



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:	00641101		00641102		00641103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁶ /μL)	2.33	2.21 - 2.45	4.36	4.19 - 4.53	5.33	5.12 - 5.54
HGB (g/dL)	5.8	5.5 - 6.1	11.8	11.3 - 12.3	15.9	15.3 - 16.5
HCT (%)	17.5	16.3 - 18.7	34.9	32.8 - 37.0	46.0	43.2 - 48.8
MCV (fL)	75.1	70.6 - 79.6	80.0	75.2 - 84.8	86.3	81.1 - 91.5
MCH (pg)	24.9	22.9 - 26.9	27.1	25.2 - 29.0	29.8	28.0 - 31.6
MCHC (g/dL)	33.1	29.8 - 36.4	33.8	30.8 - 36.8	34.6	31.8 - 37.4
RDW-SD (fL)	48.9	46.0 - 51.8	51.7	48.6 - 54.8	48.4	44.5 - 52.3
RDW-CV (%)	18.2	17.1 - 19.3	18.0	16.9 - 19.1	15.5	14.3 - 16.7
PLT (10 ³ /μL)	92	57 - 127	242	215 - 269	556	506 - 606
PLT-F (10 ³ /μL)	81	59 - 103	250	183 - 318	530	408 - 652
IPF (%)	19.4	16.9 - 21.9	20.5	16.4 - 24.6	20.8	16.4 - 25.2
IPF#	15.6	13.6 - 17.6	48.7	39.0 - 58.4	107.4	84.8 - 130.0
MPV (fL)	9.0	7.6 - 10.4	9.2	8.6 - 9.8	9.0	8.6 - 9.5
WBC (10 ³ /μL)	2.94	2.65 - 3.23	6.98	6.49 - 7.47	15.81	14.86 - 16.76
NEUT# (10 ³ /μL)	1.15	0.94 - 1.36	3.11	2.67 - 3.55	7.47	6.50 - 8.44
LYMPH# (10 ³ /μL)	1.03	0.75 - 1.31	2.01	1.53 - 2.49	4.12	3.05 - 5.19
MONO# (10 ³ /μL)	0.42	0.18 - 0.66	0.99	0.50 - 1.49	2.05	1.13 - 2.97
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.73	0.46 - 1.00	1.76	1.09 - 2.43
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.34	0.29 - 0.39	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.30	0.24 - 0.36	0.79	0.64 - 0.94	1.88	1.54 - 2.22
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.45	0.33 - 0.57	1.10	0.88 - 1.32
NEUT%	38.0	32.7 - 43.3	43.3	38.5 - 48.1	46.2	41.6 - 50.8
LYMPH%	34.2	25.7 - 42.8	28.0	21.8 - 34.2	25.5	19.1 - 31.9
MONO%	13.9	6.4 - 21.4	13.8	7.2 - 20.4	12.7	7.1 - 18.3
EO%	9.1	5.7 - 12.5	10.1	6.5 - 13.7	10.9	6.9 - 14.9
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	11.0	9.1 - 12.9	11.6	9.7 - 13.5
NRBC% (/100 WBC)	5.2	2.8 - 7.6	6.3	4.5 - 8.1	6.8	5.5 - 8.1
RET%	5.18	4.20 - 6.16	2.06	1.63 - 2.49	0.92	0.58 - 1.26
RET# (10 ⁶ /μL)	0.1207	0.0941 - 0.1473	0.0898	0.0727 - 0.1069	0.0490	0.0343 - 0.0637
IRF (%)	33.9	1.4 - 66.4	39.4	3.9 - 74.9	30.3	4.2 - 56.4
RET-He (pg)	23.9	20.6 - 27.2	24.9	21.7 - 28.1	26.7	22.7 - 30.7



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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:	00641101		00641102		00641103	
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	2.20 - 2.44	4.37	4.20 - 4.54	5.38	5.16 - 5.60
HGB (g/dL)	5.8	5.5 - 6.1	11.8	11.3 - 12.3	16.0	15.4 - 16.6
HCT (%)	17.3	16.1 - 18.5	34.5	32.4 - 36.6	45.6	42.9 - 48.3
MCV (fL)	74.6	70.1 - 79.1	78.9	74.2 - 83.6	84.8	79.7 - 89.9
MCH (pg)	25.0	23.0 - 27.0	27.0	25.1 - 28.9	29.7	27.9 - 31.5
MCHC (g/dL)	33.5	30.2 - 36.9	34.2	31.1 - 37.3	35.1	32.3 - 37.9
RDW-SD (fL)	48.7	45.8 - 51.6	50.6	47.6 - 53.6	46.5	42.8 - 50.2
RDW-CV (%)	18.3	17.2 - 19.4	18.1	17.0 - 19.2	15.4	14.2 - 16.6
PLT (10 ³ /μL)	94	58 - 130	250	223 - 278	569	518 - 620
MPV (fL)	8.7	7.3 - 10.1	9.0	8.4 - 9.6	8.8	8.4 - 9.2
WBC (10 ³ /μL)	3.18	2.86 - 3.50	7.65	7.11 - 8.19	17.32	16.28 - 18.36
NEUT# (10 ³ /μL)	1.13	0.93 - 1.33	3.03	2.61 - 3.45	7.25	6.31 - 8.19
LYMPH# (10 ³ /μL)	1.16	0.85 - 1.47	2.32	1.76 - 2.88	4.66	3.45 - 5.87
MONO# (10 ³ /μL)	0.33	0.15 - 0.51	0.76	0.38 - 1.14	1.74	0.96 - 2.52
EO# (10 ³ /μL)	0.27	0.17 - 0.37	0.73	0.46 - 1.00	1.77	1.10 - 2.44
BASO# (10 ³ /μL)	0.15	0.11 - 0.19	0.41	0.34 - 0.48	0.98	0.85 - 1.11
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.94	1.89	1.55 - 2.23
NEUT%	37.1	31.9 - 42.3	41.7	37.1 - 46.3	44.2	39.8 - 48.6
LYMPH%	38.0	28.5 - 47.5	32.0	25.0 - 39.0	28.4	21.3 - 35.5
MONO%	10.9	5.0 - 16.8	10.5	5.5 - 15.5	10.6	5.9 - 15.3
EO%	9.0	5.7 - 12.3	10.1	6.5 - 13.7	10.8	6.8 - 14.8
BASO%	5.0	4.1 - 6.0	5.7	5.0 - 6.4	6.0	5.3 - 6.7
IG (%)	9.7	7.9 - 11.5	10.9	9.0 - 12.8	11.5	9.7 - 13.3
RET%	6.01	4.87 - 7.15	2.29	1.81 - 2.77	0.89	0.56 - 1.22
RET# (10 ⁶ /μL)	0.1394	0.1087 - 0.1701	0.1001	0.0811 - 0.1191	0.0479	0.0335 - 0.0623
IRF (%)	28.9	1.2 - 56.6	30.2	3.0 - 57.4	25.3	3.5 - 47.1
RET-He (pg)	21.7	18.7 - 24.7	22.4	19.5 - 25.3	23.8	20.2 - 27.4



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:	00641101		00641102		00641103	
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 - 2.47	4.41	4.23 - 4.59	5.41	5.19 - 5.63
HGB (g/dL)	5.75	5.46 - 6.04	11.85	11.38 - 12.32	16.04	15.40 - 16.68
HCT (%)	17.0	15.8 - 18.2	33.6	31.6 - 35.6	44.5	41.8 - 47.2
MCV (fL)	72.3	68.0 - 76.6	76.2	71.6 - 80.8	82.3	77.4 - 87.2
MCH (pg)	24.5	22.5 - 26.5	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)	46.7	43.9 - 49.5	49.0	46.1 - 51.9	46.6	42.9 - 50.3
RDW-CV (%)	18.3	17.2 - 19.4	18.3	17.2 - 19.4	16.2	14.9 - 17.5
PLT (10 ³ /μL)	93	58 - 128	247	220 - 274	567	516 - 618
PLT-F (10 ³ /μL)	81	59 - 103	248	181 - 315	531	409 - 653
IPF (%)	19.3	16.8 - 21.8	19.8	15.8 - 23.8	19.7	15.6 - 23.8
IPF#	15.6	13.6 - 17.6	46.7	37.4 - 56.0	102.1	80.7 - 123.5
MPV (fL)	9.9	8.3 - 11.5	10.1	9.4 - 10.8	9.9	9.4 - 10.4
WBC (10 ³ /μL)	2.93	2.64 - 3.22	6.97	6.48 - 7.46	15.74	14.80 - 16.68
NEUT# (10 ³ /μL)	1.14	0.93 - 1.35	3.12	2.68 - 3.56	7.46	6.49 - 8.43
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.32	2.05	1.56 - 2.54	4.13	3.06 - 5.20
MONO# (10 ³ /μL)	0.41	0.18 - 0.64	0.96	0.48 - 1.44	2.11	1.16 - 3.06
EO# (10 ³ /μL)	0.28	0.17 - 0.39	0.73	0.46 - 1.00	1.77	1.10 - 2.44
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.35	0.29 - 0.41	0.78	0.68 - 0.88
IG # (10 ³ /μL)	0.29	0.23 - 0.35	0.79	0.64 - 0.94	1.89	1.55 - 2.23
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.45	0.33 - 0.57	1.09	0.87 - 1.31
NEUT%	37.9	32.6 - 43.2	43.3	38.5 - 48.1	45.9	41.3 - 50.5
LYMPH%	34.6	26.0 - 43.3	28.5	22.2 - 34.8	25.4	19.1 - 31.8
MONO%	13.5	6.2 - 20.8	13.3	6.9 - 19.7	13.0	7.3 - 18.7
EO%	9.2	5.8 - 12.6	10.1	6.5 - 13.7	10.9	6.9 - 14.9
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	11.0	9.1 - 12.9	11.6	9.7 - 13.5
NRBC% (/100 WBC)	5.4	2.9 - 7.9	6.3	4.5 - 8.1	6.7	5.4 - 8.0
RET%	4.56	3.69 - 5.43	1.84	1.45 - 2.23	0.87	0.55 - 1.19
RET# (10 ⁶ /μL)	0.1072	0.0836 - 0.1308	0.0811	0.0657 - 0.0965	0.0471	0.0330 - 0.0612
IRF (%)	39.9	1.6 - 78.2	42.6	4.3 - 80.9	30.8	4.3 - 57.3
RET-He (pg)	23.1	19.9 - 26.3	24.2	21.1 - 27.3	26.6	22.6 - 30.6