



XN CHECK™

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

Expiration Date:	2022-09-11		Quality Control Data Due Date #1: 01-Aug-22		Quality Control Data Due Date #2: 11-Sep-22	
Lot Number:	21731101		21731102		21731103	
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	4.30	4.13 - 4.47	4.95	4.75 - 5.14
HGB (g/dL)	5.3	5.1 - 5.6	11.8	11.3 - 12.3	15.5	14.8 - 16.1
HCT (%)	16.2	15.0 - 17.3	34.4	32.3 - 36.5	43.5	40.9 - 46.1
MCV (fL)	69.9	65.7 - 74.1	80.0	75.2 - 84.8	87.9	82.7 - 93.2
MCH (pg)	23.1	21.2 - 24.9	27.5	25.5 - 29.4	31.3	29.4 - 33.2
MCHC (g/dL)	33.0	29.7 - 36.3	34.3	31.2 - 37.4	35.6	32.7 - 38.4
RDW-SD (fL)	52.9	49.7 - 56.0	50.5	47.5 - 53.6	46.1	42.4 - 49.8
RDW-CV (%)	21.2	19.9 - 22.5	17.7	16.7 - 18.8	14.7	13.5 - 15.8
PLT (10 ³ /μL)	89	55 - 123	244	217 - 270	558	508 - 608
PLT-F (10 ³ /μL)	82	60 - 105	253	184 - 321	544	419 - 669
IPF (%)	19.0	16.5 - 21.5	20.1	16.0 - 24.1	20.0	15.8 - 24.2
IPF#	15.6	13.6 - 17.7	48.2	38.6 - 57.9	106.3	84.0 - 128.6
MPV (fL)	8.2	6.9 - 9.5	9.3	8.7 - 10.0	9.1	8.7 - 9.6
WBC (10 ³ /μL)	3.04	2.74 - 3.34	7.32	6.80 - 7.83	17.49	16.44 - 18.54
NEUT# (10 ³ /μL)	1.21	0.99 - 1.42	3.14	2.70 - 3.58	8.25	7.18 - 9.32
LYMPH# (10 ³ /μL)	1.02	0.75 - 1.30	2.15	1.64 - 2.67	4.24	3.14 - 5.34
MONO# (10 ³ /μL)	0.38	0.17 - 0.59	0.91	0.45 - 1.36	2.25	1.24 - 3.26
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.77	0.48 - 1.05	1.91	1.19 - 2.64
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.35	0.30 - 0.41	0.85	0.74 - 0.96
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.80	0.65 - 0.95	2.06	1.69 - 2.43
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.44	0.32 - 0.56	1.11	0.89 - 1.34
NEUT%	39.7	34.1 - 45.2	42.9	38.1 - 47.6	47.2	42.4 - 51.9
LYMPH%	33.7	25.3 - 42.1	29.4	22.9 - 35.9	24.2	18.2 - 30.3
MONO%	12.4	5.7 - 19.1	12.4	6.5 - 18.4	12.9	7.2 - 18.5
EO%	9.5	6.0 - 13.0	10.5	6.7 - 14.2	10.9	6.9 - 15.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.1	8.2 - 12.0	10.9	9.0 - 12.7	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.0	4.3 - 7.7	6.4	5.2 - 7.6
RET%	5.62	4.55 - 6.69	2.48	1.96 - 3.00	1.35	0.85 - 1.85
RET# (10 ⁶ /μL)	0.1301	0.1015 - 0.1587	0.1065	0.0863 - 0.1267	0.0666	0.0466 - 0.0866
IRF (%)	41.6	1.7 - 81.6	43.0	4.3 - 81.7	35.0	4.9 - 65.1
RET-He (pg)	24.4	21.0 - 27.9	25.3	22.0 - 28.6	26.9	22.8 - 30.9



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-09-11		Quality Control Data Due Date #1: 01-Aug-22		Quality Control Data Due Date #2: 11-Sep-22	
Lot Number:	21731101		21731102		21731103	
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	4.31	4.14 - 4.49	5.00	4.80 - 5.20
HGB (g/dL)	5.4	5.1 - 5.6	11.9	11.4 - 12.3	15.5	14.9 - 16.1
HCT (%)	16.0	14.9 - 17.1	34.1	32.1 - 36.2	43.7	41.1 - 46.3
MCV (fL)	69.1	64.9 - 73.2	79.1	74.4 - 83.9	87.3	82.1 - 92.5
MCH (pg)	23.2	21.4 - 25.1	27.5	25.6 - 29.4	31.0	29.1 - 32.8
MCHC (g/dL)	33.6	30.3 - 37.0	34.8	31.6 - 37.9	35.5	32.6 - 38.3
RDW-SD (fL)	53.2	50.0 - 56.4	50.0	47.0 - 53.0	45.6	42.0 - 49.2
RDW-CV (%)	21.4	20.1 - 22.7	17.7	16.6 - 18.7	14.3	13.2 - 15.5
PLT (10 ³ /μL)	92	64 - 119	246	212 - 280	567	505 - 629
MPV (fL)	8.1	7.0 - 9.1	9.1	8.4 - 9.8	9.0	8.3 - 9.6
WBC (10 ³ /μL)	3.31	2.88 - 3.74	8.12	7.31 - 8.94	19.44	17.89 - 21.00
NEUT# (10 ³ /μL)	1.23	1.01 - 1.45	3.21	2.76 - 3.66	8.38	7.29 - 9.47
LYMPH# (10 ³ /μL)	1.16	0.84 - 1.47	2.49	1.89 - 3.09	4.95	3.66 - 6.24
MONO# (10 ³ /μL)	0.34	0.15 - 0.53	0.82	0.41 - 1.23	2.04	1.12 - 2.96
EO# (10 ³ /μL)	0.30	0.19 - 0.42	0.79	0.49 - 1.08	2.04	1.26 - 2.81
BASO# (10 ³ /μL)	0.17	0.10 - 0.23	0.44	0.30 - 0.59	1.12	0.78 - 1.45
IG # (10 ³ /μL)	0.32	0.24 - 0.40	0.84	0.67 - 1.00	2.19	1.77 - 2.60
NEUT%	38.5	33.1 - 43.9	41.4	36.8 - 45.9	45.2	40.7 - 49.7
LYMPH%	36.2	27.2 - 45.3	32.1	25.1 - 39.2	26.7	20.0 - 33.4
MONO%	10.6	4.9 - 16.4	10.6	5.5 - 15.7	11.0	6.2 - 15.9
EO%	9.4	5.9 - 12.9	10.1	6.5 - 13.8	11.0	6.9 - 15.1
BASO%	5.2	3.4 - 7.1	5.7	4.0 - 7.5	6.0	4.3 - 7.8
IG (%)	10.0	7.9 - 12.2	10.8	8.6 - 12.9	11.8	9.8 - 13.8
RET%	6.65	4.92 - 8.38	2.81	2.08 - 3.53	1.40	0.92 - 1.87
RET# (10 ⁶ /μL)	0.1538	0.1123 - 0.1954	0.1210	0.0907 - 0.1512	0.0699	0.0455 - 0.0944
IRF (%)	29.8	1.2 - 58.4	32.0	3.2 - 60.8	29.6	4.1 - 55.0
RET-He (pg)	22.8	19.6 - 26.0	23.5	20.4 - 26.5	24.3	20.7 - 28.0



XN CHECK™

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

Expiration Date:	2022-09-11		Quality Control Data Due Date #1: 01-Aug-22		Quality Control Data Due Date #2: 11-Sep-22	
Lot Number:	21731101		21731102		21731103	
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	2.25 - 2.48	4.35	4.17 - 4.52	5.02	4.82 - 5.22
HGB (g/dL)	5.35	5.08 - 5.62	11.87	11.40 - 12.34	15.54	14.92 - 16.16
HCT (%)	16.0	14.8 - 17.1	33.3	31.3 - 35.3	42.6	40.1 - 45.2
MCV (fL)	67.5	63.5 - 71.6	76.6	72.0 - 81.2	84.9	79.8 - 90.0
MCH (pg)	22.6	20.8 - 24.4	27.3	25.4 - 29.2	31.0	29.1 - 32.8
MCHC (g/dL)	33.5	30.2 - 36.9	35.6	32.4 - 38.8	36.5	33.5 - 39.4
RDW-SD (fL)	51.3	48.2 - 54.3	48.3	45.4 - 51.1	45.3	41.7 - 48.9
RDW-CV (%)	21.5	20.2 - 22.8	17.9	16.8 - 19.0	15.0	13.8 - 16.2
PLT (10 ³ /μL)	96	59 - 132	249	222 - 277	571	520 - 622
PLT-F (10 ³ /μL)	84	62 - 107	257	187 - 326	555	427 - 682
IPF (%)	19.0	16.5 - 21.4	20.1	16.1 - 24.1	20.3	16.0 - 24.5
IPF#	16.0	13.9 - 18.1	49.2	39.3 - 59.0	109.5	86.5 - 132.6
MPV (fL)	9.1	7.6 - 10.5	10.3	9.6 - 11.0	10.1	9.6 - 10.6
WBC (10 ³ /μL)	3.06	2.76 - 3.37	7.32	6.81 - 7.83	17.48	16.43 - 18.53
NEUT# (10 ³ /μL)	1.21	0.99 - 1.43	3.14	2.70 - 3.58	8.20	7.13 - 9.27
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.30	2.15	1.63 - 2.67	4.17	3.09 - 5.26
MONO# (10 ³ /μL)	0.39	0.17 - 0.60	0.91	0.46 - 1.37	2.35	1.29 - 3.40
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.77	0.48 - 1.05	1.92	1.19 - 2.64
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.35	0.30 - 0.41	0.84	0.73 - 0.95
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.79	0.64 - 0.94	2.06	1.69 - 2.43
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.44	0.32 - 0.56	1.11	0.89 - 1.34
NEUT%	39.6	34.0 - 45.1	42.8	38.1 - 47.5	46.9	42.2 - 51.6
LYMPH%	33.5	25.2 - 41.9	29.4	22.9 - 35.8	23.9	17.9 - 29.9
MONO%	12.7	5.8 - 19.5	12.5	6.5 - 18.5	13.4	7.5 - 19.3
EO%	9.4	6.0 - 12.9	10.5	6.7 - 14.3	11.0	6.9 - 15.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.1	8.2 - 12.0	10.8	9.0 - 12.7	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.6	2.5 - 6.7	6.1	4.4 - 7.8	6.4	5.2 - 7.6
RET%	5.16	4.18 - 6.14	2.27	1.80 - 2.75	1.27	0.80 - 1.74
RET# (10 ⁶ /μL)	0.1219	0.0951 - 0.1487	0.0988	0.0800 - 0.1176	0.0637	0.0446 - 0.0828
IRF (%)	43.5	1.7 - 85.2	43.8	4.4 - 83.3	36.2	5.1 - 67.3
RET-He (pg)	24.4	20.9 - 27.8	25.3	22.0 - 28.6	26.9	22.8 - 30.9