



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:	21161101		21161102		21161103	
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 - 2.42	4.24	4.07 - 4.41	4.99	4.79 - 5.19
HGB (g/dL)	5.8	5.5 - 6.1	12.2	11.7 - 12.7	15.7	15.0 - 16.3
HCT (%)	17.1	15.9 - 18.3	34.7	32.7 - 36.8	43.8	41.1 - 46.4
MCV (fL)	74.2	69.7 - 78.6	81.9	77.0 - 86.8	87.8	82.5 - 93.1
MCH (pg)	25.2	23.2 - 27.2	28.7	26.7 - 30.7	31.4	29.5 - 33.3
MCHC (g/dL)	34.0	30.6 - 37.4	35.1	31.9 - 38.2	35.8	32.9 - 38.6
RDW-SD (fL)	54.7	51.4 - 58.0	47.8	45.0 - 50.7	46.0	42.3 - 49.7
RDW-CV (%)	20.5	19.2 - 21.7	16.4	15.4 - 17.3	14.7	13.5 - 15.8
PLT (10 ³ /μL)	90	56 - 124	252	225 - 280	560	510 - 611
PLT-F (10 ³ /μL)	84	61 - 107	265	194 - 337	558	430 - 686
IPF (%)	18.9	16.4 - 21.3	19.8	15.9 - 23.8	19.9	15.7 - 24.1
IPF#	15.9	13.8 - 18.0	50.0	40.0 - 60.0	108.2	85.5 - 130.9
MPV (fL)	8.1	6.8 - 9.4	9.1	8.5 - 9.7	9.0	8.5 - 9.4
WBC (10 ³ /μL)	3.08	2.77 - 3.38	7.03	6.54 - 7.53	16.63	15.63 - 17.62
NEUT# (10 ³ /μL)	1.26	1.03 - 1.49	3.08	2.65 - 3.52	7.95	6.92 - 8.99
LYMPH# (10 ³ /μL)	0.96	0.70 - 1.21	1.94	1.47 - 2.41	4.01	2.96 - 5.05
MONO# (10 ³ /μL)	0.40	0.18 - 0.63	0.95	0.47 - 1.42	2.02	1.11 - 2.93
EO# (10 ³ /μL)	0.31	0.19 - 0.43	0.72	0.45 - 0.98	1.85	1.14 - 2.55
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.29 - 0.40	0.81	0.70 - 0.91
IG # (10 ³ /μL)	0.32	0.25 - 0.39	0.79	0.64 - 0.93	2.01	1.65 - 2.37
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.45	0.33 - 0.58	1.11	0.89 - 1.33
NEUT%	41.0	35.2 - 46.7	43.9	39.0 - 48.7	47.8	43.0 - 52.6
LYMPH%	31.1	23.3 - 38.8	27.6	21.5 - 33.7	24.1	18.1 - 30.1
MONO%	13.2	6.1 - 20.3	13.5	7.0 - 20.0	12.1	6.8 - 17.5
EO%	10.0	6.3 - 13.7	10.2	6.5 - 13.9	11.1	7.0 - 15.2
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.5	8.5 - 12.4	11.2	9.3 - 13.1	12.1	10.2 - 14.0
NRBC% (/100 WBC)	5.1	2.8 - 7.5	6.5	4.6 - 8.3	6.7	5.4 - 8.0
RET%	5.85	4.74 - 6.96	2.39	1.89 - 2.89	1.22	0.77 - 1.67
RET# (10 ⁶ /μL)	0.1350	0.1053 - 0.1647	0.1015	0.0822 - 0.1208	0.0608	0.0425 - 0.0790
IRF (%)	39.3	1.6 - 77.1	38.2	3.8 - 72.5	31.1	4.4 - 57.9
RET-He (pg)	24.7	21.3 - 28.2	25.4	22.1 - 28.7	26.9	22.8 - 30.9



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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:	21161101		21161102		21161103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.32	2.21 - 2.44	4.27	4.10 - 4.44	5.05	4.85 - 5.25
HGB (g/dL)	5.9	5.6 - 6.2	12.2	11.8 - 12.7	15.7	15.1 - 16.4
HCT (%)	17.3	16.1 - 18.5	35.0	32.9 - 37.1	44.3	41.7 - 47.0
MCV (fL)	74.4	69.9 - 78.8	81.9	77.0 - 86.8	87.8	82.5 - 93.0
MCH (pg)	25.2	23.2 - 27.2	28.7	26.7 - 30.7	31.1	29.3 - 33.0
MCHC (g/dL)	33.9	30.5 - 37.3	35.0	31.8 - 38.1	35.5	32.6 - 38.3
RDW-SD (fL)	55.3	52.0 - 58.6	47.8	45.0 - 50.7	45.8	42.1 - 49.5
RDW-CV (%)	20.5	19.3 - 21.7	16.1	15.1 - 17.1	14.3	13.2 - 15.5
PLT (10 ³ /μL)	91	63 - 118	254	218 - 289	565	503 - 627
MPV (fL)	8.0	6.9 - 9.0	8.9	8.2 - 9.7	8.8	8.2 - 9.4
WBC (10 ³ /μL)	3.35	2.92 - 3.79	7.80	7.02 - 8.59	18.46	16.99 - 19.94
NEUT# (10 ³ /μL)	1.28	1.05 - 1.51	3.13	2.69 - 3.57	8.03	6.99 - 9.08
LYMPH# (10 ³ /μL)	1.08	0.79 - 1.37	2.26	1.72 - 2.80	4.60	3.40 - 5.79
MONO# (10 ³ /μL)	0.36	0.16 - 0.55	0.84	0.42 - 1.26	1.88	1.03 - 2.72
EO# (10 ³ /μL)	0.32	0.20 - 0.44	0.76	0.48 - 1.04	1.94	1.20 - 2.67
BASO# (10 ³ /μL)	0.17	0.11 - 0.24	0.42	0.29 - 0.56	1.09	0.76 - 1.41
IG # (10 ³ /μL)	0.33	0.25 - 0.42	0.81	0.65 - 0.98	2.09	1.70 - 2.49
NEUT%	39.9	34.3 - 45.5	42.2	37.6 - 46.8	45.8	41.2 - 50.4
LYMPH%	33.6	25.2 - 42.0	30.4	23.7 - 37.1	26.2	19.7 - 32.8
MONO%	11.1	5.1 - 17.0	11.4	5.9 - 16.8	10.7	6.0 - 15.4
EO%	10.0	6.3 - 13.6	10.3	6.6 - 14.0	11.1	7.0 - 15.1
BASO%	5.4	3.5 - 7.3	5.7	4.0 - 7.4	6.2	4.4 - 8.0
IG (%)	10.4	8.2 - 12.5	11.0	8.8 - 13.2	11.9	9.9 - 14.0
RET%	6.76	5.00 - 8.52	2.67	1.97 - 3.36	1.24	0.82 - 1.67
RET# (10 ⁶ /μL)	0.1571	0.1147 - 0.1996	0.1139	0.0854 - 0.1423	0.0628	0.0408 - 0.0848
IRF (%)	27.1	1.1 - 53.1	29.8	3.0 - 56.5	26.7	3.7 - 49.6
RET-He (pg)	23.1	19.9 - 26.3	23.7	20.6 - 26.7	24.5	20.8 - 28.2



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:	21161101		21161102		21161103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.35	2.23 - 2.46	4.28	4.10 - 4.45	5.04	4.84 - 5.24
HGB (g/dL)	5.82	5.53 - 6.11	12.20	11.72 - 12.69	15.74	15.11 - 16.37
HCT (%)	16.9	15.7 - 18.1	33.9	31.9 - 36.0	43.0	40.4 - 45.6
MCV (fL)	72.1	67.7 - 76.4	79.4	74.6 - 84.2	85.2	80.1 - 90.4
MCH (pg)	24.8	22.8 - 26.8	28.5	26.5 - 30.5	31.2	29.3 - 33.1
MCHC (g/dL)	34.4	31.0 - 37.9	36.0	32.7 - 39.2	36.6	33.7 - 39.5
RDW-SD (fL)	52.6	49.4 - 55.7	46.7	43.9 - 49.5	44.9	41.3 - 48.5
RDW-CV (%)	20.5	19.2 - 21.7	16.6	15.6 - 17.6	14.8	13.6 - 16.0
PLT (10 ³ /μL)	95	59 - 131	259	230 - 287	572	520 - 623
PLT-F (10 ³ /μL)	85	62 - 108	267	195 - 339	563	434 - 693
IPF (%)	19.0	16.5 - 21.4	19.9	15.9 - 23.9	19.9	15.7 - 24.1
IPF#	16.2	14.1 - 18.3	50.6	40.4 - 60.7	109.5	86.5 - 132.6
MPV (fL)	8.9	7.5 - 10.4	10.1	9.3 - 10.8	9.9	9.4 - 10.4
WBC (10 ³ /μL)	3.08	2.77 - 3.39	6.99	6.50 - 7.48	16.58	15.58 - 17.57
NEUT# (10 ³ /μL)	1.26	1.04 - 1.49	3.07	2.64 - 3.50	7.92	6.89 - 8.95
LYMPH# (10 ³ /μL)	0.95	0.69 - 1.21	1.93	1.46 - 2.39	3.94	2.92 - 4.97
MONO# (10 ³ /μL)	0.41	0.18 - 0.64	0.95	0.47 - 1.42	2.09	1.15 - 3.02
EO# (10 ³ /μL)	0.31	0.19 - 0.42	0.71	0.45 - 0.97	1.82	1.13 - 2.51
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.70 - 0.91
IG # (10 ³ /μL)	0.32	0.25 - 0.39	0.78	0.63 - 0.92	1.99	1.63 - 2.34
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.45	0.33 - 0.57	1.11	0.89 - 1.33
NEUT%	41.0	35.3 - 46.8	43.9	39.1 - 48.7	47.8	43.0 - 52.6
LYMPH%	30.9	23.2 - 38.6	27.6	21.5 - 33.6	23.8	17.8 - 29.7
MONO%	13.4	6.1 - 20.6	13.6	7.1 - 20.1	12.6	7.0 - 18.1
EO%	9.9	6.3 - 13.6	10.1	6.5 - 13.8	11.0	6.9 - 15.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.3 - 5.4
IG (%)	10.4	8.4 - 12.4	11.1	9.2 - 13.0	12.0	10.1 - 13.9
NRBC% (/100 WBC)	5.3	2.9 - 7.7	6.4	4.6 - 8.2	6.7	5.4 - 8.0
RET%	5.30	4.30 - 6.31	2.20	1.74 - 2.66	1.16	0.73 - 1.59
RET# (10 ⁶ /μL)	0.1244	0.0971 - 0.1518	0.0939	0.0761 - 0.1117	0.0585	0.0410 - 0.0761
IRF (%)	41.5	1.7 - 81.4	40.5	4.0 - 76.9	32.4	4.5 - 60.3
RET-He (pg)	24.6	21.1 - 28.0	25.2	21.9 - 28.5	26.7	22.7 - 30.7