



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:	40571101			40571102		40571103			
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	- 2.42	4.25	4.08	- 4.42	5.06	4.86	- 5.27
HGB (g/dL)	5.7	5.4	- 6.0	12.1	11.6	- 12.6	15.8	15.2	- 16.4
HCT (%)	16.7	15.6	- 17.9	34.7	32.6	- 36.8	44.6	41.9	- 47.3
MCV (fL)	72.5	68.2	- 76.9	81.5	76.7	- 86.4	88.0	82.8	- 93.3
MCH (pg)	24.7	22.7	- 26.7	28.5	26.5	- 30.5	31.2	29.3	- 33.1
MCHC (g/dL)	34.0	30.6	- 37.4	35.0	31.8	- 38.1	35.5	32.6	- 38.3
RDW-SD (fL)	49.5	46.5	- 52.5	46.4	43.6	- 49.2	47.5	43.7	- 51.3
RDW-CV (%)	19.0	17.9	- 20.2	15.8	14.8	- 16.7	14.9	13.7	- 16.1
PLT (10 ³ /μL)	88	55	- 122	233	195	- 270	537	468	- 607
PLT-F (10 ³ /μL)	82	60	- 105	239	175	- 304	516	398	- 635
IPF (%)	19.0	16.5	- 21.5	19.9	15.9	- 23.9	19.9	15.7	- 24.0
IPF#	15.7	13.6	- 17.7	46.5	37.2	- 55.8	101.1	79.9	- 122.3
MPV (fL)	8.2	6.9	- 9.5	9.9	9.1	- 10.7	9.7	9.0	- 10.5
WBC (10 ³ /μL)	3.02	2.72	- 3.32	6.93	6.44	- 7.41	16.48	15.49	- 17.46
NEUT# (10 ³ /μL)	1.23	1.01	- 1.45	3.07	2.64	- 3.50	7.99	6.95	- 9.03
LYMPH# (10 ³ /μL)	1.03	0.75	- 1.31	2.05	1.56	- 2.54	3.98	2.94	- 5.01
MONO# (10 ³ /μL)	0.31	0.14	- 0.49	0.75	0.37	- 1.12	1.84	1.01	- 2.68
EO# (10 ³ /μL)	0.30	0.19	- 0.41	0.73	0.46	- 0.99	1.87	1.16	- 2.58
BASO# (10 ³ /μL)	0.15	0.11	- 0.18	0.33	0.28	- 0.39	0.80	0.69	- 0.90
IG # (10 ³ /μL)	0.31	0.25	- 0.38	0.78	0.63	- 0.93	2.01	1.65	- 2.37
NRBC# (10 ³ /μL)	0.14	0.08	- 0.19	0.44	0.32	- 0.56	1.12	0.89	- 1.34
NEUT%	40.7	35.0	- 46.4	44.3	39.5	- 49.2	48.5	43.6	- 53.3
LYMPH%	34.2	25.6	- 42.7	29.6	23.1	- 36.1	24.1	18.1	- 30.2
MONO%	10.3	4.7	- 15.9	10.8	5.6	- 15.9	11.2	6.3	- 16.1
EO%	9.9	6.3	- 13.6	10.5	6.7	- 14.2	11.3	7.1	- 15.5
BASO%	4.8	3.9	- 5.7	4.8	4.2	- 5.5	4.8	4.2	- 5.4
IG (%)	10.4	8.4	- 12.4	11.3	9.3	- 13.2	12.2	10.3	- 14.2
NRBC% (/100 WBC)	4.5	2.4	- 6.6	6.4	4.6	- 8.2	6.8	5.5	- 8.1
RET%	5.89	4.77	- 7.01	2.31	1.82	- 2.79	1.26	0.79	- 1.72
RET# (10 ⁶ /μL)	0.1360	0.1061	- 0.1659	0.0982	0.0795	- 0.1168	0.0636	0.0445	- 0.0827
IRF (%)	33.6	1.3	- 65.9	35.7	3.6	- 67.7	29.2	4.1	- 54.3
RET-He (pg)	24.5	21.1	- 28.0	25.4	22.1	- 28.7	27.1	23.0	- 31.2



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

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Lot Number:	40571101			40571102		40571103			
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	- 2.42	4.27	4.10	- 4.45	5.06	4.86	- 5.27
HGB (g/dL)	5.7	5.4	- 6.0	12.2	11.7	- 12.7	15.7	15.1	- 16.4
HCT (%)	16.7	15.6	- 17.9	34.8	32.7	- 36.9	44.3	41.7	- 47.0
MCV (fL)	72.6	68.2	- 76.9	81.3	76.5	- 86.2	87.6	82.3	- 92.8
MCH (pg)	24.8	22.8	- 26.7	28.5	26.5	- 30.5	31.1	29.2	- 32.9
MCHC (g/dL)	34.1	30.7	- 37.5	35.0	31.8	- 38.1	35.5	32.7	- 38.3
RDW-SD (fL)	50.8	47.8	- 53.9	46.3	43.6	- 49.1	47.4	43.6	- 51.2
RDW-CV (%)	19.3	18.2	- 20.5	15.8	14.9	- 16.8	14.9	13.7	- 16.1
PLT (10 ³ /μL)	88	62	- 114	233	201	- 266	534	475	- 593
MPV (fL)	8.2	7.1	- 9.2	9.8	9.0	- 10.6	9.6	8.9	- 10.3
WBC (10 ³ /μL)	3.25	2.83	- 3.67	7.71	6.94	- 8.48	18.19	16.73	- 19.64
NEUT# (10 ³ /μL)	1.23	1.01	- 1.45	3.09	2.66	- 3.53	7.93	6.90	- 8.96
LYMPH# (10 ³ /μL)	1.12	0.82	- 1.43	2.28	1.73	- 2.83	4.41	3.27	- 5.56
MONO# (10 ³ /μL)	0.31	0.14	- 0.48	0.75	0.37	- 1.12	1.80	0.99	- 2.61
EO# (10 ³ /μL)	0.31	0.19	- 0.42	0.76	0.48	- 1.04	1.98	1.23	- 2.73
BASO# (10 ³ /μL)	0.16	0.10	- 0.22	0.42	0.28	- 0.55	1.06	0.74	- 1.37
IG # (10 ³ /μL)	0.32	0.24	- 0.40	0.80	0.64	- 0.96	2.06	1.67	- 2.45
NEUT%	39.3	33.8	- 44.8	42.4	37.7	- 47.0	46.2	41.5	- 50.8
LYMPH%	35.9	26.9	- 44.9	31.3	24.4	- 38.1	25.7	19.3	- 32.1
MONO%	9.8	4.5	- 15.1	10.3	5.3	- 15.2	10.5	5.9	- 15.1
EO%	9.7	6.1	- 13.4	10.4	6.7	- 14.2	11.5	7.3	- 15.8
BASO%	5.2	3.4	- 7.0	5.7	4.0	- 7.4	6.2	4.4	- 7.9
IG (%)	10.2	8.1	- 12.4	10.9	8.8	- 13.1	12.0	9.9	- 14.0
RET%	7.02	5.20	- 8.85	2.70	2.00	- 3.41	1.32	0.87	- 1.76
RET# (10 ⁶ /μL)	0.1620	0.1183	- 0.2058	0.1156	0.0867	- 0.1445	0.0667	0.0433	- 0.0900
IRF (%)	28.4	1.1	- 55.6	28.9	2.9	- 54.9	26.8	3.7	- 49.8
RET-He (pg)	23.6	20.3	- 26.9	24.1	21.0	- 27.3	25.4	21.6	- 29.2



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:	40571101		40571102		40571103	
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	4.31	4.14 - 4.48	5.14	4.94 - 5.35
HGB (g/dL)	5.70	5.41 - 5.98	12.17	11.68 - 12.65	15.88	15.24 - 16.51
HCT (%)	16.8	15.6 - 18.0	34.3	32.3 - 36.4	44.2	41.5 - 46.8
MCV (fL)	71.2	67.0 - 75.5	79.7	74.9 - 84.4	85.8	80.7 - 91.0
MCH (pg)	24.1	22.2 - 26.1	28.2	26.3 - 30.2	30.9	29.0 - 32.7
MCHC (g/dL)	33.9	30.5 - 37.3	35.5	32.3 - 38.6	36.0	33.1 - 38.8
RDW-SD (fL)	48.8	45.8 - 51.7	46.3	43.5 - 49.1	47.6	43.8 - 51.4
RDW-CV (%)	19.3	18.1 - 20.5	16.4	15.5 - 17.4	15.7	14.4 - 16.9
PLT (10 ³ /μL)	93	58 - 128	238	200 - 277	548	477 - 619
PLT-F (10 ³ /μL)	84	61 - 106	242	177 - 308	524	403 - 644
IPF (%)	19.0	16.6 - 21.5	20.2	16.1 - 24.2	20.1	15.9 - 24.4
IPF#	15.9	13.8 - 18.0	47.7	38.2 - 57.3	103.9	82.1 - 125.7
MPV (fL)	9.2	7.7 - 10.6	11.1	10.2 - 12.0	10.9	10.1 - 11.8
WBC (10 ³ /μL)	3.05	2.75 - 3.36	6.96	6.48 - 7.45	16.51	15.52 - 17.50
NEUT# (10 ³ /μL)	1.25	1.02 - 1.47	3.05	2.62 - 3.48	7.95	6.91 - 8.98
LYMPH# (10 ³ /μL)	1.04	0.76 - 1.33	2.08	1.58 - 2.57	3.98	2.95 - 5.02
MONO# (10 ³ /μL)	0.32	0.14 - 0.50	0.77	0.38 - 1.15	1.89	1.04 - 2.74
EO# (10 ³ /μL)	0.29	0.18 - 0.40	0.73	0.46 - 1.00	1.90	1.18 - 2.62
BASO# (10 ³ /μL)	0.15	0.11 - 0.18	0.34	0.28 - 0.39	0.80	0.69 - 0.90
IG # (10 ³ /μL)	0.32	0.26 - 0.39	0.78	0.63 - 0.92	1.99	1.63 - 2.35
NRBC# (10 ³ /μL)	0.14	0.08 - 0.20	0.44	0.32 - 0.56	1.12	0.90 - 1.35
NEUT%	40.9	35.2 - 46.6	43.8	39.0 - 48.6	48.1	43.3 - 52.9
LYMPH%	34.2	25.7 - 42.8	29.8	23.3 - 36.4	24.1	18.1 - 30.1
MONO%	10.5	4.8 - 16.1	11.0	5.7 - 16.3	11.4	6.4 - 16.5
EO%	9.6	6.1 - 13.2	10.5	6.7 - 14.3	11.5	7.2 - 15.8
BASO%	4.8	3.9 - 5.7	4.8	4.2 - 5.5	4.8	4.2 - 5.4
IG (%)	10.6	8.6 - 12.6	11.1	9.3 - 13.0	12.0	10.1 - 14.0
NRBC% (/100 WBC)	4.7	2.5 - 6.8	6.4	4.6 - 8.1	6.8	5.5 - 8.1
RET%	5.50	4.46 - 6.55	2.18	1.73 - 2.64	1.20	0.75 - 1.64
RET# (10 ⁶ /μL)	0.1298	0.1013 - 0.1584	0.0941	0.0762 - 0.1120	0.0616	0.0431 - 0.0800
IRF (%)	35.2	1.4 - 69.0	36.8	3.7 - 69.9	29.3	4.1 - 54.6
RET-He (pg)	24.6	21.2 - 28.1	25.6	22.3 - 28.9	27.3	23.2 - 31.4