



# XN CHECK™

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

Expiration Date:	2021-12-05			Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12561101		12561102		12561103		
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)	2.40	2.28 - 2.52	4.26	4.09 - 4.43	4.96	4.76 - 5.15	
HGB (g/dL)	5.6	5.3 - 5.8	12.2	11.7 - 12.7	15.6	15.0 - 16.2	
HCT (%)	16.8	15.7 - 18.0	35.0	32.9 - 37.1	43.9	41.2 - 46.5	
MCV (fL)	70.3	66.1 - 74.5	82.3	77.4 - 87.3	88.5	83.2 - 93.8	
MCH (pg)	23.2	21.3 - 25.1	28.6	26.6 - 30.6	31.4	29.6 - 33.3	
MCHC (g/dL)	33.0	29.7 - 36.3	34.7	31.6 - 37.8	35.5	32.7 - 38.4	
RDW-SD (fL)	50.8	47.8 - 53.9	49.3	46.4 - 52.3	46.7	42.9 - 50.4	
RDW-CV (%)	20.4	19.1 - 21.6	16.8	15.8 - 17.8	14.7	13.6 - 15.9	
PLT (10 <sup>3</sup> /μL)	89	55 - 123	251	223 - 278	560	510 - 611	
PLT-F (10 <sup>3</sup> /μL)	85	62 - 108	259	189 - 328	539	415 - 663	
IPF (%)	18.9	16.5 - 21.4	19.6	15.7 - 23.6	19.9	15.7 - 24.1	
IPF#	15.2	13.2 - 17.1	48.4	38.7 - 58.1	104.8	82.8 - 126.9	
MPV (fL)	8.3	7.0 - 9.7	9.6	8.9 - 10.3	9.4	9.0 - 9.9	
WBC (10 <sup>3</sup> /μL)	3.03	2.73 - 3.33	7.28	6.77 - 7.79	16.75	15.74 - 17.75	
NEUT# (10 <sup>3</sup> /μL)	1.15	0.94 - 1.35	3.20	2.76 - 3.65	7.88	6.86 - 8.91	
LYMPH# (10 <sup>3</sup> /μL)	1.06	0.78 - 1.35	2.11	1.60 - 2.61	4.27	3.16 - 5.39	
MONO# (10 <sup>3</sup> /μL)	0.40	0.18 - 0.63	0.84	0.42 - 1.27	1.79	0.99 - 2.60	
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.38	0.77	0.49 - 1.05	2.00	1.24 - 2.76	
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.41	0.81	0.70 - 0.91	
IG # (10 <sup>3</sup> /μL)	0.30	0.23 - 0.36	0.82	0.66 - 0.98	1.99	1.63 - 2.35	
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.44	0.32 - 0.56	1.14	0.91 - 1.36	
NEUT%	37.8	32.5 - 43.1	44.0	39.2 - 48.9	47.1	42.3 - 51.8	
LYMPH%	35.0	26.3 - 43.8	29.0	22.6 - 35.3	25.5	19.1 - 31.9	
MONO%	13.3	6.1 - 20.5	11.6	6.0 - 17.2	10.7	6.0 - 15.4	
EO%	9.1	5.7 - 12.4	10.6	6.8 - 14.4	11.9	7.5 - 16.3	
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4	
IG (%)	9.8	7.9 - 11.6	11.3	9.3 - 13.2	11.9	10.0 - 13.8	
NRBC% (/100 WBC)	4.9	2.7 - 7.2	6.1	4.4 - 7.8	6.8	5.5 - 8.1	
RET%	5.75	4.66 - 6.85	2.60	2.05 - 3.15	1.48	0.93 - 2.02	
RET# (10 <sup>6</sup> /μL)	0.1379	0.1075 - 0.1682	0.1107	0.0896 - 0.1317	0.0731	0.0512 - 0.0950	
IRF (%)	47.9	1.9 - 93.9	47.5	4.8 - 90.3	42.4	5.9 - 78.8	
RET-He (pg)	23.9	20.6 - 27.3	25.2	21.9 - 28.5	26.5	22.5 - 30.5	



# XN CHECK™

## HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2021-12-05			Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12561101		12561102		12561103		
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)	2.40	2.28 - 2.52	4.29	4.12 - 4.46	5.02	4.82 - 5.22	
HGB (g/dL)	5.6	5.3 - 5.9	12.2	11.7 - 12.7	15.6	15.0 - 16.3	
HCT (%)	16.9	15.7 - 18.0	35.1	33.0 - 37.2	44.2	41.6 - 46.9	
MCV (fL)	70.1	65.9 - 74.4	81.9	77.0 - 86.8	88.1	82.8 - 93.4	
MCH (pg)	23.3	21.5 - 25.2	28.5	26.5 - 30.5	31.1	29.3 - 33.0	
MCHC (g/dL)	33.3	29.9 - 36.6	34.8	31.7 - 37.9	35.3	32.5 - 38.1	
RDW-SD (fL)	51.1	48.1 - 54.2	49.2	46.2 - 52.1	46.0	42.3 - 49.7	
RDW-CV (%)	20.4	19.1 - 21.6	16.5	15.5 - 17.5	14.3	13.2 - 15.5	
PLT (10 <sup>3</sup> /μL)	90	63 - 117	252	217 - 288	570	508 - 633	
MPV (fL)	8.2	7.2 - 9.3	9.4	8.7 - 10.2	9.2	8.6 - 9.9	
WBC (10 <sup>3</sup> /μL)	3.28	2.85 - 3.70	8.01	7.21 - 8.81	18.55	17.06 - 20.03	
NEUT# (10 <sup>3</sup> /μL)	1.16	0.95 - 1.37	3.22	2.77 - 3.67	8.04	7.00 - 9.09	
LYMPH# (10 <sup>3</sup> /μL)	1.21	0.88 - 1.53	2.37	1.80 - 2.94	4.78	3.54 - 6.02	
MONO# (10 <sup>3</sup> /μL)	0.33	0.15 - 0.52	0.80	0.40 - 1.19	1.75	0.96 - 2.53	
EO# (10 <sup>3</sup> /μL)	0.29	0.18 - 0.39	0.79	0.50 - 1.08	1.89	1.17 - 2.61	
BASO# (10 <sup>3</sup> /μL)	0.16	0.10 - 0.22	0.44	0.30 - 0.59	1.10	0.77 - 1.43	
IG # (10 <sup>3</sup> /μL)	0.31	0.23 - 0.38	0.84	0.67 - 1.00	2.10	1.70 - 2.49	
NEUT%	36.9	31.8 - 42.1	42.3	37.6 - 46.9	45.8	41.2 - 50.4	
LYMPH%	38.4	28.8 - 48.0	31.1	24.3 - 38.0	27.2	20.4 - 34.0	
MONO%	10.5	4.8 - 16.2	10.4	5.4 - 15.5	10.0	5.6 - 14.3	
EO%	9.1	5.7 - 12.5	10.4	6.6 - 14.1	10.8	6.8 - 14.7	
BASO%	5.0	3.3 - 6.8	5.8	4.1 - 7.6	6.3	4.5 - 8.1	
IG (%)	9.7	7.7 - 11.8	11.0	8.8 - 13.2	11.9	9.9 - 14.0	
RET%	6.74	4.99 - 8.50	2.77	2.05 - 3.49	1.52	1.00 - 2.04	
RET# (10 <sup>6</sup> /μL)	0.1620	0.1183 - 0.2058	0.1189	0.0892 - 0.1486	0.0763	0.0496 - 0.1030	
IRF (%)	40.2	1.6 - 78.8	42.9	4.3 - 81.6	37.6	5.3 - 70.0	
RET-He (pg)	22.2	19.1 - 25.3	23.2	20.2 - 26.2	24.1	20.5 - 27.7	



# XN CHECK™

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

Expiration Date:	<b>2021-12-05</b>		Quality Control Data Due Date #1: 25-Oct-21		Quality Control Data Due Date #2: 05-Dec-21	
Lot Number:	12561101		12561102		12561103	
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)	2.44	2.32 - 2.57	4.33	4.16 - 4.51	5.04	4.84 - 5.24
HGB (g/dL)	5.59	5.31 - 5.87	12.28	11.78 - 12.77	15.74	15.11 - 16.37
HCT (%)	16.5	15.4 - 17.7	34.3	32.2 - 36.3	43.0	40.4 - 45.5
MCV (fL)	67.7	63.7 - 71.8	79.1	74.3 - 83.8	85.2	80.1 - 90.3
MCH (pg)	22.9	21.1 - 24.7	28.3	26.3 - 30.3	31.2	29.4 - 33.1
MCHC (g/dL)	33.8	30.4 - 37.2	35.8	32.6 - 39.0	36.6	33.7 - 39.6
RDW-SD (fL)	48.5	45.6 - 51.4	47.0	44.2 - 49.8	44.9	41.3 - 48.5
RDW-CV (%)	20.3	19.1 - 21.6	16.7	15.7 - 17.7	14.8	13.6 - 16.0
PLT (10 <sup>3</sup> /μL)	94	58 - 130	254	226 - 282	570	518 - 621
PLT-F (10 <sup>3</sup> /μL)	83	61 - 106	261	191 - 332	550	423 - 676
IPF (%)	19.2	16.7 - 21.7	20.0	16.0 - 24.1	20.2	16.0 - 24.5
IPF#	16.0	13.9 - 18.1	49.9	39.9 - 59.9	108.5	85.7 - 131.3
MPV (fL)	9.4	7.9 - 10.8	10.6	9.9 - 11.4	10.4	9.9 - 11.0
WBC (10 <sup>3</sup> /μL)	3.02	2.72 - 3.32	7.23	6.73 - 7.74	16.66	15.66 - 17.66
NEUT# (10 <sup>3</sup> /μL)	1.15	0.94 - 1.35	3.18	2.73 - 3.62	7.92	6.89 - 8.95
LYMPH# (10 <sup>3</sup> /μL)	1.04	0.76 - 1.32	2.03	1.54 - 2.52	4.12	3.05 - 5.20
MONO# (10 <sup>3</sup> /μL)	0.42	0.18 - 0.65	0.91	0.45 - 1.36	1.91	1.05 - 2.77
EO# (10 <sup>3</sup> /μL)	0.28	0.17 - 0.38	0.77	0.48 - 1.05	1.90	1.18 - 2.62
BASO# (10 <sup>3</sup> /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.41	0.80	0.70 - 0.91
IG # (10 <sup>3</sup> /μL)	0.30	0.23 - 0.36	0.81	0.65 - 0.96	2.00	1.64 - 2.37
NRBC# (10 <sup>3</sup> /μL)	0.15	0.09 - 0.21	0.45	0.33 - 0.57	1.13	0.91 - 1.36
NEUT%	37.9	32.6 - 43.2	43.9	39.1 - 48.8	47.6	42.8 - 52.3
LYMPH%	34.4	25.8 - 43.0	28.1	21.9 - 34.3	24.8	18.6 - 30.9
MONO%	13.8	6.3 - 21.2	12.6	6.5 - 18.6	11.5	6.4 - 16.5
EO%	9.1	5.8 - 12.5	10.6	6.8 - 14.4	11.4	7.2 - 15.6
BASO%	4.8	3.9 - 5.7	4.9	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	9.8	7.9 - 11.7	11.2	9.3 - 13.1	12.0	10.1 - 14.0
NRBC% (/100 WBC)	5.0	2.7 - 7.3	6.2	4.5 - 7.9	6.8	5.5 - 8.1
RET%	4.97	4.03 - 5.92	2.23	1.76 - 2.70	1.28	0.81 - 1.76
RET# (10 <sup>6</sup> /μL)	0.1215	0.0948 - 0.1483	0.0966	0.0782 - 0.1149	0.0647	0.0453 - 0.0841
IRF (%)	50.4	2.0 - 98.8	49.8	5.0 - 94.6	42.4	5.9 - 78.8
RET-He (pg)	23.7	20.4 - 27.0	24.9	21.7 - 28.2	26.5	22.5 - 30.5