



# XN CHECK™

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

Expiration Date:	2020-07-19		Quality Control Data Due Date #1: 08-Jun-20		Quality Control Data Due Date #2: 19-Jul-20	
Lot Number:	01221101		01221102		01221103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 <sup>6</sup> /μL)	2.27	2.16 - 2.39	4.32	4.14 - 4.49	5.19	4.99 - 5.40
HGB (g/dL)	5.6	5.4 - 5.9	11.6	11.1 - 12.1	15.4	14.8 - 16.0
HCT (%)	16.8	15.6 - 18.0	33.8	31.8 - 35.8	44.0	41.3 - 46.6
MCV (fL)	73.8	69.4 - 78.3	78.3	73.6 - 83.0	84.6	79.6 - 89.7
MCH (pg)	24.8	22.8 - 26.8	26.9	25.0 - 28.8	29.7	27.9 - 31.5
MCHC (g/dL)	33.6	30.2 - 36.9	34.3	31.2 - 37.4	35.1	32.3 - 37.9
RDW-SD (fL)	47.2	44.4 - 50.0	49.4	46.4 - 52.3	47.3	43.5 - 51.1
RDW-CV (%)	18.1	17.0 - 19.2	17.6	16.6 - 18.7	15.5	14.3 - 16.8
PLT (10 <sup>3</sup> /μL)	96	59 - 132	250	223 - 278	568	517 - 619
PLT-F (10 <sup>3</sup> /μL)	85	62 - 108	255	186 - 324	542	418 - 667
IPF (%)	19.0	16.5 - 21.5	19.7	15.7 - 23.6	19.7	15.5 - 23.8
IPF#	16.2	14.1 - 18.3	47.8	38.3 - 57.4	104.1	82.2 - 125.9
MPV (fL)	9.1	7.6 - 10.5	9.0	8.4 - 9.7	8.9	8.4 - 9.3
WBC (10 <sup>3</sup> /μL)	2.89	2.60 - 3.18	6.80	6.33 - 7.28	15.76	14.82 - 16.71
NEUT# (10 <sup>3</sup> /μL)	1.11	0.91 - 1.31	3.11	2.68 - 3.55	7.49	6.51 - 8.46
LYMPH# (10 <sup>3</sup> /μL)	1.02	0.75 - 1.30	1.99	1.51 - 2.46	4.14	3.06 - 5.21
MONO# (10 <sup>3</sup> /μL)	0.42	0.18 - 0.65	0.88	0.44 - 1.32	2.06	1.13 - 2.98
EO# (10 <sup>3</sup> /μL)	0.27	0.17 - 0.37	0.71	0.45 - 0.98	1.74	1.08 - 2.40
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.40	0.79	0.69 - 0.89
IG # (10 <sup>3</sup> /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.94	1.90	1.56 - 2.24
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.06	0.84 - 1.27
NEUT%	37.5	32.3 - 42.8	44.3	39.4 - 49.1	46.2	41.6 - 50.8
LYMPH%	34.5	25.9 - 43.2	28.2	22.0 - 34.5	25.5	19.1 - 31.9
MONO%	14.1	6.5 - 21.7	12.5	6.5 - 18.5	12.7	7.1 - 18.3
EO%	9.0	5.7 - 12.4	10.1	6.5 - 13.8	10.7	6.8 - 14.7
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.9	4.3 - 5.4
IG (%)	9.7	7.8 - 11.5	11.2	9.3 - 13.1	11.7	9.8 - 13.6
NRBC% (/100 WBC)	4.9	2.6 - 7.1	6.0	4.3 - 7.7	6.7	5.4 - 8.0
RET%	5.76	4.67 - 6.85	2.15	1.70 - 2.60	1.00	0.63 - 1.37
RET# (10 <sup>6</sup> /μL)	0.1310	0.1022 - 0.1598	0.0929	0.0753 - 0.1106	0.0518	0.0363 - 0.0673
IRF (%)	38.6	1.5 - 75.6	42.2	4.2 - 80.3	32.9	4.6 - 61.1
RET-He (pg)	24.7	21.2 - 28.1	25.6	22.3 - 29.0	27.2	23.1 - 31.3



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2020-07-19		Quality Control Data Due Date #1: 08-Jun-20		Quality Control Data Due Date #2: 19-Jul-20	
Lot Number:	01221101		01221102		01221103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 <sup>6</sup> /μL)	2.28	2.17 - 2.40	4.35	4.18 - 4.53	5.23	5.02 - 5.44
HGB (g/dL)	5.7	5.4 - 6.0	11.7	11.2 - 12.2	15.5	14.9 - 16.1
HCT (%)	16.9	15.7 - 18.0	33.9	31.9 - 36.0	44.1	41.5 - 46.8
MCV (fL)	73.8	69.4 - 78.3	78.0	73.3 - 82.6	84.3	79.2 - 89.3
MCH (pg)	24.9	22.9 - 26.9	26.9	25.0 - 28.7	29.6	27.8 - 31.3
MCHC (g/dL)	33.7	30.4 - 37.1	34.4	31.3 - 37.5	35.1	32.3 - 37.9
RDW-SD (fL)	47.6	44.8 - 50.5	48.7	45.8 - 51.6	46.2	42.5 - 49.8
RDW-CV (%)	18.2	17.1 - 19.3	17.5	16.4 - 18.5	15.3	14.1 - 16.5
PLT (10 <sup>3</sup> /μL)	99	61 - 136	251	224 - 279	569	518 - 620
MPV (fL)	9.0	7.5 - 10.4	8.9	8.3 - 9.5	8.7	8.3 - 9.2
WBC (10 <sup>3</sup> /μL)	3.13	2.82 - 3.45	7.49	6.97 - 8.02	17.57	16.52 - 18.63
NEUT# (10 <sup>3</sup> /μL)	1.10	0.90 - 1.29	3.05	2.62 - 3.47	7.42	6.46 - 8.39
LYMPH# (10 <sup>3</sup> /μL)	1.15	0.84 - 1.46	2.24	1.70 - 2.78	4.64	3.43 - 5.85
MONO# (10 <sup>3</sup> /μL)	0.34	0.15 - 0.54	0.72	0.36 - 1.08	1.82	1.00 - 2.63
EO# (10 <sup>3</sup> /μL)	0.27	0.17 - 0.37	0.73	0.46 - 1.00	1.80	1.12 - 2.49
BASO# (10 <sup>3</sup> /μL)	0.15	0.11 - 0.19	0.41	0.35 - 0.48	1.01	0.88 - 1.14
IG # (10 <sup>3</sup> /μL)	0.28	0.22 - 0.34	0.80	0.64 - 0.95	1.93	1.58 - 2.28
NEUT%	36.5	31.4 - 41.6	42.6	37.9 - 47.3	44.5	40.0 - 48.9
LYMPH%	38.2	28.7 - 47.8	31.3	24.4 - 38.2	27.8	20.9 - 34.8
MONO%	11.4	5.3 - 17.6	10.1	5.2 - 14.9	10.9	6.1 - 15.7
EO%	8.9	5.6 - 12.2	10.2	6.6 - 13.9	10.8	6.8 - 14.8
BASO%	4.9	4.0 - 5.9	5.8	5.0 - 6.5	6.1	5.3 - 6.8
IG (%)	9.5	7.7 - 11.3	11.1	9.2 - 13.0	11.6	9.7 - 13.4
RET%	6.50	5.27 - 7.74	2.37	1.88 - 2.87	0.97	0.61 - 1.33
RET# (10 <sup>6</sup> /μL)	0.1485	0.1158 - 0.1811	0.1034	0.0837 - 0.1230	0.0510	0.0357 - 0.0663
IRF (%)	31.7	1.3 - 62.1	35.3	3.5 - 67.1	28.7	4.0 - 53.4
RET-He (pg)	22.2	19.1 - 25.4	23.1	20.1 - 26.0	24.3	20.6 - 27.9



# XN CHECK™

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

Expiration Date:	<b>2020-07-19</b>		Quality Control Data Due Date #1: 08-Jun-20		Quality Control Data Due Date #2: 19-Jul-20	
Lot Number:	01221101		01221102		01221103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 <sup>9</sup> /μL)	2.31	2.20 - 2.43	4.39	4.21 - 4.56	5.28	5.07 - 5.49
HGB (g/dL)	5.64	5.36 - 5.93	11.72	11.25 - 12.19	15.61	14.99 - 16.23
HCT (%)	16.6	15.4 - 17.8	33.2	31.2 - 35.2	43.2	40.6 - 45.8
MCV (fL)	71.7	67.4 - 76.0	75.6	71.1 - 80.2	81.8	76.9 - 86.8
MCH (pg)	24.4	22.4 - 26.3	26.7	24.8 - 28.6	29.6	27.8 - 31.3
MCHC (g/dL)	34.0	30.6 - 37.4	35.3	32.1 - 38.5	36.1	33.2 - 39.0
RDW-SD (fL)	45.4	42.7 - 48.1	47.6	44.7 - 50.4	46.3	42.6 - 50.0
RDW-CV (%)	18.0	16.9 - 19.0	17.8	16.8 - 18.9	16.1	14.8 - 17.4
PLT (10 <sup>3</sup> /μL)	98	61 - 135	250	223 - 278	570	518 - 621
PLT-F (10 <sup>3</sup> /μL)	86	63 - 110	251	183 - 319	540	416 - 665
IPF (%)	19.1	16.6 - 21.5	19.8	15.8 - 23.7	20.2	16.0 - 24.5
IPF#	16.5	14.3 - 18.6	47.3	37.9 - 56.8	106.6	84.2 - 129.0
MPV (fL)	10.2	8.6 - 11.8	10.0	9.3 - 10.7	9.9	9.4 - 10.3
WBC (10 <sup>3</sup> /μL)	2.90	2.61 - 3.19	6.76	6.29 - 7.24	15.81	14.86 - 16.76
NEUT# (10 <sup>3</sup> /μL)	1.11	0.91 - 1.32	3.11	2.67 - 3.54	7.46	6.49 - 8.43
LYMPH# (10 <sup>3</sup> /μL)	1.02	0.75 - 1.30	1.98	1.50 - 2.45	4.03	2.99 - 5.08
MONO# (10 <sup>3</sup> /μL)	0.43	0.19 - 0.67	0.88	0.44 - 1.32	2.15	1.18 - 3.12
EO# (10 <sup>3</sup> /μL)	0.27	0.17 - 0.38	0.72	0.45 - 0.98	1.74	1.08 - 2.41
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.34	0.28 - 0.39	0.78	0.68 - 0.88
IG # (10 <sup>3</sup> /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.93	1.86	1.53 - 2.20
NRBC# (10 <sup>3</sup> /μL)	0.14	0.08 - 0.20	0.41	0.30 - 0.52	1.06	0.85 - 1.27
NEUT%	37.3	32.1 - 42.6	44.3	39.4 - 49.1	46.2	41.5 - 50.8
LYMPH%	34.3	25.7 - 42.9	28.2	22.0 - 34.4	25.0	18.7 - 31.2
MONO%	14.4	6.6 - 22.2	12.5	6.5 - 18.6	13.3	7.5 - 19.2
EO%	9.1	5.7 - 12.5	10.2	6.5 - 13.9	10.8	6.8 - 14.8
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	11.2	9.3 - 13.1	11.5	9.7 - 13.4
NRBC% (/100 WBC)	4.8	2.6 - 6.9	6.0	4.3 - 7.7	6.7	5.4 - 8.0
RET%	4.80	3.89 - 5.71	1.86	1.47 - 2.25	0.89	0.56 - 1.21
RET# (10 <sup>6</sup> /μL)	0.1110	0.0865 - 0.1354	0.0815	0.0660 - 0.0970	0.0468	0.0328 - 0.0609
IRF (%)	43.1	1.7 - 84.5	44.0	4.4 - 83.5	31.3	4.4 - 58.2
RET-He (pg)	23.8	20.4 - 27.1	24.8	21.6 - 28.0	26.8	22.8 - 30.8