



XN CHECK™

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

Expiration Date:	2024-10-06		Quality Control Data Due Date #1: 26-Aug-24		Quality Control Data Due Date #2: 06-Oct-24	
Lot Number:	42001101		42001102		42001103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.41	2.29 - 2.53	4.37	4.19 - 4.54	5.08	4.88 - 5.28
HGB (g/dL)	5.5	5.3 - 5.8	11.6	11.2 - 12.1	16.2	15.5 - 16.8
HCT (%)	16.3	15.2 - 17.5	33.4	31.4 - 35.4	45.0	42.3 - 47.7
MCV (fL)	67.9	63.8 - 72.0	76.5	71.9 - 81.1	88.6	83.3 - 93.9
MCH (pg)	23.0	21.2 - 24.9	26.6	24.8 - 28.5	31.8	29.9 - 33.8
MCHC (g/dL)	33.9	30.5 - 37.3	34.8	31.7 - 38.0	35.9	33.1 - 38.8
RDW-SD (fL)	47.1	44.3 - 50.0	47.0	44.2 - 49.8	46.8	43.0 - 50.5
RDW-CV (%)	19.4	18.3 - 20.6	17.0	16.0 - 18.0	14.4	13.3 - 15.6
PLT (10 ³ /μL)	89	55 - 123	221	185 - 256	509	443 - 576
PLT-F (10 ³ /μL)	83	61 - 105	213	155 - 270	478	368 - 588
IPF (%)	19.0	16.5 - 21.5	20.1	16.1 - 24.1	19.9	15.7 - 24.1
IPF#	15.7	13.7 - 17.8	41.7	33.3 - 50.0	93.7	74.0 - 113.3
MPV (fL)	8.7	7.3 - 10.1	9.6	8.8 - 10.4	9.4	8.7 - 10.2
WBC (10 ³ /μL)	3.05	2.65 - 3.44	7.12	6.41 - 7.84	16.57	15.08 - 18.06
NEUT# (10 ³ /μL)	1.17	0.96 - 1.39	3.09	2.65 - 3.52	7.76	6.75 - 8.77
LYMPH# (10 ³ /μL)	1.11	0.81 - 1.40	2.04	1.55 - 2.53	4.09	3.03 - 5.16
MONO# (10 ³ /μL)	0.34	0.15 - 0.53	0.92	0.46 - 1.38	2.09	1.15 - 3.03
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.74	0.47 - 1.01	1.83	1.13 - 2.53
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.40	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.78	0.64 - 0.93	1.95	1.60 - 2.31
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.44	0.32 - 0.55	1.08	0.87 - 1.30
NEUT%	38.5	33.1 - 43.9	43.3	38.6 - 48.1	46.8	42.2 - 51.5
LYMPH%	36.3	27.2 - 45.3	28.6	22.3 - 34.9	24.7	18.5 - 30.9
MONO%	11.2	5.1 - 17.2	12.9	6.7 - 19.1	12.6	7.1 - 18.1
EO%	9.3	5.9 - 12.7	10.4	6.6 - 14.1	11.0	7.0 - 15.1
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.9	8.0 - 11.7	11.0	9.1 - 12.9	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%	5.96	4.83 - 7.09	2.34	1.85 - 2.83	1.22	0.77 - 1.68
RET# (10 ⁶ /μL)	0.1434	0.1118 - 0.1749	0.1022	0.0828 - 0.1216	0.0622	0.0435 - 0.0808
IRF (%)	35.9	1.4 - 70.3	36.1	3.6 - 68.6	26.7	3.7 - 49.6
RET-He (pg)	24.4	21.0 - 27.8	25.4	22.1 - 28.7	28.0	23.8 - 32.2



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-10-06		Quality Control Data Due Date #1: 26-Aug-24		Quality Control Data Due Date #2: 06-Oct-24	
Lot Number:	42001101		42001102		42001103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.40	2.28 - 2.52	4.37	4.20 - 4.55	5.12	4.91 - 5.32
HGB (g/dL)	5.5	5.3 - 5.8	11.7	11.2 - 12.1	16.2	15.6 - 16.8
HCT (%)	16.4	15.2 - 17.5	33.4	31.4 - 35.5	45.4	42.6 - 48.1
MCV (fL)	68.4	64.3 - 72.5	76.5	71.9 - 81.1	88.7	83.3 - 94.0
MCH (pg)	23.1	21.3 - 25.0	26.7	24.8 - 28.6	31.7	29.8 - 33.6
MCHC (g/dL)	33.8	30.4 - 37.2	34.9	31.7 - 38.0	35.7	32.8 - 38.6
RDW-SD (fL)	48.2	45.3 - 51.1	47.3	44.5 - 50.1	46.5	42.8 - 50.2
RDW-CV (%)	19.5	18.4 - 20.7	17.1	16.1 - 18.2	14.4	13.3 - 15.6
PLT (10 ³ /μL)	91	64 - 118	224	192 - 255	516	459 - 573
MPV (fL)	8.7	7.6 - 9.9	9.5	8.8 - 10.3	9.4	8.7 - 10.0
WBC (10 ³ /μL)	3.32	2.79 - 3.86	7.90	6.87 - 8.93	18.46	16.43 - 20.50
NEUT# (10 ³ /μL)	1.19	0.98 - 1.41	3.12	2.68 - 3.56	7.96	6.92 - 8.99
LYMPH# (10 ³ /μL)	1.22	0.89 - 1.55	2.32	1.76 - 2.88	4.82	3.56 - 6.07
MONO# (10 ³ /μL)	0.33	0.14 - 0.51	0.85	0.43 - 1.28	1.95	1.07 - 2.83
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.78	0.49 - 1.07	1.90	1.18 - 2.63
BASO# (10 ³ /μL)	0.16	0.10 - 0.22	0.41	0.28 - 0.54	1.07	0.75 - 1.39
IG # (10 ³ /μL)	0.31	0.23 - 0.39	0.81	0.65 - 0.98	2.08	1.68 - 2.47
NEUT%	37.5	32.2 - 42.7	41.7	37.1 - 46.3	45.0	40.5 - 49.5
LYMPH%	38.3	28.7 - 47.8	31.0	24.2 - 37.8	27.2	20.4 - 34.0
MONO%	10.3	4.7 - 15.9	11.4	5.9 - 16.9	11.0	6.2 - 15.9
EO%	8.9	5.6 - 12.2	10.4	6.7 - 14.2	10.8	6.8 - 14.7
BASO%	5.0	3.3 - 6.8	5.5	3.9 - 7.2	6.0	4.3 - 7.8
IG (%)	9.7	7.7 - 11.8	10.9	8.7 - 13.0	11.7	9.7 - 13.7
RET%	7.31	5.41 - 9.21	2.76	2.04 - 3.48	1.26	0.83 - 1.69
RET# (10 ⁶ /μL)	0.1752	0.1279 - 0.2225	0.1208	0.0906 - 0.1509	0.0646	0.0420 - 0.0872
IRF (%)	31.3	1.3 - 61.3	32.4	3.2 - 61.5	26.3	3.7 - 48.9
RET-He (pg)	23.0	19.8 - 26.3	23.7	20.6 - 26.8	25.4	21.6 - 29.2



XN CHECK™

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

Expiration Date:	2024-10-06		Quality Control Data Due Date #1: 26-Aug-24		Quality Control Data Due Date #2: 06-Oct-24	
Lot Number:	42001101		42001102		42001103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.44	2.32 - 2.56	4.42	4.25 - 4.60	5.17	4.96 - 5.37
HGB (g/dL)	5.51	5.23 - 5.78	11.64	11.18 - 12.11	16.27	15.62 - 16.92
HCT (%)	16.4	15.3 - 17.6	33.3	31.3 - 35.3	45.1	42.4 - 47.8
MCV (fL)	67.4	63.4 - 71.5	75.2	70.7 - 79.7	87.2	82.0 - 92.5
MCH (pg)	22.6	20.8 - 24.4	26.3	24.5 - 28.2	31.5	29.6 - 33.4
MCHC (g/dL)	33.5	30.1 - 36.8	35.0	31.8 - 38.1	36.1	33.2 - 39.0
RDW-SD (fL)	46.9	44.0 - 49.7	47.4	44.6 - 50.3	47.8	43.9 - 51.6
RDW-CV (%)	19.6	18.5 - 20.8	17.8	16.7 - 18.9	15.3	14.1 - 16.6
PLT (10 ³ /μL)	94	58 - 130	226	190 - 262	520	453 - 588
PLT-F (10 ³ /μL)	85	62 - 108	219	160 - 278	489	376 - 601
IPF (%)	19.0	16.6 - 21.5	20.0	16.0 - 24.0	20.0	15.8 - 24.2
IPF#	16.2	14.1 - 18.3	42.7	34.2 - 51.2	96.1	75.9 - 116.3
MPV (fL)	9.8	8.2 - 11.3	10.8	10.0 - 11.7	10.6	9.8 - 11.5
WBC (10 ³ /μL)	3.06	2.66 - 3.45	7.09	6.38 - 7.80	16.57	15.08 - 18.06
NEUT# (10 ³ /μL)	1.17	0.96 - 1.38	3.04	2.61 - 3.46	7.73	6.73 - 8.74
LYMPH# (10 ³ /μL)	1.12	0.82 - 1.42	2.04	1.55 - 2.53	4.14	3.07 - 5.22
MONO# (10 ³ /μL)	0.34	0.15 - 0.52	0.93	0.47 - 1.40	2.09	1.15 - 3.03
EO# (10 ³ /μL)	0.28	0.18 - 0.39	0.73	0.46 - 1.01	1.81	1.12 - 2.49
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.35	0.29 - 0.40	0.80	0.70 - 0.91
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.77	0.62 - 0.92	1.95	1.60 - 2.30
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.43	0.32 - 0.55	1.08	0.86 - 1.29
NEUT%	38.3	32.9 - 43.7	42.8	38.1 - 47.5	46.6	42.0 - 51.3
LYMPH%	36.6	27.5 - 45.8	28.8	22.5 - 35.1	25.0	18.7 - 31.2
MONO%	11.0	5.1 - 16.9	13.2	6.8 - 19.5	12.6	7.1 - 18.2
EO%	9.3	5.9 - 12.8	10.4	6.6 - 14.1	10.9	6.9 - 14.9
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	9.9	8.0 - 11.7	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 - 7.8	6.5	5.3 - 7.7
RET%	5.55	4.50 - 6.61	2.20	1.74 - 2.66	1.16	0.73 - 1.59
RET# (10 ⁶ /μL)	0.1354	0.1056 - 0.1652	0.0972	0.0787 - 0.1157	0.0600	0.0420 - 0.0780
IRF (%)	39.2	1.6 - 76.9	37.9	3.8 - 71.9	28.3	4.0 - 52.6
RET-He (pg)	24.5	21.1 - 28.0	25.6	22.3 - 29.0	28.2	24.0 - 32.4