



XN CHECK™

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

Expiration Date:	2024-09-08		Quality Control Data Due Date #1: 29-Jul-24		Quality Control Data Due Date #2: 08-Sep-24	
Lot Number:	41691101		41691102		41691103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.39	2.27 - 2.51	4.36	4.19 - 4.54	5.07	4.86 - 5.27
HGB (g/dL)	5.7	5.4 - 5.9	12.1	11.7 - 12.6	16.0	15.4 - 16.6
HCT (%)	16.7	15.5 - 17.9	34.7	32.6 - 36.8	44.7	42.0 - 47.3
MCV (fL)	69.7	65.6 - 73.9	79.5	74.8 - 84.3	88.2	82.9 - 93.4
MCH (pg)	23.7	21.8 - 25.6	27.8	25.9 - 29.8	31.6	29.7 - 33.5
MCHC (g/dL)	34.0	30.6 - 37.4	35.0	31.8 - 38.1	35.8	32.9 - 38.7
RDW-SD (fL)	45.9	43.2 - 48.7	46.9	44.1 - 49.7	47.1	43.4 - 50.9
RDW-CV (%)	18.4	17.3 - 19.5	16.3	15.3 - 17.3	14.7	13.5 - 15.9
PLT (10 ³ /μL)	89	55 - 123	240	201 - 278	546	475 - 617
PLT-F (10 ³ /μL)	81	59 - 103	237	173 - 300	523	402 - 643
IPF (%)	19.1	16.6 - 21.6	20.0	16.0 - 24.0	20.1	15.9 - 24.3
IPF#	15.5	13.5 - 17.5	46.2	37.0 - 55.5	103.5	81.8 - 125.3
MPV (fL)	8.8	7.4 - 10.2	9.5	8.7 - 10.3	9.3	8.6 - 10.1
WBC (10 ³ /μL)	3.03	2.72 - 3.33	6.92	6.44 - 7.40	17.13	16.10 - 18.16
NEUT# (10 ³ /μL)	1.16	0.95 - 1.37	2.97	2.55 - 3.39	8.16	7.10 - 9.22
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.31	2.06	1.56 - 2.55	4.26	3.15 - 5.36
MONO# (10 ³ /μL)	0.40	0.18 - 0.63	0.84	0.42 - 1.26	1.96	1.08 - 2.84
EO# (10 ³ /μL)	0.29	0.18 - 0.39	0.72	0.45 - 0.99	1.93	1.20 - 2.67
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.82	0.71 - 0.93
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.75	0.61 - 0.90	2.06	1.69 - 2.42
NRBC# (10 ³ /μL)	0.15	0.09 - 0.22	0.42	0.31 - 0.54	1.06	0.85 - 1.28
NEUT%	38.5	33.1 - 43.8	42.9	38.2 - 47.6	47.6	42.9 - 52.4
LYMPH%	34.0	25.5 - 42.5	29.7	23.2 - 36.2	24.9	18.6 - 31.1
MONO%	13.3	6.1 - 20.5	12.2	6.3 - 18.0	11.4	6.4 - 16.4
EO%	9.4	6.0 - 12.9	10.4	6.7 - 14.1	11.3	7.1 - 15.5
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	10.9	9.0 - 12.7	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.0	2.7 - 7.3	6.1	4.4 - 7.8	6.2	5.0 - 7.4
RET%	5.96	4.83 - 7.09	2.62	2.07 - 3.17	1.26	0.79 - 1.73
RET# (10 ⁶ /μL)	0.1426	0.1113 - 0.1740	0.1144	0.0927 - 0.1361	0.0639	0.0447 - 0.0830
IRF (%)	42.4	1.7 - 83.1	43.5	4.4 - 82.7	33.9	4.7 - 63.0
RET-He (pg)	23.1	19.9 - 26.4	24.3	21.1 - 27.4	26.6	22.6 - 30.6



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-09-08		Quality Control Data Due Date #1: 29-Jul-24		Quality Control Data Due Date #2: 08-Sep-24	
Lot Number:	41691101		41691102		41691103	
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	4.35	4.18 - 4.53	5.09	4.88 - 5.29
HGB (g/dL)	5.7	5.4 - 5.9	12.1	11.7 - 12.6	16.0	15.3 - 16.6
HCT (%)	16.5	15.4 - 17.7	34.6	32.5 - 36.6	44.8	42.1 - 47.4
MCV (fL)	69.8	65.7 - 74.0	79.4	74.7 - 84.2	88.0	82.7 - 93.3
MCH (pg)	23.9	22.0 - 25.8	27.9	25.9 - 29.8	31.4	29.5 - 33.3
MCHC (g/dL)	34.2	30.8 - 37.6	35.1	32.0 - 38.3	35.7	32.8 - 38.6
RDW-SD (fL)	47.0	44.2 - 49.9	47.1	44.3 - 49.9	47.1	43.3 - 50.8
RDW-CV (%)	18.6	17.4 - 19.7	16.4	15.4 - 17.4	14.7	13.6 - 15.9
PLT (10 ³ /μL)	91	63 - 118	241	207 - 275	548	488 - 608
MPV (fL)	8.8	7.6 - 9.9	9.5	8.7 - 10.2	9.3	8.6 - 9.9
WBC (10 ³ /μL)	3.24	2.82 - 3.66	7.61	6.85 - 8.37	18.87	17.36 - 20.38
NEUT# (10 ³ /μL)	1.17	0.96 - 1.38	3.01	2.59 - 3.43	8.22	7.15 - 9.29
LYMPH# (10 ³ /μL)	1.14	0.83 - 1.44	2.31	1.75 - 2.86	4.76	3.52 - 5.99
MONO# (10 ³ /μL)	0.35	0.16 - 0.55	0.79	0.40 - 1.19	1.91	1.05 - 2.76
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.71	0.45 - 0.98	1.94	1.20 - 2.67
BASO# (10 ³ /μL)	0.16	0.10 - 0.22	0.40	0.27 - 0.53	1.10	0.77 - 1.43
IG # (10 ³ /μL)	0.30	0.23 - 0.38	0.78	0.63 - 0.94	2.14	1.73 - 2.55
NEUT%	37.6	32.3 - 42.9	41.6	37.1 - 46.2	45.9	41.3 - 50.5
LYMPH%	36.7	27.5 - 45.8	31.9	24.9 - 39.0	26.6	19.9 - 33.2
MONO%	11.4	5.2 - 17.5	11.0	5.7 - 16.2	10.6	6.0 - 15.3
EO%	9.3	5.9 - 12.8	9.9	6.3 - 13.4	10.8	6.8 - 14.8
BASO%	5.1	3.3 - 6.8	5.6	3.9 - 7.3	6.1	4.3 - 7.9
IG (%)	9.8	7.7 - 11.9	10.8	8.7 - 13.0	11.9	9.9 - 14.0
RET%	7.26	5.37 - 9.15	3.14	2.32 - 3.95	1.34	0.89 - 1.80
RET# (10 ⁶ /μL)	0.1718	0.1254 - 0.2182	0.1366	0.1024 - 0.1707	0.0684	0.0444 - 0.0923
IRF (%)	37.6	1.5 - 73.7	39.5	3.9 - 75.0	33.4	4.7 - 62.1
RET-He (pg)	21.8	18.7 - 24.8	22.6	19.6 - 25.5	24.0	20.4 - 27.7



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

Expiration Date:	2024-09-08		Quality Control Data Due Date #1: 29-Jul-24		Quality Control Data Due Date #2: 08-Sep-24	
Lot Number:	41691101		41691102		41691103	
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	4.39	4.22 - 4.57	5.13	4.92 - 5.33
HGB (g/dL)	5.65	5.37 - 5.93	12.18	11.69 - 12.66	16.09	15.45 - 16.73
HCT (%)	16.7	15.5 - 17.9	34.2	32.2 - 36.3	44.2	41.6 - 46.9
MCV (fL)	69.3	65.2 - 73.5	77.9	73.2 - 82.6	86.2	81.1 - 91.4
MCH (pg)	23.4	21.6 - 25.3	27.7	25.8 - 29.7	31.4	29.5 - 33.3
MCHC (g/dL)	33.8	30.4 - 37.2	35.6	32.4 - 38.8	36.4	33.5 - 39.3
RDW-SD (fL)	44.9	42.2 - 47.6	46.2	43.5 - 49.0	47.4	43.6 - 51.2
RDW-CV (%)	18.5	17.3 - 19.6	16.9	15.9 - 17.9	15.6	14.3 - 16.8
PLT (10 ³ /μL)	92	57 - 127	243	204 - 282	561	488 - 634
PLT-F (10 ³ /μL)	83	60 - 105	243	177 - 308	533	410 - 656
IPF (%)	19.2	16.7 - 21.7	19.9	15.9 - 23.9	20.0	15.8 - 24.2
IPF#	15.9	13.8 - 17.9	47.1	37.6 - 56.5	105.1	83.0 - 127.2
MPV (fL)	9.9	8.3 - 11.5	10.7	9.8 - 11.5	10.5	9.7 - 11.3
WBC (10 ³ /μL)	3.02	2.72 - 3.32	6.92	6.43 - 7.40	17.13	16.10 - 18.15
NEUT# (10 ³ /μL)	1.16	0.95 - 1.37	2.95	2.54 - 3.37	8.10	7.04 - 9.15
LYMPH# (10 ³ /μL)	1.03	0.76 - 1.31	2.07	1.57 - 2.56	4.33	3.20 - 5.45
MONO# (10 ³ /μL)	0.39	0.17 - 0.61	0.85	0.43 - 1.28	1.92	1.06 - 2.78
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.71	0.45 - 0.98	1.95	1.21 - 2.69
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.39	0.83	0.72 - 0.94
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.75	0.61 - 0.89	2.03	1.66 - 2.39
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.42	0.31 - 0.54	1.08	0.86 - 1.30
NEUT%	38.4	33.1 - 43.8	42.7	38.0 - 47.4	47.3	42.5 - 52.0
LYMPH%	34.3	25.7 - 42.8	29.9	23.3 - 36.4	25.3	18.9 - 31.6
MONO%	13.0	6.0 - 20.0	12.3	6.4 - 18.2	11.2	6.3 - 16.1
EO%	9.5	6.0 - 13.1	10.3	6.6 - 14.0	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.4
IG (%)	10.0	8.1 - 11.8	10.9	9.0 - 12.7	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.9	2.7 - 7.2	6.1	4.4 - 7.9	6.3	5.1 - 7.5
RET%	5.57	4.52 - 6.63	2.47	1.95 - 2.99	1.20	0.76 - 1.65
RET# (10 ⁶ /μL)	0.1344	0.1049 - 0.1640	0.1086	0.0880 - 0.1292	0.0616	0.0431 - 0.0801
IRF (%)	42.8	1.7 - 83.8	44.7	4.5 - 85.0	34.0	4.8 - 63.3
RET-He (pg)	23.2	20.0 - 26.5	24.5	21.3 - 27.6	26.8	22.8 - 30.9