

Date: 18th July 2023

CALIBRATION CERTIFICATE

This is to Certify that Sysmex Hematology Analyzer XN-10 bearing
Serial No: 51194 is Calibrated at Employee State Insurance Corporation
Model Hospital – Bangalore – 560 010.

With Calibrator XN CAL bearing LOT 31912101 with Exp Date: 13/08/2023

Please refer attached details:

Calibration Done on: 18th July 2023
Next Calibration Date: ON or Before 18th July 2024

For Sysmex India Pvt. Ltd.,



Authorized Signatory

< XN CHECK™ ASSAY SHEET >

For XN Series

Lot No. 31561103

Exp. date 2023-08-27

L3 : Level 3

	RBC 10 ⁶ /μL	HGB		HCT %	MCV fL	MCH		MCHC		PLT 10 ³ /μL
		g/dL	mmol/L			pg	fmol	g/dL	mmol/L	
TARGET	4.96	14.4	8.9	42.0	84.6	29.0	1.802	34.3	21.3	568
LIMIT	0.25	0.4	0.6	4.2	4.2	2.3	0.144	4.8	3.0	51

	RDW-SD fL	RDW-CV %	PDW fL	PCT %	MPV fL	P-LCR %
TARGET	50.7	17.0	8.8	0.54	9.4	16.4
LIMIT	5.1	1.7	1.1	0.14	0.7	24.6

	WBC 10 ³ /μL	WBC-D 10 ³ /μL	WBC-P 10 ³ /μL	NEUT# 10 ³ /μL	LYMPH# 10 ³ /μL	MONO# 10 ³ /μL	EO# 10 ³ /μL	BASO# 10 ³ /μL	IG# 10 ³ /μL	NRBC# 10 ³ /μL	HPC# 10 ³ /μL	AS-LYMP# 10 ³ /μL
TARGET	15.81	16.09	16.44	7.78	3.77	1.77	1.72	0.77	1.96	1.11	0.164	0.64
LIMIT	0.95	0.97	0.99	1.17	0.75	0.89	0.86	0.60	0.49	0.56	0.049	0.32

	NEUT% %	LYMPH% %	MONO% %	EO% %	BASO% %	IG% %	NRBC% %	HPC% %	AS-LYMP% %	NEUT-RI FI	NEUT-GI SI
TARGET	49.3	23.8	11.2	10.9	4.8	12.4	7.1	1.00	4.0	84.9	171.0
LIMIT	7.4	4.8	5.6	5.5	3.7	3.1	3.6	0.30	2.0	34.0	17.1

	PLT-F 10 ³ /μL	IPF# 10 ³ /μL	IPF %	RE-LYMP# 10 ³ /μL	RE-LYMP% %
TARGET	536	108.1	20.2	0.97	6.1
LIMIT	80	75.7	5.0	0.49	3.1

	RET# 10 ⁶ /μL	RET% %	RBC-O 10 ⁶ /μL	HFR %	MFR %	LFR %	IRF %	RET-He		RBC-He		PLT-O 10 ³ /μL
								pg	fmol	pg	fmol	
TARGET	0.0611	1.23	4.85	3.1	24.7	72.2	27.8	25.6	1.589	29.4	1.825	543
LIMIT	0.0183	0.43	0.49	11.0	28.0	33.0	36.0	2.6	0.159	5.9	0.365	81

	HYPO-He %	HYPER-He %	MicroR %	MacroR %
TARGET	0.3	0.4	5.3	4.5
LIMIT	3.0	1.0	4.2	1.8

There are some parameters which is not displayed on IPU according to the instrument.

Please refer to the package insert for the handling of the XN CHECK.

Do not leave control blood in the room temperature over an hour.

Please store it in a refrigerator (2-8°C) immediately after use.

Confidential

< XN CAL™ ASSAY SHEET for service staff >

For XN-10 and XN-20

Lot No. **31912101**

Use between * **2023-07-17** and **2023-07-23**

Exp. Date **2023-08-13**

	RBC 10 ⁶ /μL	HGB		HCT %	PLT 10 ³ /μL	MPV fL
		g/dL	m mol/L			
TARGET	4.373	11.94	7.41	35.03	249.5	9.5

	WBC 10 ³ /μL	WBC-D 10 ³ /μL	WBC-P 10 ³ /μL	RET% %	RBC-O 10 ⁶ /μL	PLT-O 10 ³ /μL
TARGET	6.733	6.816	6.981	2.390	4.288	237.2

	MCV fL	MCH **		MCHC **		RBC-He		RET-He	
		pg	f mol	g/dL	m mol/L	pg	f mol	pg	f mol
TARGET	80.1	27.3	1.694	34.1	21.2	28.4	1.763	25.8	1.601

	RET# ** 10 ⁶ /μL	HFR ** %	MFR ** %	LFR ** %	IRF ** %
TARGET	0.105	2.1	23.1	74.8	25.2

	WNR-X (SFL) ch	WNR-Y (FSL) ch	WNR-Z (SSC) ch	WDF-X (SSC) ch	WDF-Y (SFL) ch	WDF-Z (FSL) ch	WPC-X (SSC) ch	WPC-Y (SFL) ch	WPC-Z (FSL) ch
TARGET	183.9	167.8	114.5	168.7	106.6	117.9	205.8	193.6	135.3

	RET-RBC-X (SFL) ch	RET-RBC-Y (FSL) ch	RET-RBC-Z (SSC) ch	PLT-F-RBC-X (SFL) ch	PLT-F-RBC-Y (FSL) ch	PLT-F-Z (SSC) ch
TARGET	24.0	160.1	24.5	85.6	231.4	35.5

There are some parameters which is not displayed on IPU according to the instrument.

Please refer to the package insert for the handling of the XN CAL.

Do not leave calibrator in the room temperature over an hour.

Please store it in a refrigerator (2-8°C) immediately after use.

*: This refers to the validity of the assay values for service parameters.

** : Don't calibrate ** marked parameter.

< XN CHECK™ ASSAY SHEET >

For XN Series

Lot No. 31581101

Exp. date 2023-08-27

L1 : Level 1

	RBC 10 ⁶ /μL	HGB		HCT %	MCV fL	MCH		MCHC		PLT 10 ³ /μL
		g/dL	mmol/L			pg	fmol	g/dL	mmol/L	
TARGET	2.34	5.3	3.3	15.9	67.9	22.6	1.406	33.3	20.7	99
LIMIT	0.12	0.2	0.1	1.6	3.4	2.0	0.127	5.0	3.1	79

	RDW-SD fL	RDW-CV %	PDW fL	PCT %	MPV fL	P-LCR %
TARGET	47.0	19.4	6.8	0.09	9.0	9.0
LIMIT	4.7	1.9	5.4	0.10	9.0	30.0

	WBC 10 ³ /μL	WBC-D 10 ³ /μL	WBC-P 10 ³ /μL	NEUT# 10 ³ /μL	LYMPH# 10 ³ /μL	MONO# 10 ³ /μL	EO# 10 ³ /μL	BASO# 10 ³ /μL	IG# 10 ³ /μL	NRBC# 10 ³ /μL	HPC# 10 ³ /μL	AS-LYMP# 10 ³ /μL
TARGET	2.94	2.93	3.04	1.16	1.05	0.31	0.28	0.14	0.29	0.14	0.031	0.18
LIMIT	0.29	0.29	0.30	0.23	0.42	0.25	0.14	0.11	0.09	0.07	0.016	0.11

	NEUT% %	LYMPH% %	MONO% %	EO% %	BASO% %	IG% %	NRBC% %	HPC% %	AS-LYMP% %	NEUT-RI FI	NEUT-GI SI
TARGET	39.4	35.7	10.6	9.5	4.8	10.0	4.8	1.01	6.1	101.6	168.7
LIMIT	7.9	14.3	8.5	4.8	3.7	3.0	2.4	0.51	3.7	40.6	16.9

	PLT-F 10 ³ /μL	IPF# 10 ³ /μL	IPF %	RE-LYMP# 10 ³ /μL	RE-LYMP% %
TARGET	91	17.1	18.9	0.27	9.2
LIMIT	41	16.2	5.0	0.16	5.5

	RET# 10 ⁶ /μL	RET% %	RBC-O 10 ⁶ /μL	HFR %	MFR %	LFR %	IRF %	RET-He		RBC-He		PLT-O 10 ³ /μL
								pg	fmol	pg	fmol	
TARGET	0.1412	6.03	2.30	4.6	27.4	68.0	32.0	23.7	1.471	23.9	1.483	97
LIMIT	0.0424	1.21	0.23	11.0	28.0	33.0	36.0	2.4	0.147	4.8	0.297	68

	HYPO-He %	HYPERS-He %	MicroR %	MacroR %
TARGET	7.1	0.1	36.2	1.4
LIMIT	7.0	0.7	21.7	0.7

There are some parameters which is not displayed on IPU according to the instrument.

Please refer to the package insert for the handling of the XN CHECK.

Do not leave control blood in the room temperature over an hour.

Please store it in a refrigerator (2-8°C) immediately after use.

< XN CHECK™ BF ASSAY SHEET >

For XN Series

Lot No. 31561301

Exp. date 2023-08-27

L1 : Level 1

	WBC-BF 10 ³ /μL	RBC-BF 10 ⁶ /μL	MN# 10 ³ /μL	PMN# 10 ³ /μL	MN% %	PMN% %	TC-BF# 10 ³ /μL
TARGET	0.071	0.025	0.017	0.054	24.5	75.5	0.071
LIMIT	0.025	0.009	0.012	0.038	17.2	52.9	0.025

Please refer to the package insert for the handling of the XN CHECK BF.

Do not leave control blood in the room temperature over an hour.

Please store it in a refrigerator (2-8°C) immediately after use.

< XN CHECK™ BF ASSAY SHEET >

For XN Series

Lot No. 31561302

Exp. date 2023-08-27

L2 : Level 2

	WBC-BF $10^3/\mu\text{L}$	RBC-BF $10^6/\mu\text{L}$	MN# $10^3/\mu\text{L}$	PMN# $10^3/\mu\text{L}$	MN% %	PMN% %	TC-BF# $10^3/\mu\text{L}$
TARGET	0.298	0.073	0.074	0.224	24.9	75.1	0.298
LIMIT	0.075	0.018	0.044	0.134	14.9	45.1	0.075

Please refer to the package insert for the handling of the XN CHECK BF.

Do not leave control blood in the room temperature over an hour.

Please store it in a refrigerator (2-8°C) immediately after use.

< XN CHECK™ ASSAY SHEET >

For XN Series

Lot No. 31591102

Exp. date 2023-08-27

L2 : Level 2

	RBC 10 ⁹ /μL	HGB		HCT %	MCV fL	MCH		MCHC		PLT 10 ³ /μL
		g/dL	mmol/L			pg	fmol	g/dL	mmol/L	
TARGET	4.28	11.6	7.2	34.1	79.6	27.1	1.682	34.0	21.1	252
LIMIT	0.21	0.3	0.2	3.4	4.0	2.2	0.135	4.8	3.0	38

	RDW-SD fL	RDW-CV %	PDW fL	PCT %	MPV fL	P-LCR %
TARGET	50.4	17.7	8.8	0.25	9.8	18.7
LIMIT	5.0	1.8	1.4	0.08	0.9	28.1

	WBC 10 ³ /μL	WBC-D 10 ³ /μL	WBC-P 10 ³ /μL	NEUT# 10 ³ /μL	LYMPH# 10 ³ /μL	MONO# 10 ³ /μL	EO# 10 ³ /μL	BASO# 10 ³ /μL	IG# 10 ³ /μL	NRBC# 10 ³ /μL	HPC# 10 ³ /μL	AS-LYMP# 10 ³ /μL
TARGET	6.75	6.87	7.04	3.02	1.91	0.78	0.71	0.33	0.77	0.43	0.071	0.32
LIMIT	0.41	0.41	0.63	0.45	0.38	0.47	0.36	0.26	0.23	0.22	0.028	0.16

	NEUT% %	LYMPH% %	MONO% %	EO% %	BASO% %	IG% %	NRBC% %	HPC% %	AS-LYMP% %	NEUT-RI FI	NEUT-GI SI
TARGET	44.9	28.3	11.5	10.5	4.8	11.4	6.3	1.00	4.7	92.2	169.2
LIMIT	6.7	5.7	6.9	5.3	3.7	3.4	3.2	0.40	2.4	36.9	16.9

	PLT-F 10 ³ /μL	IPF# 10 ³ /μL	IPF %	RE-LYMP# 10 ³ /μL	RE-LYMP% %
TARGET	241	48.5	20.1	0.48	7.2
LIMIT	72	36.4	5.0	0.24	3.6

	RET# 10 ⁶ /μL	RET% %	RBC-O 10 ⁹ /μL	HFR %	MFR %	LFR %	IRF %	RET-He		RBC-He		PLT-O 10 ³ /μL
								pg	fmol	pg	fmol	
TARGET	0.1146	2.68	4.13	4.2	28.0	67.8	32.2	25.1	1.558	28.3	1.756	239
LIMIT	0.0344	0.54	0.41	11.0	28.0	33.0	36.0	2.5	0.156	5.7	0.351	72

	HYPO-He %	HYPER-He %	MicroR %	MacroR %
TARGET	0.7	0.3	10.9	3.8
LIMIT	4.0	0.7	7.6	1.5

There are some parameters which is not displayed on IPU according to the instrument.

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