



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:	41141101		41141102		41141103	
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	4.34	4.16 - 4.51	5.05	4.85 - 5.25
HGB (g/dL)	6.1	5.8 - 6.4	12.2	11.7 - 12.7	15.5	14.9 - 16.2
HCT (%)	17.7	16.4 - 18.9	34.8	32.7 - 36.9	43.6	41.0 - 46.3
MCV (fL)	74.5	70.1 - 79.0	80.2	75.4 - 85.0	86.4	81.2 - 91.6
MCH (pg)	25.9	23.8 - 27.9	28.1	26.1 - 30.1	30.8	28.9 - 32.6
MCHC (g/dL)	34.7	31.2 - 38.2	35.1	31.9 - 38.2	35.6	32.8 - 38.5
RDW-SD (fL)	47.5	44.7 - 50.4	44.8	42.1 - 47.5	49.6	45.7 - 53.6
RDW-CV (%)	17.7	16.7 - 18.8	15.4	14.5 - 16.3	15.8	14.5 - 17.0
PLT (10 ³ /μL)	86	53 - 119	238	200 - 276	534	464 - 603
PLT-F (10 ³ /μL)	83	60 - 105	236	172 - 299	506	389 - 622
IPF (%)	19.2	16.7 - 21.6	20.0	16.0 - 24.0	19.9	15.8 - 24.1
IPF#	15.8	13.8 - 17.9	46.1	36.8 - 55.3	99.3	78.5 - 120.2
MPV (fL)	8.4	7.1 - 9.8	9.5	8.8 - 10.3	9.4	8.7 - 10.2
WBC (10 ³ /μL)	3.08	2.77 - 3.39	7.10	6.61 - 7.60	17.01	15.99 - 18.03
NEUT# (10 ³ /μL)	1.17	0.96 - 1.38	3.13	2.69 - 3.57	8.03	6.99 - 9.08
LYMPH# (10 ³ /μL)	1.11	0.81 - 1.41	2.05	1.56 - 2.54	4.23	3.13 - 5.33
MONO# (10 ³ /μL)	0.37	0.16 - 0.57	0.84	0.42 - 1.26	2.06	1.13 - 2.98
EO# (10 ³ /μL)	0.29	0.18 - 0.39	0.74	0.47 - 1.01	1.88	1.16 - 2.59
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.40	0.82	0.72 - 0.93
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.79	0.64 - 0.94	2.02	1.66 - 2.39
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.43	0.31 - 0.54	1.06	0.85 - 1.27
NEUT%	38.1	32.7 - 43.4	44.1	39.2 - 48.9	47.2	42.5 - 51.9
LYMPH%	35.9	27.0 - 44.9	28.9	22.5 - 35.2	24.8	18.6 - 31.1
MONO%	11.9	5.5 - 18.4	11.9	6.2 - 17.5	12.1	6.8 - 17.4
EO%	9.3	5.8 - 12.7	10.4	6.7 - 14.1	11.0	6.9 - 15.1
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	9.8	7.9 - 11.6	11.2	9.3 - 13.1	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.6	2.5 - 6.8	6.0	4.3 - 7.7	6.2	5.0 - 7.4
RET%	5.55	4.50 - 6.60	2.26	1.78 - 2.73	1.25	0.79 - 1.71
RET# (10 ⁶ /μL)	0.1315	0.1025 - 0.1604	0.0979	0.0793 - 0.1165	0.0632	0.0442 - 0.0822
IRF (%)	30.3	1.2 - 59.4	30.7	3.1 - 58.3	25.1	3.5 - 46.7
RET-He (pg)	25.3	21.8 - 28.9	26.0	22.7 - 29.4	27.6	23.5 - 31.7



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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:	41141101		41141102		41141103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.36	2.25 - 2.48	4.33	4.16 - 4.51	5.05	4.85 - 5.26
HGB (g/dL)	6.1	5.8 - 6.4	12.2	11.7 - 12.7	15.5	14.9 - 16.2
HCT (%)	17.7	16.5 - 18.9	34.7	32.6 - 36.8	43.7	41.0 - 46.3
MCV (fL)	74.9	70.4 - 79.4	80.1	75.3 - 84.9	86.4	81.2 - 91.6
MCH (pg)	25.9	23.8 - 28.0	28.1	26.2 - 30.1	30.8	28.9 - 32.6
MCHC (g/dL)	34.6	31.1 - 38.1	35.1	32.0 - 38.3	35.6	32.8 - 38.5
RDW-SD (fL)	48.6	45.6 - 51.5	45.0	42.3 - 47.7	49.9	45.9 - 53.9
RDW-CV (%)	17.9	16.8 - 19.0	15.6	14.6 - 16.5	15.9	14.6 - 17.1
PLT (10 ³ /μL)	90	63 - 117	236	203 - 269	532	474 - 591
MPV (fL)	8.4	7.3 - 9.5	9.5	8.8 - 10.3	9.4	8.7 - 10.0
WBC (10 ³ /μL)	3.31	2.88 - 3.74	7.81	7.03 - 8.59	18.77	17.27 - 20.28
NEUT# (10 ³ /μL)	1.18	0.97 - 1.40	3.13	2.70 - 3.57	8.07	7.02 - 9.12
LYMPH# (10 ³ /μL)	1.20	0.88 - 1.53	2.28	1.73 - 2.82	4.76	3.52 - 6.00
MONO# (10 ³ /μL)	0.34	0.15 - 0.53	0.82	0.41 - 1.23	1.96	1.08 - 2.84
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.76	0.48 - 1.05	1.93	1.20 - 2.67
BASO# (10 ³ /μL)	0.16	0.10 - 0.22	0.42	0.29 - 0.56	1.09	0.76 - 1.41
IG # (10 ³ /μL)	0.31	0.23 - 0.38	0.81	0.65 - 0.97	2.11	1.71 - 2.51
NEUT%	37.3	32.1 - 42.5	42.3	37.6 - 46.9	45.3	40.8 - 49.8
LYMPH%	37.9	28.4 - 47.4	30.7	23.9 - 37.4	26.7	20.1 - 33.4
MONO%	10.7	4.9 - 16.4	11.0	5.7 - 16.3	11.0	6.2 - 15.8
EO%	9.1	5.7 - 12.4	10.3	6.6 - 14.0	10.8	6.8 - 14.9
BASO%	5.1	3.3 - 6.9	5.7	4.0 - 7.4	6.1	4.3 - 7.9
IG (%)	9.6	7.6 - 11.7	10.9	8.8 - 13.1	11.8	9.8 - 13.8
RET%	6.56	4.86 - 8.27	2.61	1.93 - 3.29	1.33	0.88 - 1.79
RET# (10 ⁶ /μL)	0.1551	0.1133 - 0.1970	0.1133	0.0850 - 0.1416	0.0675	0.0439 - 0.0911
IRF (%)	24.4	1.0 - 47.9	26.7	2.7 - 50.8	22.9	3.2 - 42.5
RET-He (pg)	24.2	20.8 - 27.6	24.7	21.5 - 27.9	25.9	22.0 - 29.8



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:	41141101		41141102		41141103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.40	2.28 - 2.52	4.38	4.21 - 4.56	5.11	4.90 - 5.31
HGB (g/dL)	6.12	5.81 - 6.42	12.22	11.73 - 12.70	15.61	14.99 - 16.24
HCT (%)	17.6	16.4 - 18.9	34.3	32.3 - 36.4	42.9	40.4 - 45.5
MCV (fL)	73.4	69.0 - 77.8	78.3	73.6 - 83.0	84.1	79.1 - 89.1
MCH (pg)	25.5	23.4 - 27.5	27.9	25.9 - 29.8	30.6	28.7 - 32.4
MCHC (g/dL)	34.7	31.2 - 38.2	35.6	32.4 - 38.8	36.4	33.5 - 39.3
RDW-SD (fL)	46.3	43.6 - 49.1	44.5	41.8 - 47.2	49.8	45.8 - 53.7
RDW-CV (%)	17.9	16.8 - 19.0	16.2	15.2 - 17.2	16.7	15.4 - 18.1
PLT (10 ³ /μL)	91	57 - 126	242	203 - 281	545	474 - 615
PLT-F (10 ³ /μL)	85	62 - 108	242	177 - 308	516	397 - 634
IPF (%)	19.2	16.7 - 21.7	19.8	15.9 - 23.8	20.0	15.8 - 24.2
IPF#	16.2	14.1 - 18.4	46.9	37.6 - 56.3	101.4	80.1 - 122.7
MPV (fL)	9.5	8.0 - 11.0	10.7	9.9 - 11.6	10.6	9.7 - 11.4
WBC (10 ³ /μL)	3.07	2.76 - 3.38	7.09	6.59 - 7.59	17.00	15.98 - 18.02
NEUT# (10 ³ /μL)	1.16	0.95 - 1.37	3.11	2.68 - 3.55	8.01	6.96 - 9.05
LYMPH# (10 ³ /μL)	1.12	0.82 - 1.42	2.05	1.56 - 2.55	4.29	3.17 - 5.40
MONO# (10 ³ /μL)	0.36	0.16 - 0.56	0.84	0.42 - 1.26	2.01	1.11 - 2.92
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.74	0.47 - 1.01	1.88	1.16 - 2.59
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.40	0.82	0.71 - 0.92
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.79	0.64 - 0.94	2.01	1.65 - 2.37
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.42	0.31 - 0.54	1.06	0.84 - 1.27
NEUT%	37.8	32.5 - 43.1	43.9	39.1 - 48.7	47.1	42.4 - 51.8
LYMPH%	36.6	27.4 - 45.7	28.9	22.6 - 35.3	25.2	18.9 - 31.5
MONO%	11.6	5.3 - 17.9	11.9	6.2 - 17.6	11.8	6.6 - 17.1
EO%	9.2	5.8 - 12.7	10.4	6.7 - 14.2	11.0	7.0 - 15.1
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	9.7	7.9 - 11.6	11.1	9.2 - 13.0	11.8	9.9 - 13.7
NRBC% (/100 WBC)	4.7	2.5 - 6.8	6.0	4.3 - 7.6	6.2	5.0 - 7.4
RET%	5.22	4.23 - 6.21	2.12	1.68 - 2.57	1.18	0.75 - 1.62
RET# (10 ⁶ /μL)	0.1253	0.0977 - 0.1528	0.0930	0.0753 - 0.1106	0.0604	0.0423 - 0.0786
IRF (%)	31.1	1.2 - 60.9	31.5	3.2 - 59.9	25.3	3.5 - 47.1
RET-He (pg)	25.3	21.7 - 28.8	26.1	22.7 - 29.4	27.8	23.6 - 32.0