

## XN CHECK ASSAY SHEET

### for XN series

#### Level L1

**LOT**
**1227 1101**

**07-Nov-2021**

	RBC [10 <sup>6</sup> /μL]	HGB		HCT		MCV [fL]	MCH		MCHC	
		[g/dL]	[mmol/L]	[%]	[L/L]		[pg]	[fmol]	[g/dL]	[mmol/L]
Range	2.45	6.0	3.7	18.6	0.186	76.2	26.7	1.655	38.8	24.0
	2.21	5.4	3.3	15.2	0.152	69.0	22.3	1.381	28.6	17.8
Mean	2.33	5.7	3.5	16.9	0.169	72.6	24.5	1.518	33.7	20.9
Limit [%]	5.0	5.3	5.3	10.0	10.0	5.0	9.0	9.0	15.0	15.0
Limit [#]	0.12	0.3	0.2	1.7	0.017	3.6	2.2	0.137	5.1	3.1

	PLT [10 <sup>3</sup> /μL]	RDW-SD [fL]	RDW-CV [%]	PDW [fL]	PCT [%]	MPV [fL]	P-LCR [%]	PLT-F [10 <sup>3</sup> /μL]	IPF [%]	IPF# [10 <sup>3</sup> /μL]
Range	127	53.1	20.6	11.3	0.17	10.0	15.8	120	23.9	31.8
	55	43.5	16.8	1.3	0.00	6.6	0.0	52	13.9	0.8
Mean	91	48.3	18.7	6.3	0.08	8.3	6.3	86	18.9	16.3
Limit [%]	40.0	10.0	10.0	80.0	116.0	20.0	150.0	40.0	26.5	95.0
Limit [#]	36	4.8	1.9	5.0	0.09	1.7	9.5	34	5.0	15.5

	WBC [10 <sup>3</sup> /μL]	WBC-D [10 <sup>3</sup> /μL]	WBC-P [10 <sup>3</sup> /μL]	NEUT# [10 <sup>3</sup> /μL]	LYMPH# [10 <sup>3</sup> /μL]	MONO# [10 <sup>3</sup> /μL]	EO# [10 <sup>3</sup> /μL]	BASO# [10 <sup>3</sup> /μL]	IG# [10 <sup>3</sup> /μL]	NRBC# [10 <sup>3</sup> /μL]
Range	3.26	3.29	3.25	1.34	1.48	0.67	0.41	0.25	0.38	0.21
	2.66	2.69	2.65	0.90	0.64	0.07	0.13	0.03	0.20	0.07
Mean	2.96	2.99	2.95	1.12	1.06	0.37	0.27	0.14	0.29	0.14
Limit [%]	10.0	10.0	10.0	20.0	40.0	80.0	50.0	78.0	30.0	50.0
Limit [#]	0.30	0.30	0.30	0.22	0.42	0.30	0.14	0.11	0.09	0.07

	NEUT% [%]	LYMPH% [%]	MONO% [%]	EO% [%]	BASO% [%]	IG% [%]	NRBC% [%]	HPC% [%]	HPC# [10 <sup>3</sup> /μL]
Range	45.5	50.1	22.5	13.7	8.4	12.7	7.1	1.47	0.044
	30.3	21.5	2.5	4.5	1.0	6.9	2.3	0.49	0.014
Mean	37.9	35.8	12.5	9.1	4.7	9.8	4.7	0.98	0.029
Limit [%]	20.0	40.0	80.0	50.0	78.0	30.0	50.0	50.0	50.0
Limit [#]	7.6	14.3	10.0	4.6	3.7	2.9	2.4	0.49	0.015

	RET# [10 <sup>6</sup> /μL]	RET% [%]	HFR [%]	MFR [%]	LFR [%]	IRF [%]	RET-He		RBC-O [10 <sup>6</sup> /μL]	PLT-O [10 <sup>3</sup> /μL]
							[pg]	[fmol]		
Range	0.1842	7.30	19.0	60.9	92.1	76.9	26.2	1.623	2.56	146
	0.0992	4.86	0.0	4.9	26.1	4.9	21.4	1.327	2.10	62
Mean	0.1417	6.08	8.0	32.9	59.1	40.9	23.8	1.475	2.33	104
Limit [%]	30.0	20.0	137.5	85.1	55.8	88.0	10.0	10.0	10.0	40.0
Limit [#]	0.0425	1.22	11.0	28.0	33.0	36.0	2.4	0.148	0.23	42

	RBC-He		HYPO-He [%]	HYPER-He [%]	MicroR [%]	MacroR [%]	AS-LYMP# [10 <sup>3</sup> /μL]	AS-LYMP% [%]	RE-LYMP# [10 <sup>3</sup> /μL]	RE-LYMP% [%]
	[pg]	[fmol]								
Range	30.4	1.880	6.8	0.5	37.6	3.2	0.27	9.1	0.43	14.6
	20.2	1.254	0.8	0.0	9.4	1.0	0.07	2.3	0.11	3.6
Mean	25.3	1.567	3.8	0.2	23.5	2.1	0.17	5.7	0.27	9.1
Limit [%]	20.0	20.0	79.0	150.0	60.0	50.0	60.0	60.0	60.0	60.0
Limit [#]	5.1	0.313	3.0	0.3	14.1	1.1	0.10	3.4	0.16	5.5

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Revised 04/2020



## XN CHECK ASSAY SHEET

### for XN series

### Level L2

**LOT****1227 1102****07-Nov-2021**

	RBC [10 <sup>6</sup> /μL]	HGB		HCT		MCV [fL]	MCH		MCHC	
		[g/dL]	[mmol/L]	[%]	[L/L]		[pg]	[fmol]	[g/dL]	[mmol/L]
Range	4.54	12.8	7.9	39.6	0.396	87.5	31.0	1.923	39.2	24.4
	4.10	12.0	7.5	32.4	0.324	79.1	26.4	1.639	29.6	18.4
Mean	4.32	12.4	7.7	36.0	0.360	83.3	28.7	1.781	34.4	21.4
Limit [%]	5.0	3.0	3.0	10.0	10.0	5.0	8.0	8.0	14.0	14.0
Limit [#]	0.22	0.4	0.2	3.6	0.036	4.2	2.3	0.142	4.8	3.0

	PLT [10 <sup>3</sup> /μL]	RDW-SD [fL]	RDW-CV [%]	PDW [fL]	PCT [%]	MPV [fL]	P-LCR [%]	PLT-F [10 <sup>3</sup> /μL]	IPF [%]	IPF# [10 <sup>3</sup> /μL]
Range	284	53.7	18.0	9.3	0.30	10.0	32.8	338	25.2	91.9
	210	43.9	14.8	6.7	0.16	8.4	0.0	182	15.2	13.1
Mean	247	48.8	16.4	8.0	0.23	9.2	13.1	260	20.2	52.5
Limit [%]	15.0	10.0	10.0	16.0	30.0	9.0	150.0	30.0	24.8	75.0
Limit [#]	37	4.9	1.6	1.3	0.07	0.8	19.7	78	5.0	39.4

	WBC [10 <sup>3</sup> /μL]	WBC-D [10 <sup>3</sup> /μL]	WBC-P [10 <sup>3</sup> /μL]	NEUT# [10 <sup>3</sup> /μL]	LYMPH# [10 <sup>3</sup> /μL]	MONO# [10 <sup>3</sup> /μL]	EO# [10 <sup>3</sup> /μL]	BASO# [10 <sup>3</sup> /μL]	IG# [10 <sup>3</sup> /μL]	NRBC# [10 <sup>3</sup> /μL]
Range	7.31	7.52	7.32	3.47	2.50	1.20	1.08	0.59	0.99	0.65
	6.49	6.66	6.50	2.57	1.66	0.30	0.36	0.07	0.53	0.21
Mean	6.90	7.09	6.91	3.02	2.08	0.75	0.72	0.33	0.76	0.43
Limit [%]	6.0	6.0	6.0	15.0	20.0	60.0	50.0	78.0	30.0	50.0
Limit [#]	0.41	0.43	0.41	0.45	0.42	0.45	0.36	0.26	0.23	0.22

	NEUT% [%]	LYMPH% [%]	MONO% [%]	EO% [%]	BASO% [%]	IG% [%]	NRBC% [%]	HPC% [%]	HPC# [10 <sup>3</sup> /μL]
Range	50.4	36.1	17.4	15.6	8.5	14.3	9.3	1.40	0.097
	37.2	24.1	4.4	5.2	1.1	7.7	3.1	0.60	0.041
Mean	43.8	30.1	10.9	10.4	4.8	11.0	6.2	1.00	0.069
Limit [%]	15.0	20.0	60.0	50.0	78.0	30.0	50.0	40.0	40.0
Limit [#]	6.6	6.0	6.5	5.2	3.7	3.3	3.1	0.40	0.028

	RET# [10 <sup>6</sup> /μL]	RET% [%]	HFR [%]	MFR [%]	LFR [%]	IRF [%]	RET-He		RBC-O [10 <sup>9</sup> /μL]	PLT-O [10 <sup>3</sup> /μL]
							[pg]	[fmol]		
Range	0.1352	2.89	19.5	63.8	88.7	80.3	27.0	1.670	4.66	341
	0.0728	1.93	0.0	7.8	22.7	8.3	22.0	1.366	3.82	183
Mean	0.1040	2.41	8.5	35.8	55.7	44.3	24.5	1.518	4.24	262
Limit [%]	30.0	20.0	129.4	78.2	59.3	81.3	10.0	10.0	10.0	30.0
Limit [#]	0.0312	0.48	11.0	28.0	33.0	36.0	2.5	0.152	0.42	79

	RBC-He		HYPO-He [%]	HYPER-He [%]	MicroR [%]	MacroR [%]	AS-LYMP# [10 <sup>3</sup> /μL]	AS-LYMP% [%]	RE-LYMP# [10 <sup>3</sup> /μL]	RE-LYMP% [%]
	[pg]	[fmol]								
Range	35.2	2.183	1.9	1.2	11.2	5.6	0.53	7.7	0.80	11.6
	23.4	1.455	0.0	0.0	2.0	2.4	0.17	2.5	0.26	3.8
Mean	29.3	1.819	0.9	0.5	6.6	4.0	0.35	5.1	0.53	7.7
Limit [%]	20.0	20.0	111.1	140.0	70.0	40.0	50.0	50.0	50.0	50.0
Limit [#]	5.9	0.364	1.0	0.7	4.6	1.6	0.18	2.6	0.27	3.9

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Revised 04/2020



## XN CHECK ASSAY SHEET

### for XN series

### Level L3

**LOT**

1227 1103



07-Nov-2021

	RBC [10 <sup>6</sup> /μL]	HGB		HCT		MCV [fL]	MCH		MCHC	
		[g/dL]	[mmol/L]	[%]	[L/L]		[pg]	[fmol]	[g/dL]	[mmol/L]
Range	5.23	16.4	10.1	49.6	0.496	95.1	34.5	2.139	40.2	25.0
	4.73	15.4	9.5	40.6	0.406	86.1	29.3	1.823	30.4	18.8
Mean	4.98	15.9	9.8	45.1	0.451	90.6	31.9	1.981	35.3	21.9
Limit [%]	5.0	3.0	3.0	10.0	10.0	5.0	8.0	8.0	14.0	14.0
Limit [#]	0.25	0.5	0.3	4.5	0.045	4.5	2.6	0.158	4.9	3.1

	PLT [10 <sup>3</sup> /μL]	RDW-SD [fL]	RDW-CV [%]	PDW [fL]	PCT [%]	MPV [fL]	P-LCR [%]	PLT-F [10 <sup>3</sup> /μL]	IPF [%]	IPF# [10 <sup>3</sup> /μL]
Range	602	51.9	15.8	9.3	0.63	9.7	31.8	630	24.9	185.5
	502	42.5	13.0	7.3	0.37	8.5	0.0	466	14.9	32.7
Mean	552	47.2	14.4	8.3	0.50	9.1	12.7	548	19.9	109.1
Limit [%]	9.0	10.0	10.0	12.0	25.0	7.0	150.0	15.0	25.1	70.0
Limit [#]	50	4.7	1.4	1.0	0.13	0.6	19.1	82	5.0	76.4

	WBC [10 <sup>3</sup> /μL]	WBC-D [10 <sup>3</sup> /μL]	WBC-P [10 <sup>3</sup> /μL]	NEUT# [10 <sup>3</sup> /μL]	LYMPH# [10 <sup>3</sup> /μL]	MONO# [10 <sup>3</sup> /μL]	EO# [10 <sup>3</sup> /μL]	BASO# [10 <sup>3</sup> /μL]	IG# [10 <sup>3</sup> /μL]	NRBC# [10 <sup>3</sup> /μL]
Range	17.49	17.83	17.52	9.02	4.94	2.87	2.75	1.42	2.45	1.64
	15.51	15.81	15.54	6.66	3.30	0.95	0.91	0.18	1.47	0.54
Mean	16.50	16.82	16.53	7.84	4.12	1.91	1.83	0.80	1.96	1.09
Limit [%]	6.0	6.0	6.0	15.0	20.0	50.0	50.0	78.0	25.0	50.0
Limit [#]	0.99	1.01	0.99	1.18	0.82	0.96	0.92	0.62	0.49	0.55

	NEUT% [%]	LYMPH% [%]	MONO% [%]	EO% [%]	BASO% [%]	IG% [%]	NRBC% [%]	HPC% [%]	HPC# [10 <sup>3</sup> /μL]
Range	54.6	30.0	17.4	16.7	8.5	14.9	9.9	1.30	0.215
	40.4	20.0	5.8	5.5	1.1	8.9	3.3	0.70	0.115
Mean	47.5	25.0	11.6	11.1	4.8	11.9	6.6	1.00	0.165
Limit [%]	15.0	20.0	50.0	50.0	78.0	25.0	50.0	30.0	30.0
Limit [#]	7.1	5.0	5.8	5.6	3.7	3.0	3.3	0.30	0.050

	RET# [10 <sup>6</sup> /μL]	RET% [%]	HFR [%]	MFR [%]	LFR [%]	IRF [%]	RET-He		RBC-O [10 <sup>6</sup> /μL]	PLT-O [10 <sup>3</sup> /μL]
							[pg]	[fmol]		
Range	0.0889	1.85	18.4	58.1	95.5	73.5	27.9	1.736	5.38	651
	0.0479	0.89	0.0	2.1	29.5	1.5	22.9	1.420	4.40	481
Mean	0.0684	1.37	7.4	30.1	62.5	37.5	25.4	1.578	4.89	566
Limit [%]	30.0	35.0	148.7	93.0	52.8	96.0	10.0	10.0	10.0	15.0
Limit [#]	0.0205	0.48	11.0	28.0	33.0	36.0	2.5	0.158	0.49	85

	RBC-He		HYPO-He [%]	HYPER-He [%]	MicroR [%]	MacroR [%]	AS-LYMP# [10 <sup>3</sup> /μL]	AS-LYMP% [%]	RE-LYMP# [10 <sup>3</sup> /μL]	RE-LYMP% [%]
	[pg]	[fmol]								
Range	37.8	2.347	0.8	1.8	2.3	6.3	1.04	6.3	1.58	9.6
	25.2	1.565	0.0	0.0	0.3	2.7	0.34	2.1	0.52	3.2
Mean	31.5	1.956	0.3	0.8	1.3	4.5	0.69	4.2	1.05	6.4
Limit [%]	20.0	20.0	166.7	125.0	80.0	40.0	50.0	50.0	50.0	50.0
Limit [#]	6.3	0.391	0.5	1.0	1.0	1.8	0.35	2.1	0.53	3.2

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Revised 04/2020

