



XN CHECK™

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

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21181101		21181102		21181103	
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	4.29	4.12 - 4.46	5.01	4.81 - 5.21
HGB (g/dL)	5.7	5.4 - 5.9	12.1	11.7 - 12.6	15.8	15.1 - 16.4
HCT (%)	16.6	15.4 - 17.7	34.6	32.5 - 36.7	44.1	41.4 - 46.7
MCV (fL)	72.4	68.1 - 76.7	80.7	75.8 - 85.5	88.0	82.7 - 93.3
MCH (pg)	24.7	22.7 - 26.7	28.3	26.3 - 30.3	31.5	29.6 - 33.4
MCHC (g/dL)	34.1	30.7 - 37.5	35.1	31.9 - 38.2	35.7	32.9 - 38.6
RDW-SD (fL)	56.3	52.9 - 59.7	50.8	47.7 - 53.8	47.9	44.1 - 51.7
RDW-CV (%)	21.7	20.4 - 23.0	17.6	16.6 - 18.7	15.2	14.0 - 16.4
PLT (10 ³ /μL)	89	55 - 123	254	226 - 281	572	521 - 624
PLT-F (10 ³ /μL)	85	62 - 108	264	193 - 335	559	430 - 687
IPF (%)	19.0	16.5 - 21.4	20.0	16.0 - 24.0	20.1	15.9 - 24.3
IPF#	16.1	14.0 - 18.2	50.3	40.3 - 60.4	109.6	86.6 - 132.6
MPV (fL)	8.0	6.8 - 9.3	9.4	8.7 - 10.0	9.2	8.7 - 9.7
WBC (10 ³ /μL)	3.09	2.78 - 3.40	7.21	6.71 - 7.72	16.53	15.54 - 17.53
NEUT# (10 ³ /μL)	1.21	0.99 - 1.43	3.11	2.68 - 3.55	7.83	6.81 - 8.85
LYMPH# (10 ³ /μL)	1.00	0.73 - 1.26	2.10	1.60 - 2.60	4.05	3.00 - 5.10
MONO# (10 ³ /μL)	0.44	0.19 - 0.69	0.92	0.46 - 1.38	1.96	1.08 - 2.85
EO# (10 ³ /μL)	0.29	0.18 - 0.41	0.73	0.46 - 1.01	1.89	1.17 - 2.61
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.35	0.29 - 0.40	0.80	0.70 - 0.90
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.79	0.64 - 0.94	1.97	1.62 - 2.33
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.43	0.31 - 0.54	1.11	0.89 - 1.33
NEUT%	39.1	33.6 - 44.6	43.1	38.4 - 47.9	47.3	42.6 - 52.1
LYMPH%	32.2	24.2 - 40.3	29.1	22.7 - 35.5	24.5	18.4 - 30.6
MONO%	14.3	6.6 - 22.1	12.8	6.7 - 18.9	11.9	6.6 - 17.1
EO%	9.5	6.0 - 13.1	10.2	6.5 - 13.8	11.5	7.2 - 15.7
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.3 - 5.4
IG (%)	10.0	8.1 - 11.9	10.9	9.1 - 12.8	11.9	10.0 - 13.8
NRBC% (/100 WBC)	4.8	2.6 - 7.1	5.9	4.3 - 7.6	6.7	5.4 - 8.0
RET%	5.71	4.63 - 6.80	2.66	2.10 - 3.22	1.32	0.83 - 1.81
RET# (10 ⁶ /μL)	0.1307	0.1020 - 0.1595	0.1140	0.0923 - 0.1357	0.0661	0.0462 - 0.0859
IRF (%)	40.3	1.6 - 78.9	40.7	4.1 - 77.3	33.0	4.6 - 61.4
RET-He (pg)	25.0	21.5 - 28.5	25.7	22.4 - 29.0	27.2	23.1 - 31.2



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21181101		21181102		21181103	
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	2.19 - 2.43	4.33	4.15 - 4.50	5.07	4.87 - 5.27
HGB (g/dL)	5.7	5.4 - 6.0	12.2	11.7 - 12.7	15.8	15.1 - 16.4
HCT (%)	16.8	15.6 - 18.0	34.9	32.8 - 37.0	44.5	41.8 - 47.1
MCV (fL)	72.7	68.3 - 77.1	80.7	75.8 - 85.5	87.7	82.4 - 93.0
MCH (pg)	24.7	22.7 - 26.7	28.2	26.2 - 30.2	31.1	29.2 - 33.0
MCHC (g/dL)	33.9	30.6 - 37.3	35.0	31.8 - 38.1	35.5	32.6 - 38.3
RDW-SD (fL)	56.7	53.3 - 60.1	51.0	47.9 - 54.1	47.2	43.5 - 51.0
RDW-CV (%)	21.7	20.4 - 23.0	17.4	16.4 - 18.5	14.8	13.7 - 16.0
PLT (10 ³ /μL)	92	65 - 120	255	220 - 291	582	518 - 646
MPV (fL)	7.9	6.9 - 9.0	9.1	8.4 - 9.9	9.0	8.4 - 9.7
WBC (10 ³ /μL)	3.36	2.93 - 3.80	8.00	7.20 - 8.80	18.37	16.90 - 19.84
NEUT# (10 ³ /μL)	1.24	1.01 - 1.46	3.18	2.73 - 3.62	7.95	6.92 - 8.99
LYMPH# (10 ³ /μL)	1.14	0.83 - 1.45	2.40	1.83 - 2.98	4.64	3.43 - 5.84
MONO# (10 ³ /μL)	0.38	0.17 - 0.60	0.83	0.42 - 1.25	1.82	1.00 - 2.64
EO# (10 ³ /μL)	0.30	0.19 - 0.42	0.77	0.48 - 1.05	1.97	1.22 - 2.71
BASO# (10 ³ /μL)	0.17	0.11 - 0.24	0.44	0.30 - 0.58	1.08	0.75 - 1.40
IG # (10 ³ /μL)	0.32	0.24 - 0.40	0.82	0.66 - 0.99	2.07	1.67 - 2.46
NEUT%	38.2	32.9 - 43.6	41.7	37.1 - 46.3	45.6	41.0 - 50.1
LYMPH%	35.3	26.5 - 44.2	31.6	24.6 - 38.5	26.6	19.9 - 33.2
MONO%	11.8	5.4 - 18.2	10.9	5.7 - 16.1	10.4	5.8 - 15.0
EO%	9.4	5.9 - 12.8	10.1	6.5 - 13.7	11.3	7.1 - 15.4
BASO%	5.3	3.4 - 7.1	5.7	4.0 - 7.5	6.2	4.4 - 8.0
IG (%)	9.9	7.8 - 12.0	10.8	8.6 - 13.0	11.8	9.8 - 13.9
RET%	6.47	4.79 - 8.15	2.94	2.18 - 3.71	1.40	0.92 - 1.88
RET# (10 ⁶ /μL)	0.1495	0.1091 - 0.1898	0.1273	0.0955 - 0.1591	0.0710	0.0461 - 0.0958
IRF (%)	29.5	1.2 - 57.8	32.4	3.2 - 61.6	27.4	3.8 - 51.0
RET-He (pg)	23.7	20.4 - 27.0	24.1	21.0 - 27.3	25.0	21.3 - 28.8



XN CHECK™

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

Expiration Date:	2022-07-17		Quality Control Data Due Date #1: 06-Jun-22		Quality Control Data Due Date #2: 17-Jul-22	
Lot Number:	21181101		21181102		21181103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.33	2.21 - 2.45	4.33	4.16 - 4.50	5.06	4.86 - 5.27
HGB (g/dL)	5.64	5.36 - 5.92	12.16	11.67 - 12.65	15.81	15.18 - 16.45
HCT (%)	16.5	15.4 - 17.7	34.1	32.1 - 36.2	43.4	40.8 - 46.0
MCV (fL)	70.9	66.6 - 75.2	78.7	74.0 - 83.5	85.7	80.6 - 90.9
MCH (pg)	24.2	22.3 - 26.2	28.1	26.1 - 30.0	31.2	29.4 - 33.1
MCHC (g/dL)	34.2	30.7 - 37.6	35.7	32.4 - 38.9	36.4	33.5 - 39.3
RDW-SD (fL)	54.3	51.1 - 57.6	50.3	47.2 - 53.3	47.6	43.8 - 51.4
RDW-CV (%)	21.6	20.3 - 22.9	17.9	16.8 - 18.9	15.6	14.4 - 16.9
PLT (10 ³ /μL)	96	60 - 132	259	231 - 288	585	532 - 638
PLT-F (10 ³ /μL)	86	63 - 109	267	195 - 339	565	435 - 695
IPF (%)	19.0	16.5 - 21.4	20.6	16.5 - 24.8	20.7	16.3 - 25.0
IPF#	16.3	14.1 - 18.4	52.5	42.0 - 63.0	114.0	90.1 - 137.9
MPV (fL)	8.9	7.5 - 10.3	10.4	9.7 - 11.1	10.2	9.7 - 10.7
WBC (10 ³ /μL)	3.08	2.77 - 3.39	7.18	6.68 - 7.68	16.42	15.44 - 17.41
NEUT# (10 ³ /μL)	1.21	0.99 - 1.43	3.08	2.65 - 3.52	7.88	6.85 - 8.90
LYMPH# (10 ³ /μL)	0.98	0.71 - 1.24	2.07	1.58 - 2.57	3.97	2.94 - 5.00
MONO# (10 ³ /μL)	0.45	0.20 - 0.71	0.95	0.48 - 1.43	2.01	1.10 - 2.91
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.72	0.46 - 0.99	1.77	1.10 - 2.44
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.35	0.29 - 0.40	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.78	0.63 - 0.93	1.98	1.62 - 2.34
NRBC# (10 ³ /μL)	0.15	0.08 - 0.21	0.43	0.32 - 0.55	1.11	0.89 - 1.33
NEUT%	39.2	33.7 - 44.7	43.0	38.2 - 47.7	48.0	43.2 - 52.8
LYMPH%	31.8	23.8 - 39.7	28.9	22.5 - 35.2	24.2	18.1 - 30.2
MONO%	14.7	6.8 - 22.6	13.3	6.9 - 19.6	12.2	6.8 - 17.6
EO%	9.5	6.0 - 13.0	10.1	6.4 - 13.7	10.8	6.8 - 14.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.9	4.3 - 5.4
IG (%)	10.0	8.1 - 11.9	10.9	9.0 - 12.7	12.1	10.1 - 14.0
NRBC% (/100 WBC)	4.8	2.6 - 7.1	6.0	4.3 - 7.7	6.7	5.5 - 8.0
RET%	5.19	4.20 - 6.17	2.44	1.92 - 2.95	1.24	0.78 - 1.69
RET# (10 ⁶ /μL)	0.1208	0.0942 - 0.1474	0.1055	0.0854 - 0.1255	0.0626	0.0438 - 0.0814
IRF (%)	42.7	1.7 - 83.8	42.5	4.2 - 80.7	33.9	4.7 - 63.0
RET-He (pg)	24.9	21.4 - 28.4	25.6	22.2 - 28.9	27.2	23.1 - 31.3