



XN CHECK™

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

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20611101		20611102		20611103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.37	2.25 - 2.48	4.21	4.04 - 4.38	4.99	4.79 - 5.19
HGB (g/dL)	5.3	5.1 - 5.6	11.9	11.4 - 12.4	15.4	14.8 - 16.0
HCT (%)	16.0	14.8 - 17.1	34.0	32.0 - 36.0	43.4	40.7 - 46.0
MCV (fL)	67.5	63.4 - 71.5	80.7	75.9 - 85.6	86.8	81.6 - 92.0
MCH (pg)	22.6	20.8 - 24.4	28.2	26.2 - 30.2	30.8	29.0 - 32.7
MCHC (g/dL)	33.4	30.1 - 36.8	35.0	31.8 - 38.1	35.5	32.7 - 38.3
RDW-SD (fL)	48.8	45.9 - 51.8	48.2	45.3 - 51.1	46.5	42.8 - 50.2
RDW-CV (%)	20.6	19.3 - 21.8	16.7	15.7 - 17.7	15.1	13.9 - 16.3
PLT (10 ³ /μL)	97	60 - 134	247	220 - 275	567	516 - 618
PLT-F (10 ³ /μL)	88	64 - 112	260	190 - 331	555	427 - 682
IPF (%)	19.0	16.5 - 21.5	19.6	15.7 - 23.6	19.6	15.5 - 23.7
IPF#	16.7	14.6 - 18.9	48.7	39.0 - 58.5	106.1	83.8 - 128.3
MPV (fL)	8.8	7.4 - 10.2	9.6	8.9 - 10.3	9.5	9.0 - 9.9
WBC (10 ³ /μL)	3.12	2.80 - 3.43	6.97	6.49 - 7.46	16.66	15.66 - 17.66
NEUT# (10 ³ /μL)	1.20	0.98 - 1.41	3.02	2.60 - 3.45	7.88	6.85 - 8.90
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.33	2.05	1.56 - 2.54	4.11	3.04 - 5.18
MONO# (10 ³ /μL)	0.44	0.19 - 0.68	0.85	0.42 - 1.27	2.02	1.11 - 2.92
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.72	0.45 - 0.99	1.85	1.15 - 2.55
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.34	0.28 - 0.39	0.80	0.70 - 0.91
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.77	0.62 - 0.91	1.98	1.63 - 2.34
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.42	0.31 - 0.54	1.09	0.87 - 1.30
NEUT%	38.4	33.0 - 43.8	43.3	38.6 - 48.1	47.3	42.6 - 52.0
LYMPH%	33.5	25.1 - 41.9	29.4	22.9 - 35.8	24.7	18.5 - 30.8
MONO%	14.0	6.4 - 21.6	12.1	6.3 - 17.9	12.1	6.8 - 17.4
EO%	9.3	5.8 - 12.7	10.4	6.6 - 14.1	11.1	7.0 - 15.2
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	9.9	8.0 - 11.8	11.0	9.1 - 12.8	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.8	2.6 - 7.0	6.1	4.4 - 7.8	6.5	5.3 - 7.8
RET%	5.73	4.64 - 6.82	2.44	1.92 - 2.95	1.37	0.87 - 1.88
RET# (10 ⁶ /μL)	0.1356	0.1057 - 0.1654	0.1026	0.0831 - 0.1221	0.0686	0.0480 - 0.0892
IRF (%)	33.6	1.3 - 65.9	33.9	3.4 - 64.5	29.3	4.1 - 54.5
RET-He (pg)	24.3	20.9 - 27.7	25.6	22.2 - 28.9	26.9	22.9 - 31.0



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20611101		20611102		20611103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.37	2.25 - 2.49	4.26	4.09 - 4.43	5.06	4.86 - 5.26
HGB (g/dL)	5.3	5.1 - 5.6	11.9	11.4 - 12.4	15.4	14.7 - 16.0
HCT (%)	16.1	14.9 - 17.2	34.5	32.4 - 36.5	43.9	41.3 - 46.6
MCV (fL)	67.7	63.6 - 71.7	80.9	76.1 - 85.8	86.8	81.6 - 92.0
MCH (pg)	22.5	20.7 - 24.3	27.9	26.0 - 29.9	30.3	28.5 - 32.2
MCHC (g/dL)	33.2	29.9 - 36.5	34.5	31.4 - 37.6	34.9	32.1 - 37.7
RDW-SD (fL)	49.3	46.4 - 52.3	48.2	45.3 - 51.1	46.4	42.7 - 50.1
RDW-CV (%)	20.5	19.3 - 21.7	16.5	15.6 - 17.5	14.8	13.6 - 16.0
PLT (10 ³ /μL)	101	71 - 131	252	216 - 287	574	511 - 637
MPV (fL)	8.7	7.6 - 9.8	9.4	8.7 - 10.2	9.3	8.6 - 9.9
WBC (10 ³ /μL)	3.34	2.90 - 3.77	7.65	6.88 - 8.41	18.32	16.85 - 19.78
NEUT# (10 ³ /μL)	1.22	1.00 - 1.44	3.08	2.65 - 3.51	7.90	6.88 - 8.93
LYMPH# (10 ³ /μL)	1.17	0.85 - 1.48	2.30	1.75 - 2.85	4.70	3.48 - 5.92
MONO# (10 ³ /μL)	0.37	0.16 - 0.57	0.77	0.39 - 1.16	1.84	1.01 - 2.67
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.73	0.46 - 1.00	1.88	1.17 - 2.60
BASO# (10 ³ /μL)	0.17	0.10 - 0.23	0.41	0.28 - 0.55	1.08	0.75 - 1.40
IG # (10 ³ /μL)	0.32	0.24 - 0.40	0.80	0.64 - 0.96	2.06	1.67 - 2.46
NEUT%	38.0	32.6 - 43.3	42.2	37.6 - 46.8	45.4	40.9 - 49.9
LYMPH%	36.4	27.3 - 45.5	31.6	24.6 - 38.5	27.0	20.3 - 33.8
MONO%	11.4	5.3 - 17.6	10.6	5.5 - 15.6	10.6	5.9 - 15.2
EO%	9.0	5.7 - 12.4	10.0	6.4 - 13.6	10.8	6.8 - 14.8
BASO%	5.2	3.4 - 7.0	5.7	4.0 - 7.4	6.2	4.4 - 8.0
IG (%)	9.9	7.8 - 12.0	11.0	8.8 - 13.1	11.9	9.8 - 13.9
RET%	6.84	5.06 - 8.61	2.69	1.99 - 3.39	1.45	0.96 - 1.94
RET# (10 ⁶ /μL)	0.1622	0.1184 - 0.2060	0.1146	0.0860 - 0.1433	0.0733	0.0477 - 0.0990
IRF (%)	28.0	1.1 - 54.9	28.5	2.9 - 54.2	25.9	3.6 - 48.1
RET-He (pg)	23.1	19.9 - 26.3	24.1	20.9 - 27.2	25.0	21.3 - 28.8



XN CHECK™

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

Expiration Date:	2022-05-22		Quality Control Data Due Date #1: 11-Apr-22		Quality Control Data Due Date #2: 22-May-22	
Lot Number:	20611101		20611102		20611103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.41	2.29 - 2.53	4.28	4.10 - 4.45	5.05	4.85 - 5.25
HGB (g/dL)	5.33	5.06 - 5.59	11.92	11.44 - 12.40	15.44	14.83 - 16.06
HCT (%)	16.0	14.9 - 17.1	33.6	31.6 - 35.6	42.5	39.9 - 45.0
MCV (fL)	66.5	62.5 - 70.4	78.6	73.9 - 83.3	84.2	79.1 - 89.2
MCH (pg)	22.1	20.3 - 23.9	27.9	25.9 - 29.8	30.6	28.8 - 32.4
MCHC (g/dL)	33.3	29.9 - 36.6	35.5	32.3 - 38.7	36.3	33.4 - 39.2
RDW-SD (fL)	47.9	45.0 - 50.8	46.7	43.9 - 49.5	45.9	42.2 - 49.6
RDW-CV (%)	20.6	19.3 - 21.8	16.8	15.8 - 17.9	15.4	14.2 - 16.7
PLT (10 ³ /μL)	102	63 - 140	253	225 - 281	575	523 - 627
PLT-F (10 ³ /μL)	88	64 - 112	261	191 - 332	553	426 - 680
IPF (%)	19.1	16.7 - 21.6	20.0	16.0 - 24.0	19.8	15.6 - 24.0
IPF#	16.9	14.7 - 19.1	49.8	39.8 - 59.8	106.8	84.4 - 129.3
MPV (fL)	9.8	8.2 - 11.4	10.7	9.9 - 11.4	10.5	9.9 - 11.0
WBC (10 ³ /μL)	3.10	2.79 - 3.41	6.94	6.45 - 7.43	16.50	15.51 - 17.49
NEUT# (10 ³ /μL)	1.20	0.98 - 1.41	3.00	2.58 - 3.42	7.69	6.69 - 8.69
LYMPH# (10 ³ /μL)	1.02	0.74 - 1.29	2.02	1.53 - 2.50	4.03	2.99 - 5.08
MONO# (10 ³ /μL)	0.45	0.20 - 0.70	0.86	0.43 - 1.29	2.07	1.14 - 3.00
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.73	0.46 - 1.00	1.91	1.19 - 2.64
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.39	0.80	0.70 - 0.90
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.76	0.62 - 0.90	1.94	1.59 - 2.30
NRBC# (10 ³ /μL)	0.15	0.09 - 0.22	0.42	0.31 - 0.54	1.08	0.86 - 1.29
NEUT%	38.6	33.2 - 44.0	43.2	38.4 - 47.9	46.6	41.9 - 51.3
LYMPH%	32.8	24.6 - 41.0	29.1	22.7 - 35.5	24.4	18.3 - 30.6
MONO%	14.4	6.6 - 22.2	12.4	6.4 - 18.3	12.5	7.0 - 18.0
EO%	9.5	6.0 - 13.0	10.5	6.7 - 14.3	11.6	7.3 - 15.9
BASO%	4.7	3.8 - 5.6	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	9.9	8.0 - 11.7	11.0	9.1 - 12.8	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.9	2.7 - 7.2	6.1	4.4 - 7.8	6.5	5.3 - 7.8
RET%	5.24	4.24 - 6.24	2.18	1.73 - 2.64	1.27	0.80 - 1.74
RET# (10 ⁶ /μL)	0.1263	0.0985 - 0.1541	0.0934	0.0756 - 0.1111	0.0642	0.0450 - 0.0835
IRF (%)	36.1	1.4 - 70.7	36.3	3.6 - 69.0	30.5	4.3 - 56.7
RET-He (pg)	24.1	20.8 - 27.5	25.4	22.1 - 28.7	26.8	22.8 - 30.9