



XN CHECK™

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

Expiration Date:	2024-07-14		Quality Control Data Due Date #1: 03-Jun-24		Quality Control Data Due Date #2: 14-Jul-24	
Lot Number:	41131101		41131102		41131103	
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	4.40	4.23 - 4.58	5.05	4.85 - 5.25
HGB (g/dL)	5.9	5.6 - 6.1	12.6	12.1 - 13.1	15.7	15.0 - 16.3
HCT (%)	17.1	15.9 - 18.3	35.8	33.6 - 37.9	43.7	41.1 - 46.3
MCV (fL)	73.9	69.5 - 78.4	81.3	76.4 - 86.2	86.5	81.3 - 91.7
MCH (pg)	25.3	23.3 - 27.3	28.6	26.6 - 30.6	31.0	29.1 - 32.9
MCHC (g/dL)	34.2	30.8 - 37.7	35.2	32.0 - 38.4	35.8	33.0 - 38.7
RDW-SD (fL)	48.2	45.3 - 51.1	44.1	41.5 - 46.8	47.1	43.4 - 50.9
RDW-CV (%)	18.3	17.2 - 19.4	15.0	14.1 - 15.9	15.0	13.8 - 16.2
PLT (10 ³ /μL)	93	58 - 128	240	202 - 279	544	473 - 615
PLT-F (10 ³ /μL)	86	63 - 110	247	180 - 313	519	400 - 639
IPF (%)	19.2	16.7 - 21.7	20.0	16.0 - 24.0	19.9	15.7 - 24.1
IPF#	16.6	14.4 - 18.8	48.1	38.5 - 57.7	101.8	80.4 - 123.2
MPV (fL)	8.6	7.3 - 10.0	9.3	8.6 - 10.1	9.2	8.5 - 9.9
WBC (10 ³ /μL)	3.03	2.73 - 3.34	6.90	6.41 - 7.38	17.16	16.13 - 18.19
NEUT# (10 ³ /μL)	1.22	1.00 - 1.44	3.06	2.63 - 3.49	8.30	7.22 - 9.37
LYMPH# (10 ³ /μL)	1.01	0.74 - 1.29	1.80	1.37 - 2.23	3.99	2.95 - 5.03
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.97	0.48 - 1.45	2.07	1.14 - 3.00
EO# (10 ³ /μL)	0.29	0.18 - 0.41	0.74	0.47 - 1.01	1.98	1.23 - 2.73
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.38	0.82	0.72 - 0.93
IG # (10 ³ /μL)	0.31	0.25 - 0.38	0.77	0.62 - 0.92	2.08	1.70 - 2.45
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.42	0.31 - 0.54	1.06	0.85 - 1.27
NEUT%	40.3	34.6 - 45.9	44.3	39.5 - 49.2	48.3	43.5 - 53.2
LYMPH%	33.4	25.0 - 41.7	26.1	20.4 - 31.8	23.3	17.4 - 29.1
MONO%	11.9	5.5 - 18.3	14.0	7.3 - 20.8	12.1	6.8 - 17.4
EO%	9.7	6.1 - 13.3	10.7	6.9 - 14.6	11.5	7.3 - 15.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	10.3	8.3 - 12.2	11.2	9.3 - 13.1	12.1	10.2 - 14.0
NRBC% (/100 WBC)	4.8	2.6 - 7.1	6.1	4.4 - 7.8	6.2	5.0 - 7.3
RET%	6.07	4.92 - 7.22	2.46	1.94 - 2.98	1.16	0.73 - 1.59
RET# (10 ⁶ /μL)	0.1404	0.1095 - 0.1712	0.1084	0.0878 - 0.1290	0.0585	0.0409 - 0.0760
IRF (%)	33.7	1.3 - 66.1	35.4	3.5 - 67.2	25.9	3.6 - 48.2
RET-He (pg)	25.3	21.8 - 28.8	26.2	22.8 - 29.6	27.9	23.7 - 32.1



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-07-14		Quality Control Data Due Date #1: 03-Jun-24		Quality Control Data Due Date #2: 14-Jul-24	
Lot Number:	41131101		41131102		41131103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.29	2.17 - 2.40	4.40	4.22 - 4.58	5.06	4.86 - 5.26
HGB (g/dL)	5.8	5.5 - 6.1	12.6	12.1 - 13.1	15.6	15.0 - 16.2
HCT (%)	17.0	15.8 - 18.2	35.7	33.6 - 37.8	43.7	41.1 - 46.3
MCV (fL)	74.2	69.8 - 78.7	81.1	76.3 - 86.0	86.4	81.2 - 91.6
MCH (pg)	25.4	23.4 - 27.4	28.6	26.6 - 30.6	30.9	29.0 - 32.7
MCHC (g/dL)	34.2	30.8 - 37.7	35.2	32.0 - 38.4	35.8	32.9 - 38.6
RDW-SD (fL)	49.5	46.5 - 52.4	44.2	41.5 - 46.8	47.3	43.6 - 51.1
RDW-CV (%)	18.5	17.4 - 19.6	15.2	14.3 - 16.1	15.1	13.9 - 16.3
PLT (10 ³ /μL)	95	66 - 123	243	209 - 277	544	484 - 604
MPV (fL)	8.6	7.5 - 9.7	9.3	8.5 - 10.0	9.1	8.5 - 9.8
WBC (10 ³ /μL)	3.25	2.83 - 3.67	7.53	6.77 - 8.28	18.80	17.29 - 20.30
NEUT# (10 ³ /μL)	1.21	0.99 - 1.43	3.06	2.63 - 3.49	8.33	7.24 - 9.41
LYMPH# (10 ³ /μL)	1.09	0.80 - 1.39	2.05	1.55 - 2.54	4.44	3.29 - 5.60
MONO# (10 ³ /μL)	0.34	0.15 - 0.53	0.88	0.44 - 1.32	2.01	1.10 - 2.91
EO# (10 ³ /μL)	0.30	0.19 - 0.42	0.75	0.47 - 1.02	1.97	1.22 - 2.71
BASO# (10 ³ /μL)	0.16	0.10 - 0.23	0.42	0.28 - 0.55	1.13	0.79 - 1.47
IG # (10 ³ /μL)	0.31	0.23 - 0.39	0.79	0.64 - 0.95	2.16	1.75 - 2.57
NEUT%	39.0	33.5 - 44.4	42.8	38.1 - 47.5	46.6	41.9 - 51.3
LYMPH%	35.1	26.4 - 43.9	28.6	22.3 - 34.9	24.9	18.7 - 31.1
MONO%	10.9	5.0 - 16.8	12.3	6.4 - 18.2	11.2	6.3 - 16.2
EO%	9.7	6.1 - 13.3	10.4	6.7 - 14.2	11.0	6.9 - 15.1
BASO%	5.3	3.4 - 7.1	5.9	4.1 - 7.6	6.3	4.5 - 8.1
IG (%)	10.1	7.9 - 12.2	11.1	8.9 - 13.3	12.1	10.0 - 14.2
RET%	7.24	5.35 - 9.12	2.89	2.14 - 3.65	1.15	0.76 - 1.54
RET# (10 ⁶ /μL)	0.1656	0.1209 - 0.2103	0.1273	0.0955 - 0.1591	0.0583	0.0379 - 0.0787
IRF (%)	28.9	1.2 - 56.6	29.3	2.9 - 55.7	25.1	3.5 - 46.6
RET-He (pg)	24.3	20.9 - 27.7	24.8	21.6 - 28.0	26.1	22.2 - 30.0



XN CHECK™

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

Expiration Date:	2024-07-14		Quality Control Data Due Date #1: 03-Jun-24		Quality Control Data Due Date #2: 14-Jul-24	
Lot Number:	41131101		41131102		41131103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.34	2.22 - 2.45	4.44	4.26 - 4.61	5.12	4.92 - 5.33
HGB (g/dL)	5.84	5.55 - 6.14	12.63	12.12 - 13.13	15.74	15.11 - 16.37
HCT (%)	17.1	15.9 - 18.3	35.2	33.1 - 37.3	43.4	40.8 - 46.0
MCV (fL)	73.4	69.0 - 77.8	79.4	74.6 - 84.2	84.7	79.6 - 89.7
MCH (pg)	25.0	23.0 - 27.0	28.5	26.5 - 30.4	30.7	28.9 - 32.6
MCHC (g/dL)	34.1	30.7 - 37.5	35.8	32.6 - 39.1	36.3	33.4 - 39.2
RDW-SD (fL)	47.9	45.0 - 50.8	43.6	41.0 - 46.3	48.0	44.2 - 51.8
RDW-CV (%)	18.7	17.6 - 19.8	15.6	14.7 - 16.6	16.1	14.8 - 17.3
PLT (10 ³ /μL)	96	60 - 133	248	208 - 288	557	485 - 629
PLT-F (10 ³ /μL)	87	64 - 111	253	185 - 321	529	408 - 651
IPF (%)	19.2	16.7 - 21.7	20.2	16.1 - 24.2	20.2	16.0 - 24.5
IPF#	16.8	14.6 - 18.9	49.7	39.8 - 59.7	105.4	83.3 - 127.6
MPV (fL)	9.8	8.2 - 11.4	10.5	9.6 - 11.3	10.3	9.5 - 11.1
WBC (10 ³ /μL)	3.04	2.74 - 3.35	6.89	6.41 - 7.37	17.18	16.15 - 18.21
NEUT# (10 ³ /μL)	1.21	1.00 - 1.43	3.05	2.62 - 3.47	8.24	7.17 - 9.31
LYMPH# (10 ³ /μL)	1.01	0.74 - 1.28	1.79	1.36 - 2.22	4.03	2.98 - 5.08
MONO# (10 ³ /μL)	0.37	0.16 - 0.58	0.98	0.49 - 1.47	2.08	1.14 - 3.01
EO# (10 ³ /μL)	0.30	0.19 - 0.41	0.74	0.47 - 1.01	2.01	1.24 - 2.77
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.33	0.28 - 0.39	0.83	0.72 - 0.93
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.77	0.62 - 0.92	2.06	1.69 - 2.44
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.42	0.31 - 0.54	1.06	0.85 - 1.27
NEUT%	39.9	34.3 - 45.5	44.2	39.4 - 49.1	48.0	43.2 - 52.8
LYMPH%	33.2	24.9 - 41.5	26.0	20.3 - 31.7	23.5	17.6 - 29.3
MONO%	12.3	5.6 - 18.9	14.2	7.4 - 21.0	12.1	6.8 - 17.4
EO%	9.9	6.2 - 13.5	10.7	6.9 - 14.6	11.7	7.4 - 16.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.2	8.2 - 12.1	11.2	9.3 - 13.1	12.0	10.1 - 13.9
NRBC% (/100 WBC)	4.8	2.6 - 7.1	6.2	4.4 - 7.9	6.2	5.0 - 7.3
RET%	5.70	4.61 - 6.78	2.28	1.80 - 2.76	1.11	0.70 - 1.52
RET# (10 ⁶ /μL)	0.1330	0.1038 - 0.1623	0.1014	0.0821 - 0.1206	0.0570	0.0399 - 0.0741
IRF (%)	33.5	1.3 - 65.6	35.8	3.6 - 68.0	26.1	3.7 - 48.5
RET-He (pg)	25.3	21.8 - 28.8	26.2	22.8 - 29.6	28.0	23.8 - 32.2