

CALIBRATION CERTIFICATE

Calibration of the **LIFOTRONIC-H9** (Fully Automated Hemoglobin Analyzer) has been carried out as per the recommendations of the principle company **SHENZHEN LIFOTRONIC TECHNOLOGY CO., LTD, China.**

Customer Name & Address: KRSNAA DIAGNOSTICS PVT LTD, Regional Hospital, Tehsil Sadar, Himachal Pradesh 175018.	Installation Date : 27.10.2022 Calibration Date : 27.10.2023 Calibration Due Date: 26.10.2024
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Instrument Serial No:	IA2B00001630
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Software Version Information:

System Version:	01.00.21-S
MCU1 Version:	01.00.02-H
MCU2 Version:	01.00.01-G

Monitoring Information:

Test Mode	96s-HbA1C
HP Pressure pump stepping Value	105
Column Temp	40
H9 Temp	39.8
N.P.	64
ADC 415	24936
ADC 500	17856
ADC	6283

INSTRUMENT CALIBRATION DATAS:

Global Data:

System Parameters:

2D Arm Parameters:

X-axis	Value
Rack Routine(50-200mm)	115
ST Routine(50-200mm)	148

Z-axis	Value
Blood Tube Routine(10-250mm)	116
Diluted Tube Routine(10-250mm)	48
Diluting Cup Routine(10-250mm)	200
Press Cap Routine(10-100mm)	50

Hardware Parameter Settings:

High Pressure Pump Stepping value	
Distance from Rack Detector to 1 st Tube(0-50mm)	105
Distance Between 2 Consecutive Tubes(150-250mm)	4
	196

Operation Parameters:

Test Mode	
Reagent Version	96s-HbA1C
HbA1C Area Ratio	A1
Variant Ratio Limit	100
	10

Elution Parameters:

Peaks	Start Time	End Time
HbA1a	7	
HbA1b	14	14
HbF	18	18
LA1C	23	23
HbA1C	32	28
HbA0	50	45
		90

Pressure Settings:

Parameters	Value
Pressure (Mpa) >	3
Pressure (Mpa) <	12
HP Pump(PPS)	105

Flow cell Adjustment:

Parameters	Value
DAC LED	1880
Gain 415	24936
Gain 500	17856

Reagent Setup:

Parameters	Value
Reagent Version	AI
Test Mode	96s-HbA1C

Matrix Labs. Representatives:

Date: 27.10.2023

A. Performed By:

Instrument has been checked thoroughly and ensured the performance of the instrument and can be released for the routine operation.

Muneesh M
MUNEESH M

(Installation Engineer Signature & Name)

B. Verified By:

Instrument has been verified & released for the routine operation.

A. Ravi Kumar
A.RAVI KUMAR

(GM-Engineering Services Signature & Name)