



XN CHECK™

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

Expiration Date:	2020-05-24		Quality Control Data Due Date #1: 13-Apr-20		Quality Control Data Due Date #2: 24-May-20	
Lot Number:	00661101		00661102		00661103	
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	4.34	4.17 - 4.51	5.24	5.03 - 5.45
HGB (g/dL)	5.7	5.4 - 6.0	11.8	11.3 - 12.3	15.7	15.1 - 16.3
HCT (%)	17.1	15.9 - 18.3	34.5	32.4 - 36.6	44.8	42.1 - 47.5
MCV (fL)	74.0	69.6 - 78.4	79.5	74.7 - 84.3	85.5	80.4 - 90.6
MCH (pg)	24.7	22.7 - 26.7	27.2	25.3 - 29.1	30.0	28.2 - 31.8
MCHC (g/dL)	33.3	30.0 - 36.6	34.2	31.1 - 37.3	35.0	32.2 - 37.8
RDW-SD (fL)	47.9	45.0 - 50.8	48.4	45.5 - 51.3	53.4	49.1 - 57.7
RDW-CV (%)	18.2	17.1 - 19.3	16.8	15.8 - 17.8	17.4	16.0 - 18.8
PLT (10 ³ /μL)	89	55 - 123	250	223 - 278	550	501 - 600
PLT-F (10 ³ /μL)	78	57 - 99	251	183 - 319	515	397 - 633
IPF (%)	19.3	16.8 - 21.8	20.9	16.7 - 25.1	19.4	15.3 - 23.5
IPF#	15.0	13.1 - 17.0	49.9	39.9 - 59.9	97.4	76.9 - 117.9
MPV (fL)	8.9	7.5 - 10.3	9.9	9.2 - 10.6	9.7	9.2 - 10.2
WBC (10 ³ /μL)	2.88	2.59 - 3.17	6.75	6.28 - 7.22	16.17	15.20 - 17.14
NEUT# (10 ³ /μL)	1.07	0.88 - 1.26	3.04	2.61 - 3.47	7.56	6.58 - 8.54
LYMPH# (10 ³ /μL)	1.08	0.79 - 1.37	1.98	1.50 - 2.46	4.14	3.06 - 5.22
MONO# (10 ³ /μL)	0.40	0.18 - 0.62	0.93	0.47 - 1.40	2.27	1.25 - 3.29
EO# (10 ³ /μL)	0.25	0.16 - 0.35	0.72	0.45 - 0.99	1.90	1.18 - 2.62
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.39	0.82	0.71 - 0.93
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.77	0.62 - 0.92	1.90	1.56 - 2.24
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.08	0.86 - 1.30
NEUT%	36.4	31.3 - 41.5	43.4	38.6 - 48.2	45.3	40.8 - 49.8
LYMPH%	36.7	27.5 - 45.9	28.3	22.1 - 34.5	24.8	18.6 - 31.0
MONO%	13.4	6.2 - 20.6	13.3	6.9 - 19.7	13.6	7.6 - 19.6
EO%	8.6	5.4 - 11.8	10.2	6.5 - 13.9	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.4	4.9	4.3 - 5.5
IG (%)	9.4	7.6 - 11.2	11.0	9.1 - 12.9	11.4	9.6 - 13.2
NRBC% (/100 WBC)	4.6	2.5 - 6.7	5.9	4.2 - 7.6	6.5	5.3 - 7.7
RET%	5.13	4.16 - 6.10	2.21	1.75 - 2.67	0.88	0.55 - 1.21
RET# (10 ⁶ /μL)	0.1185	0.0924 - 0.1446	0.0959	0.0777 - 0.1141	0.0461	0.0323 - 0.0599
IRF (%)	35.8	1.4 - 70.2	40.4	4.0 - 76.8	31.6	4.4 - 58.8
RET-He (pg)	24.2	20.8 - 27.6	25.1	21.8 - 28.4	27.0	23.0 - 31.1



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HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-05-24		Quality Control Data Due Date #1: 13-Apr-20		Quality Control Data Due Date #2: 24-May-20	
Lot Number:	00661101		00661102		00661103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.30	2.19 - 2.42	4.36	4.19 - 4.53	5.30	5.09 - 5.51
HGB (g/dL)	5.7	5.4 - 6.0	11.8	11.3 - 12.3	15.7	15.1 - 16.3
HCT (%)	17.1	15.9 - 18.3	34.5	32.4 - 36.6	44.9	42.2 - 47.6
MCV (fL)	74.3	69.8 - 78.8	79.1	74.4 - 83.8	84.7	79.6 - 89.8
MCH (pg)	24.8	22.8 - 26.8	27.1	25.2 - 29.0	29.6	27.8 - 31.4
MCHC (g/dL)	33.3	30.0 - 36.6	34.2	31.1 - 37.3	35.0	32.2 - 37.8
RDW-SD (fL)	48.1	45.2 - 51.0	47.3	44.5 - 50.1	51.7	47.6 - 55.8
RDW-CV (%)	18.4	17.3 - 19.5	16.7	15.7 - 17.7	17.3	15.9 - 18.7
PLT (10 ³ /μL)	91	56 - 126	254	226 - 282	559	509 - 609
MPV (fL)	8.7	7.3 - 10.1	9.7	9.0 - 10.4	9.4	8.9 - 9.9
WBC (10 ³ /μL)	3.09	2.78 - 3.40	7.40	6.88 - 7.92	17.78	16.71 - 18.85
NEUT# (10 ³ /μL)	1.06	0.87 - 1.25	2.96	2.55 - 3.37	7.47	6.50 - 8.44
LYMPH# (10 ³ /μL)	1.20	0.88 - 1.52	2.22	1.69 - 2.75	4.69	3.47 - 5.91
MONO# (10 ³ /μL)	0.31	0.14 - 0.48	0.76	0.38 - 1.14	1.93	1.06 - 2.80
EO# (10 ³ /μL)	0.26	0.16 - 0.36	0.73	0.46 - 1.00	1.83	1.13 - 2.53
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.40	0.34 - 0.46	1.02	0.89 - 1.15
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.77	0.62 - 0.92	1.95	1.60 - 2.30
NEUT%	35.7	30.7 - 40.7	41.9	37.3 - 46.5	44.1	39.7 - 48.5
LYMPH%	40.4	30.3 - 50.5	31.4	24.5 - 38.3	27.7	20.8 - 34.6
MONO%	10.5	4.8 - 16.2	10.7	5.6 - 15.8	11.4	6.4 - 16.4
EO%	8.7	5.5 - 11.9	10.3	6.6 - 14.0	10.8	6.8 - 14.8
BASO%	4.8	3.9 - 5.7	5.7	5.0 - 6.4	6.0	5.3 - 6.7
IG (%)	9.3	7.5 - 11.1	10.9	9.0 - 12.8	11.5	9.7 - 13.3
RET%	5.97	4.84 - 7.10	2.41	1.90 - 2.92	0.88	0.55 - 1.21
RET# (10 ⁶ /μL)	0.1373	0.1071 - 0.1675	0.1051	0.0851 - 0.1251	0.0466	0.0326 - 0.0606
IRF (%)	29.8	1.2 - 58.4	32.2	3.2 - 61.2	27.2	3.8 - 50.6
RET-He (pg)	21.9	18.8 - 25.0	22.6	19.7 - 25.5	24.3	20.7 - 27.9



XN CHECK™

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

Expiration Date:	2020-05-24		Quality Control Data Due Date #1: 13-Apr-20		Quality Control Data Due Date #2: 24-May-20	
Lot Number:	00661101		00661102		00661103	
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	4.39	4.21 - 4.57	5.33	5.12 - 5.54
HGB (g/dL)	5.65	5.37 - 5.93	11.82	11.35 - 12.29	15.79	15.16 - 16.42
HCT (%)	16.7	15.5 - 17.9	33.5	31.5 - 35.5	43.9	41.3 - 46.5
MCV (fL)	71.7	67.4 - 76.0	76.3	71.7 - 80.9	82.4	77.5 - 87.3
MCH (pg)	24.2	22.3 - 26.1	26.9	25.0 - 28.8	29.6	27.8 - 31.4
MCHC (g/dL)	33.8	30.4 - 37.2	35.3	32.1 - 38.5	36.0	33.1 - 38.9
RDW-SD (fL)	46.1	43.3 - 48.9	46.3	43.5 - 49.1	52.0	47.8 - 56.2
RDW-CV (%)	18.3	17.2 - 19.4	17.1	16.1 - 18.1	18.3	16.8 - 19.8
PLT (10 ³ /μL)	91	56 - 126	250	223 - 278	556	506 - 606
PLT-F (10 ³ /μL)	79	58 - 100	249	182 - 316	520	400 - 640
IPF (%)	19.2	16.7 - 21.7	19.6	15.7 - 23.5	20.1	15.9 - 24.3
IPF#	15.1	13.1 - 17.1	46.4	37.1 - 55.7	101.9	80.5 - 123.3
MPV (fL)	9.8	8.2 - 11.4	10.9	10.1 - 11.7	10.7	10.2 - 11.2
WBC (10 ³ /μL)	2.89	2.60 - 3.18	6.73	6.26 - 7.20	16.15	15.18 - 17.12
NEUT# (10 ³ /μL)	1.08	0.89 - 1.27	3.02	2.60 - 3.44	7.62	6.63 - 8.61
LYMPH# (10 ³ /μL)	1.07	0.78 - 1.36	1.97	1.50 - 2.44	4.08	3.02 - 5.14
MONO# (10 ³ /μL)	0.40	0.18 - 0.62	0.92	0.46 - 1.38	2.31	1.27 - 3.35
EO# (10 ³ /μL)	0.26	0.16 - 0.36	0.70	0.44 - 0.96	1.83	1.13 - 2.53
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.33	0.28 - 0.38	0.80	0.70 - 0.90
IG # (10 ³ /μL)	0.28	0.22 - 0.34	0.76	0.62 - 0.90	1.93	1.58 - 2.28
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.05	0.84 - 1.26
NEUT%	36.7	31.6 - 41.8	43.5	38.7 - 48.3	45.8	41.2 - 50.4
LYMPH%	36.4	27.3 - 45.5	28.4	22.2 - 34.6	24.5	18.4 - 30.6
MONO%	13.5	6.2 - 20.8	13.3	6.9 - 19.7	13.9	7.8 - 20.0
EO%	8.7	5.5 - 11.9	10.1	6.5 - 13.7	11.0	6.9 - 15.1
BASO%	4.7	3.8 - 5.6	4.8	4.2 - 5.4	4.8	4.2 - 5.4
IG (%)	9.5	7.7 - 11.3	11.0	9.1 - 12.9	11.6	9.7 - 13.5
NRBC% (/100 WBC)	4.6	2.5 - 6.7	5.9	4.2 - 7.6	6.3	5.1 - 7.5
RET%	4.52	3.66 - 5.38	1.97	1.56 - 2.38	0.87	0.55 - 1.19
RET# (10 ⁶ /μL)	0.1053	0.0821 - 0.1285	0.0865	0.0701 - 0.1029	0.0464	0.0325 - 0.0603
IRF (%)	41.8	1.7 - 81.9	44.1	4.4 - 83.8	30.4	4.3 - 56.5
RET-He (pg)	23.4	20.1 - 26.7	24.5	21.3 - 27.7	27.1	23.0 - 31.2