



XN CHECK™

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

Expiration Date:	2020-09-13		Quality Control Data Due Date #1: 03-Aug-20		Quality Control Data Due Date #2: 13-Sep-20	
Lot Number:	01751101		01751102		01751103	
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	2.18 - 2.41	4.32	4.14 - 4.49	5.08	4.88 - 5.28
HGB (g/dL)	5.7	5.4 - 6.0	11.7	11.2 - 12.2	15.4	14.8 - 16.0
HCT (%)	16.8	15.6 - 18.0	34.0	32.0 - 36.1	43.9	41.2 - 46.5
MCV (fL)	73.3	68.9 - 77.7	78.8	74.1 - 83.6	86.3	81.1 - 91.5
MCH (pg)	24.8	22.8 - 26.8	27.1	25.2 - 29.0	30.3	28.5 - 32.2
MCHC (g/dL)	33.8	30.5 - 37.2	34.4	31.3 - 37.5	35.2	32.3 - 38.0
RDW-SD (fL)	53.2	50.1 - 56.4	47.8	44.9 - 50.6	48.7	44.8 - 52.6
RDW-CV (%)	20.2	18.9 - 21.4	17.0	16.0 - 18.0	15.7	14.5 - 17.0
PLT (10 ³ /μL)	94	59 - 130	246	219 - 273	509	464 - 555
PLT-F (10 ³ /μL)	84	61 - 107	251	183 - 319	489	376 - 601
IPF (%)	19.2	16.7 - 21.7	19.6	15.7 - 23.5	19.8	15.7 - 24.0
IPF#	16.1	14.0 - 18.2	46.8	37.4 - 56.2	94.5	74.7 - 114.4
MPV (fL)	8.8	7.4 - 10.2	9.5	8.9 - 10.2	9.4	8.9 - 9.8
WBC (10 ³ /μL)	2.94	2.64 - 3.23	6.66	6.19 - 7.12	15.71	14.77 - 16.65
NEUT# (10 ³ /μL)	1.13	0.93 - 1.34	2.85	2.45 - 3.25	7.12	6.19 - 8.04
LYMPH# (10 ³ /μL)	1.02	0.74 - 1.29	2.07	1.57 - 2.56	4.38	3.24 - 5.52
MONO# (10 ³ /μL)	0.41	0.18 - 0.65	0.94	0.47 - 1.41	2.20	1.21 - 3.19
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.69	0.43 - 0.94	1.65	1.02 - 2.28
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.77	0.67 - 0.87
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.72	0.58 - 0.86	1.80	1.48 - 2.13
NRBC# (10 ³ /μL)	0.15	0.09 - 0.22	0.42	0.31 - 0.53	0.97	0.77 - 1.16
NEUT%	38.1	32.8 - 43.4	41.4	36.9 - 46.0	44.2	39.7 - 48.6
LYMPH%	34.2	25.6 - 42.7	30.1	23.4 - 36.7	27.2	20.4 - 33.9
MONO%	13.9	6.4 - 21.4	13.7	7.1 - 20.3	13.7	7.7 - 19.7
EO%	9.0	5.7 - 12.3	10.0	6.4 - 13.6	10.2	6.4 - 14.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.8	7.9 - 11.7	10.5	8.7 - 12.3	11.2	9.4 - 13.0
NRBC% (/100 WBC)	5.2	2.8 - 7.5	6.3	4.6 - 8.1	6.2	5.0 - 7.3
RET%	5.61	4.54 - 6.68	2.31	1.83 - 2.80	1.10	0.69 - 1.51
RET# (10 ⁶ /μL)	0.1287	0.1004 - 0.1571	0.0998	0.0809 - 0.1188	0.0560	0.0392 - 0.0728
IRF (%)	35.0	1.4 - 68.7	39.6	4.0 - 75.2	31.9	4.5 - 59.3
RET-He (pg)	25.0	21.5 - 28.5	25.9	22.6 - 29.3	27.7	23.6 - 31.9



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-09-13		Quality Control Data Due Date #1: 03-Aug-20		Quality Control Data Due Date #2: 13-Sep-20	
Lot Number:	01751101		01751102		01751103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.28	2.17 - 2.40	4.34	4.16 - 4.51	5.14	4.93 - 5.34
HGB (g/dL)	5.7	5.4 - 6.0	11.8	11.3 - 12.2	15.5	14.9 - 16.1
HCT (%)	16.7	15.5 - 17.8	33.9	31.9 - 35.9	44.0	41.3 - 46.6
MCV (fL)	73.1	68.7 - 77.5	78.1	73.5 - 82.8	85.6	80.5 - 90.8
MCH (pg)	25.0	23.0 - 27.0	27.1	25.2 - 29.0	30.2	28.4 - 32.0
MCHC (g/dL)	34.1	30.7 - 37.6	34.7	31.6 - 37.9	35.3	32.4 - 38.1
RDW-SD (fL)	53.5	50.3 - 56.7	47.3	44.4 - 50.1	47.9	44.0 - 51.7
RDW-CV (%)	20.3	19.1 - 21.6	16.9	15.9 - 17.9	15.5	14.2 - 16.7
PLT (10 ³ /μL)	97	60 - 134	250	222 - 277	516	470 - 563
MPV (fL)	8.7	7.3 - 10.1	9.4	8.7 - 10.0	9.2	8.8 - 9.7
WBC (10 ³ /μL)	3.17	2.85 - 3.49	7.38	6.86 - 7.90	17.37	16.32 - 18.41
NEUT# (10 ³ /μL)	1.12	0.92 - 1.33	2.81	2.42 - 3.21	6.99	6.08 - 7.90
LYMPH# (10 ³ /μL)	1.16	0.85 - 1.48	2.41	1.83 - 2.99	5.09	3.76 - 6.41
MONO# (10 ³ /μL)	0.32	0.14 - 0.51	0.74	0.37 - 1.10	1.78	0.98 - 2.58
EO# (10 ³ /μL)	0.28	0.17 - 0.38	0.68	0.43 - 0.94	1.74	1.08 - 2.41
BASO# (10 ³ /μL)	0.16	0.12 - 0.19	0.37	0.31 - 0.43	0.95	0.82 - 1.07
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.73	0.59 - 0.87	1.82	1.49 - 2.15
NEUT%	36.9	31.8 - 42.1	40.1	35.7 - 44.5	42.3	38.0 - 46.5
LYMPH%	38.2	28.7 - 47.8	34.3	26.8 - 41.9	30.7	23.1 - 38.4
MONO%	10.6	4.9 - 16.4	10.5	5.5 - 15.5	10.8	6.0 - 15.5
EO%	9.1	5.7 - 12.5	9.8	6.2 - 13.3	10.5	6.6 - 14.4
BASO%	5.1	4.1 - 6.1	5.3	4.6 - 6.0	5.7	5.0 - 6.4
IG (%)	9.6	7.8 - 11.4	10.4	8.6 - 12.2	11.0	9.2 - 12.8
RET%	6.47	5.24 - 7.70	2.59	2.04 - 3.13	1.12	0.71 - 1.53
RET# (10 ⁶ /μL)	0.1476	0.1151 - 0.1801	0.1121	0.0908 - 0.1334	0.0575	0.0403 - 0.0748
IRF (%)	26.0	1.0 - 51.0	29.0	2.9 - 55.1	25.3	3.5 - 47.1
RET-He (pg)	22.2	19.1 - 25.3	22.8	19.9 - 25.8	24.1	20.5 - 27.7



XN CHECK™

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

Expiration Date:	2020-09-13		Quality Control Data Due Date #1: 03-Aug-20		Quality Control Data Due Date #2: 13-Sep-20	
Lot Number:	01751101		01751102		01751103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.32	2.21 - 2.44	4.39	4.22 - 4.57	5.18	4.97 - 5.38
HGB (g/dL)	5.67	5.39 - 5.95	11.82	11.34 - 12.29	15.58	14.96 - 16.21
HCT (%)	16.6	15.4 - 17.7	33.4	31.4 - 35.4	43.2	40.6 - 45.8
MCV (fL)	71.4	67.1 - 75.7	76.0	71.5 - 80.6	83.4	78.4 - 88.4
MCH (pg)	24.4	22.5 - 26.4	26.9	25.0 - 28.8	30.1	28.3 - 31.9
MCHC (g/dL)	34.2	30.8 - 37.6	35.4	32.2 - 38.6	36.1	33.2 - 39.0
RDW-SD (fL)	50.1	47.1 - 53.1	46.0	43.2 - 48.7	48.2	44.4 - 52.1
RDW-CV (%)	19.8	18.6 - 21.0	17.1	16.1 - 18.1	16.3	15.0 - 17.6
PLT (10 ³ /μL)	96	59 - 132	250	223 - 278	513	467 - 559
PLT-F (10 ³ /μL)	85	62 - 108	249	182 - 317	490	377 - 602
IPF (%)	19.1	16.6 - 21.6	19.9	16.0 - 23.9	20.1	15.9 - 24.3
IPF#	16.2	14.1 - 18.3	47.3	37.9 - 56.8	95.9	75.7 - 116.0
MPV (fL)	9.8	8.3 - 11.4	10.6	9.9 - 11.4	10.4	9.9 - 11.0
WBC (10 ³ /μL)	2.93	2.63 - 3.22	6.66	6.19 - 7.12	15.69	14.75 - 16.64
NEUT# (10 ³ /μL)	1.13	0.92 - 1.33	2.85	2.45 - 3.25	7.14	6.21 - 8.06
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.32	2.09	1.59 - 2.59	4.40	3.26 - 5.54
MONO# (10 ³ /μL)	0.41	0.18 - 0.64	0.93	0.46 - 1.39	2.21	1.22 - 3.21
EO# (10 ³ /μL)	0.28	0.17 - 0.39	0.68	0.43 - 0.93	1.66	1.03 - 2.29
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.77	0.67 - 0.87
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.72	0.59 - 0.86	1.81	1.48 - 2.14
NRBC# (10 ³ /μL)	0.15	0.09 - 0.21	0.43	0.31 - 0.54	0.97	0.77 - 1.16
NEUT%	37.6	32.3 - 42.8	41.4	36.9 - 46.0	44.1	39.7 - 48.5
LYMPH%	34.7	26.0 - 43.4	30.4	23.7 - 37.1	27.2	20.4 - 34.0
MONO%	13.6	6.3 - 21.0	13.5	7.0 - 20.0	13.7	7.7 - 19.7
EO%	9.3	5.9 - 12.8	9.9	6.3 - 13.4	10.2	6.5 - 14.0
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.6	7.8 - 11.4	10.5	8.7 - 12.3	11.2	9.4 - 13.0
NRBC% (/100 WBC)	5.1	2.8 - 7.5	6.4	4.6 - 8.2	6.2	5.0 - 7.3
RET%	4.90	3.97 - 5.83	2.03	1.61 - 2.46	1.04	0.66 - 1.43
RET# (10 ⁶ /μL)	0.1137	0.0887 - 0.1387	0.0893	0.0724 - 0.1063	0.0540	0.0378 - 0.0702
IRF (%)	40.3	1.6 - 79.1	42.1	4.2 - 80.0	31.4	4.4 - 58.4
RET-He (pg)	23.9	20.6 - 27.3	24.9	21.7 - 28.1	27.1	23.0 - 31.2