

CALIBRATION CERTIFICATE

Calibration of the **LIFOTRONICS-H9 HbA1c** (HPLC Analyzer) has been carried out as per the recommendations of the principle company **SHENZHEN LIFOTRONIC TECHNOLOGY CO., LTD, China.**

Customer Name & Address: KRSNAA DIGNOSTICS LTD, Civil Hospital Rohru Himachal Pradash-171207	Installation Date: 15.09.2023 Calibration Date: 14.10.2023 Calibration Due Date: 13.10.2024
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Serial No:	IA2B00001623
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INSTRUMENT CALIBRATION DATAS:

System Parameters:

Sample Volume:	8
Baud Rate Setting:	9600
Bias Adjustment (-2% to 2%):	1
X Axis Rack Routine (50-200mm):	117
X Axis ST Routine (50-200mm):	148
Z Axis Blood Collection Tube Routine (10-250mm):	117
Z Axis Diluted Tube Routine (10-250mm):	48
Z Axis Diluted Cup Routine (10-250mm):	201
Z Axis Press Cap Routine (10-100mm):	50

Hardware Parameters:

High Pressure Pump Stepping Value (10-200ms/Step)	100
High Pressure Limit (10 – 15 MPa)	12
Low Pressure Limit (0 – 6 MPa)	3
SYS Version:	01.00.22-S
MCU1 Version:	01.00.02-H
MCU2 Version:	01.00.01-G
Sensor Type:	A1
LED :	1910
415nm Gain	24200
500nm Gain	18400



ADC 415 :	255
ADC 500 ;	105
N.P % < :	70
N.P % :	65

Operation Parameters:

Barcode Scanner :	TURNON
Test Mode :	96-HbA1c
Heating Module Version :	A0
Temperature Adjustment Mode :	MANUAL
Auto sampler Circulation Function :	TURNON
6 Way Valve Type :	VICI
Degasser :	ON
Area Ratio :	100
Reagent Version :	A0
Variant Ratio Limit :	10
Column Reset Number :	3000
Column Version :	A0
Filter Reset Number :	800
Auto LIS Function :	ON

Elution Parameters:

HbA1a Peak Start Time (1 – 250s)	7
HbA1a Peak End Time (1 – 250s)	14
HbA1b Peak Start Time (1 – 250s)	14
HbA1b Peak End Time (1 – 250s)	18
HbF Peak Start Time (1 – 250s)	18
HbF Peak End Time (1 – 250s)	23
LA1c Peak Start Time (1 – 250s)	23
LA1c Peak End Time (1 – 250s)	28
HbA1c Peak Start Time (1 – 250s)	32
HbA1c Peak End Time (1 – 250s)	45
HbA0 Peak Start Time (1 – 250s)	50
HbA0 Peak End Time (1 – 250s)	90



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Elution Sequence:

A1	B2	A3	C4	B5	A6
0	36	18	10	3	29

Matrix Labs Representatives: Abhishek Kumar Gupta

Date: 29.11.23

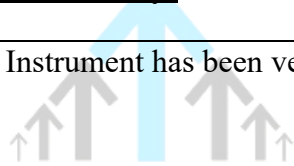
A. Performed By:

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

ABHISHEK KUMAR GUPTA
(Enginner – Field Support Signature & Name)

B. Verified By:

Instrument has been verified & released for the routine operation.



MATRIX LABS

HEALTHCARE SOLUTIONS

A. RAVIKUMAR
(G.M.-Engineering Services Signature &

Name)

