



XN CHECK™

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

Expiration Date:	2024-05-19			Quality Control Data Due Date #1: 08-Apr-24		Quality Control Data Due Date #2: 19-May-24			
Lot Number:	40581101			40581102		40581103			
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	2.20	- 2.43	4.27	4.10	- 4.44	5.03	4.83	- 5.23
HGB (g/dL)	5.6	5.4	- 5.9	11.9	11.4	- 12.3	15.1	14.5	- 15.7
HCT (%)	16.7	15.5	- 17.8	34.3	32.2	- 36.4	42.7	40.1	- 45.3
MCV (fL)	72.0	67.7	- 76.3	80.3	75.5	- 85.1	84.9	79.8	- 89.9
MCH (pg)	24.4	22.5	- 26.4	27.8	25.8	- 29.7	30.0	28.2	- 31.8
MCHC (g/dL)	33.9	30.5	- 37.3	34.6	31.5	- 37.7	35.3	32.5	- 38.2
RDW-SD (fL)	49.1	46.1	- 52.0	47.1	44.2	- 49.9	50.0	46.0	- 54.0
RDW-CV (%)	19.0	17.9	- 20.2	16.2	15.2	- 17.2	16.3	15.0	- 17.6
PLT (10 ³ /μL)	86	53	- 119	247	207	- 286	559	486	- 631
PLT-F (10 ³ /μL)	81	59	- 103	249	182	- 316	528	407	- 650
IPF (%)	19.0	16.6	- 21.5	19.9	15.9	- 23.9	20.0	15.8	- 24.2
IPF#	15.5	13.4	- 17.5	48.4	38.7	- 58.0	104.0	82.2	- 125.9
MPV (fL)	8.1	6.8	- 9.4	10.1	9.3	- 10.9	10.0	9.2	- 10.8
WBC (10 ³ /μL)	2.99	2.69	- 3.29	6.64	6.17	- 7.10	16.29	15.32	- 17.27
NEUT# (10 ³ /μL)	1.20	0.98	- 1.41	2.87	2.46	- 3.27	7.80	6.79	- 8.82
LYMPH# (10 ³ /μL)	1.06	0.77	- 1.34	1.99	1.52	- 2.47	3.84	2.84	- 4.83
MONO# (10 ³ /μL)	0.31	0.13	- 0.48	0.77	0.38	- 1.15	2.05	1.13	- 2.97
EO# (10 ³ /μL)	0.29	0.18	- 0.40	0.69	0.43	- 0.95	1.82	1.13	- 2.52
BASO# (10 ³ /μL)	0.14	0.11	- 0.18	0.32	0.27	- 0.37	0.78	0.68	- 0.89
IG # (10 ³ /μL)	0.30	0.24	- 0.37	0.72	0.59	- 0.86	1.95	1.60	- 2.30
NRBC# (10 ³ /μL)	0.16	0.09	- 0.22	0.43	0.32	- 0.55	1.11	0.89	- 1.33
NEUT%	39.9	34.3	- 45.5	43.2	38.4	- 47.9	47.9	43.1	- 52.7
LYMPH%	35.3	26.5	- 44.1	30.0	23.4	- 36.7	23.5	17.7	- 29.4
MONO%	10.2	4.7	- 15.8	11.6	6.0	- 17.1	12.6	7.0	- 18.1
EO%	9.8	6.2	- 13.4	10.4	6.7	- 14.1	11.2	7.1	- 15.3
BASO%	4.8	3.9	- 5.7	4.8	4.2	- 5.4	4.8	4.2	- 5.4
IG (%)	10.2	8.2	- 12.1	10.9	9.0	- 12.8	12.0	10.0	- 13.9
NRBC% (/100 WBC)	5.2	2.8	- 7.6	6.5	4.7	- 8.3	6.8	5.5	- 8.1
RET%	5.65	4.57	- 6.72	2.51	1.98	- 3.04	1.28	0.81	- 1.75
RET# (10 ⁶ /μL)	0.1307	0.1019	- 0.1594	0.1072	0.0869	- 0.1276	0.0644	0.0451	- 0.0838
IRF (%)	31.1	1.2	- 60.9	33.2	3.3	- 63.1	26.9	3.8	- 50.0
RET-He (pg)	24.6	21.1	- 28.0	25.5	22.2	- 28.8	27.0	22.9	- 31.0



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

Expiration Date:	2024-05-19			Quality Control Data Due Date #1: 08-Apr-24		Quality Control Data Due Date #2: 19-May-24			
Lot Number:	40581101			40581102		40581103			
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	4.30	4.12	- 4.47	5.05	4.85	- 5.25
HGB (g/dL)	5.7	5.4	- 5.9	11.9	11.4	- 12.4	15.1	14.5	- 15.7
HCT (%)	16.6	15.4	- 17.7	34.3	32.2	- 36.4	42.6	40.0	- 45.1
MCV (fL)	71.8	67.5	- 76.1	79.8	75.0	- 84.6	84.3	79.3	- 89.4
MCH (pg)	24.5	22.6	- 26.5	27.8	25.8	- 29.7	29.9	28.1	- 31.7
MCHC (g/dL)	34.2	30.7	- 37.6	34.8	31.6	- 37.9	35.5	32.6	- 38.3
RDW-SD (fL)	49.8	46.8	- 52.8	46.8	44.0	- 49.7	49.9	45.9	- 53.8
RDW-CV (%)	19.3	18.1	- 20.4	16.3	15.3	- 17.3	16.4	15.1	- 17.7
PLT (10 ³ /μL)	87	61	- 113	247	213	- 282	554	493	- 615
MPV (fL)	8.1	7.0	- 9.1	10.0	9.2	- 10.8	9.9	9.2	- 10.6
WBC (10 ³ /μL)	3.24	2.82	- 3.66	7.40	6.66	- 8.14	18.13	16.68	- 19.58
NEUT# (10 ³ /μL)	1.20	0.98	- 1.41	2.91	2.50	- 3.32	7.85	6.83	- 8.88
LYMPH# (10 ³ /μL)	1.13	0.83	- 1.44	2.21	1.68	- 2.74	4.36	3.22	- 5.49
MONO# (10 ³ /μL)	0.31	0.13	- 0.48	0.75	0.37	- 1.12	1.95	1.07	- 2.83
EO# (10 ³ /μL)	0.29	0.18	- 0.41	0.73	0.46	- 0.99	1.88	1.16	- 2.59
BASO# (10 ³ /μL)	0.16	0.10	- 0.22	0.40	0.27	- 0.53	1.06	0.74	- 1.38
IG # (10 ³ /μL)	0.31	0.23	- 0.39	0.76	0.60	- 0.91	2.04	1.65	- 2.42
NEUT%	38.8	33.4	- 44.2	41.6	37.0	- 46.2	45.9	41.3	- 50.5
LYMPH%	36.6	27.5	- 45.8	31.6	24.6	- 38.5	25.5	19.1	- 31.9
MONO%	9.9	4.6	- 15.2	10.7	5.6	- 15.9	11.4	6.4	- 16.4
EO%	9.5	6.0	- 13.0	10.4	6.6	- 14.1	11.0	6.9	- 15.0
BASO%	5.1	3.3	- 6.9	5.7	4.0	- 7.5	6.2	4.4	- 8.0
IG (%)	10.1	8.0	- 12.2	10.8	8.6	- 13.0	11.9	9.9	- 13.9
RET%	6.78	5.02	- 8.55	2.95	2.18	- 3.72	1.35	0.89	- 1.80
RET# (10 ⁶ /μL)	0.1567	0.1144	- 0.1990	0.1267	0.0950	- 0.1584	0.0679	0.0442	- 0.0917
IRF (%)	26.8	1.1	- 52.6	26.8	2.7	- 50.9	25.3	3.5	- 47.1
RET-He (pg)	23.6	20.3	- 27.0	24.2	21.0	- 27.3	25.2	21.4	- 29.0



XN CHECK™

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

Expiration Date:	2024-05-19		Quality Control Data Due Date #1: 08-Apr-24		Quality Control Data Due Date #2: 19-May-24	
Lot Number:	40581101		40581102		40581103	
Control:	L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE
RBC (10 ⁹ /μL)	2.36	2.24 - 2.48	4.32	4.15 - 4.49	5.09	4.89 - 5.30
HGB (g/dL)	5.67	5.38 - 5.95	11.88	11.40 - 12.35	15.14	14.53 - 15.74
HCT (%)	16.8	15.6 - 17.9	33.9	31.8 - 35.9	42.3	39.8 - 44.9
MCV (fL)	71.0	66.7 - 75.3	78.4	73.7 - 83.1	83.2	78.2 - 88.2
MCH (pg)	24.0	22.1 - 25.9	27.5	25.6 - 29.4	29.7	27.9 - 31.5
MCHC (g/dL)	33.8	30.4 - 37.2	35.1	31.9 - 38.3	35.7	32.9 - 38.6
RDW-SD (fL)	48.6	45.7 - 51.5	46.2	43.4 - 49.0	50.5	46.4 - 54.5
RDW-CV (%)	19.3	18.2 - 20.5	16.8	15.8 - 17.9	17.3	15.9 - 18.7
PLT (10 ³ /μL)	90	56 - 125	250	210 - 290	564	491 - 637
PLT-F (10 ³ /μL)	82	60 - 104	251	183 - 318	535	412 - 658
IPF (%)	18.9	16.4 - 21.3	19.9	15.9 - 23.9	19.9	15.7 - 24.1
IPF#	15.4	13.4 - 17.4	48.6	38.9 - 58.3	104.9	82.9 - 126.9
MPV (fL)	9.1	7.6 - 10.5	11.3	10.4 - 12.3	11.2	10.3 - 12.1
WBC (10 ³ /μL)	3.03	2.72 - 3.33	6.66	6.20 - 7.13	16.33	15.35 - 17.31
NEUT# (10 ³ /μL)	1.20	0.99 - 1.42	2.87	2.47 - 3.28	7.82	6.80 - 8.83
LYMPH# (10 ³ /μL)	1.07	0.78 - 1.35	2.02	1.54 - 2.50	3.85	2.85 - 4.86
MONO# (10 ³ /μL)	0.31	0.14 - 0.49	0.76	0.38 - 1.14	2.07	1.14 - 3.00
EO# (10 ³ /μL)	0.30	0.18 - 0.41	0.69	0.44 - 0.95	1.81	1.12 - 2.49
BASO# (10 ³ /μL)	0.14	0.11 - 0.18	0.32	0.27 - 0.37	0.79	0.68 - 0.89
IG # (10 ³ /μL)	0.31	0.24 - 0.37	0.73	0.59 - 0.87	1.97	1.62 - 2.33
NRBC# (10 ³ /μL)	0.16	0.09 - 0.23	0.43	0.31 - 0.54	1.10	0.88 - 1.32
NEUT%	39.8	34.2 - 45.4	43.1	38.4 - 47.8	47.9	43.1 - 52.7
LYMPH%	35.2	26.4 - 44.0	30.3	23.6 - 37.0	23.6	17.7 - 29.5
MONO%	10.4	4.8 - 16.0	11.4	5.9 - 16.8	12.7	7.1 - 18.2
EO%	9.8	6.2 - 13.5	10.4	6.7 - 14.1	11.1	7.0 - 15.2
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.2	8.2 - 12.1	10.9	9.1 - 12.8	12.1	10.1 - 14.0
NRBC% (/100 WBC)	5.3	2.9 - 7.7	6.4	4.6 - 8.2	6.7	5.5 - 8.0
RET%	5.34	4.33 - 6.36	2.34	1.85 - 2.83	1.22	0.77 - 1.67
RET# (10 ⁶ /μL)	0.1261	0.0983 - 0.1538	0.1012	0.0820 - 0.1204	0.0620	0.0434 - 0.0806
IRF (%)	33.4	1.3 - 65.4	35.1	3.5 - 66.7	28.2	4.0 - 52.5
RET-He (pg)	24.7	21.2 - 28.1	25.6	22.3 - 28.9	27.1	23.0 - 31.1