ³ /μL)	3.28	2.95 - 3.60	7.53	7.00 - 8.06	17.99	16.91 - 19.07
NEUT# (10 ³ /μL)	1.18	0.97 - 1.39	2.92	2.51 - 3.33	7.85	6.83 - 8.87
LYMPH# (10 ³ /μL)	1.19	0.87 - 1.51	2.42	1.84 - 3.00	4.44	3.28 - 5.59
MONO# (10 ³ /μL)	0.32	0.14 - 0.50	0.72	0.36 - 1.07	1.78	0.98 - 2.58
EO# (10 ³ /μL)	0.29	0.18 - 0.39	0.71	0.44 - 0.97	1.95	1.21 - 2.69
BASO# (10 ³ /μL)	0.16	0.12 - 0.20	0.39	0.33 - 0.46	1.08	0.94 - 1.22
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.76	0.61 - 0.90	2.05	1.68 - 2.42
NEUT%	37.7	32.4 - 43.0	40.8	36.3 - 45.3	45.9	41.3 - 50.5
LYMPH%	37.9	28.4 - 47.4	33.8	26.4 - 41.3	25.9	19.5 - 32.4
MONO%	10.3	4.7 - 15.8	10.0	5.2 - 14.8	10.4	5.8 - 15.0
EO%	9.1	5.7 - 12.5	9.9	6.3 - 13.4	11.4	7.2 - 15.6
BASO%	5.0	4.1 - 6.0	5.5	4.8 - 6.2	6.3	5.6 - 7.1
IG (%)	9.8	8.0 - 11.7	10.6	8.8 - 12.4	12.0	10.1 - 13.9
RET%	6.55	5.30 - 7.79	2.42	1.91 - 2.93	1.30	0.82 - 1.78
RET# (10 ⁶ /μL)	0.1515	0.1181 - 0.1848	0.1014	0.0821 - 0.1206	0.0645	0.0451 - 0.0838
IRF (%)	26.2	1.0 - 51.4	28.2	2.8 - 53.7	27.0	3.8 - 50.2
RET-He (pg)	22.0	18.9 - 25.0	22.7	19.8 - 25.7	23.5	20.0 - 27.0



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:	12001101		12001102		12001103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.36	2.24 - 2.47	4.24	4.07 - 4.41	5.02	4.82 - 5.22
HGB (g/dL)	5.53	5.26 - 5.81	11.73	11.26 - 12.20	15.63	15.01 - 16.26
HCT (%)	16.2	15.1 - 17.3	32.9	30.9 - 34.8	42.8	40.2 - 45.4
MCV (fL)	68.8	64.7 - 72.9	77.6	72.9 - 82.2	85.3	80.2 - 90.4
MCH (pg)	23.5	21.6 - 25.4	27.7	25.7 - 29.6	31.2	29.3 - 33.0
MCHC (g/dL)	34.1	30.7 - 37.6	35.7	32.5 - 38.9	36.5	33.6 - 39.4
RDW-SD (fL)	45.7	43.0 - 48.4	44.5	41.9 - 47.2	47.5	43.7 - 51.3
RDW-CV (%)	18.9	17.7 - 20.0	16.4	15.4 - 17.4	15.7	14.4 - 16.9
PLT (10 ³ /μL)	94	58 - 130	248	221 - 275	566	515 - 617
PLT-F (10 ³ /μL)	83	61 - 106	249	182 - 317	541	417 - 666
IPF (%)	19.2	16.7 - 21.7	20.1	16.1 - 24.2	20.1	15.9 - 24.4
IPF#	16.0	13.9 - 18.0	47.8	38.3 - 57.4	106.4	84.0 - 128.7
MPV (fL)	9.3	7.8 - 10.8	10.7	10.0 - 11.5	10.5	10.0 - 11.0
WBC (10 ³ /μL)	3.03	2.72 - 3.33	6.81	6.33 - 7.29	16.16	15.19 - 17.13
NEUT# (10 ³ /μL)	1.16	0.95 - 1.37	2.86	2.46 - 3.27	7.73	6.72 - 8.73
LYMPH# (10 ³ /μL)	1.08	0.79 - 1.37	2.09	1.59 - 2.59	3.80	2.81 - 4.79
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.86	0.43 - 1.28	2.00	1.10 - 2.90
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.68	0.43 - 0.93	1.85	1.15 - 2.56
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.27 - 0.38	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.73	0.59 - 0.86	1.95	1.60 - 2.30
NRBC# (10 ³ /μL)	0.16	0.09 - 0.22	0.44	0.32 - 0.56	1.07	0.86 - 1.29
NEUT%	38.4	33.0 - 43.7	42.1	37.4 - 46.7	47.8	43.0 - 52.6
LYMPH%	35.6	26.7 - 44.5	30.6	23.9 - 37.4	23.5	17.6 - 29.4
MONO%	11.8	5.4 - 18.1	12.6	6.5 - 18.6	12.4	6.9 - 17.8
EO%	9.5	6.0 - 13.0	9.9	6.4 - 13.5	11.5	7.2 - 15.7
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	9.9	8.0 - 11.7	10.7	8.9 - 12.5	12.0	10.1 - 14.0
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.5	4.7 - 8.3	6.6	5.4 - 7.9
RET%	5.01	4.06 - 5.97	1.93	1.53 - 2.34	1.17	0.74 - 1.60
RET# (10 ⁶ /μL)	0.1181	0.0921 - 0.1441	0.0819	0.0664 - 0.0975	0.0586	0.0410 - 0.0762
IRF (%)	36.8	1.5 - 72.1	39.3	3.9 - 74.6	33.0	4.6 - 61.4
RET-He (pg)	24.0	20.7 - 27.4	25.2	22.0 - 28.5	26.6	22.6 - 30.5