

CALIBRATION CERTIFICATE

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

Customer Name & Address:-	
Redcliffe Lifetech Private	Installation Date : 22.12.2022
Limited, (Redcliffe Labs)	Calibration Date : 22.12.2022
14-37-38, Krishna Nagar, Maharanipeta, Vishakapatnam -	Calibration Due Date: 21.12.2023
530 002.	

Serial No:	IA2B00002644

Software Version Information:

System Version:	01.00.22-S
MCU1 Version:	01.00.02-Н
MCU2 Version:	01.00.01-G

Monitoring Information:

Test Mode	96s - HbA1c
HP Pressure pump stepping Value	115
Column Temp	40
H9 Temp	25
N.P.	66
ADC 415	25266
ADC 500	18065
ADC	7101



INSTRUMENT CALIBRATION DATAS:

Global Data: System Parameters:

2D Arm Parameters:

X-axis	Value
Rack Routine(50-200mm)	116
ST Routine(50-200mm)	148

Z-axis	Value
Blood Tube Routine(10-250mm)	119
Diluted Tube Routine(10-250mm)	50
Diluting Cup Routine(10-250mm)	200
Press Cap Routine(10-100mm)	50

Hardware Parameter Settings:

High Pressure Pump Stepping value	115
Distance from Rack Detector to 1 st Tube(0-50mm)	3
Distance Between 2 Consecutive Tubes(150-250mm)	195

Operation Parameters:

Test Mode	96s-HbA1c
Reagent Version	SX
E/D/S/C Peak ABS Limit	51
Variant Ratio Limit	10

Elution Parameters:

Peaks	Start Time	End Time
HbA1a	7	14
HbA1b	14	18
HbF	18	23
LA1C	23	28
HbA1C	32	45
P3	45	90

Pressure Settings:

Parameters	Value
N.P(%)	66
N.P.(s)	60
Pressure (Mpa) >	3
Pressure (Mpa) <	12
HP Pump(PPS)	115

Flow cell Adjustment:

Parameters	Value
DAC_LED	1930
Gain 415	25266
Gain 500	18065

Reagent Setup:

Parameters	Value
Reagent Version	SX
Test Mode	96s-HbA1c

Matrix Labs. Representatives: Date: 22.12.2022 <u>A. Performed By:</u>

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

G. Rector

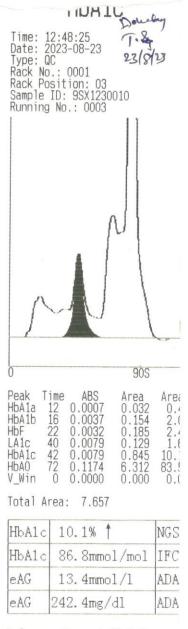
G.RAYAPPAN (Manager – Customer Support Signature & Name)

B. Verified By:

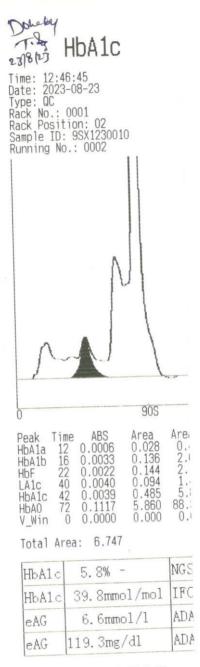
Instrument has been verified & released for the routine operation.

Be Com Commi

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



Reference Range:4.0%-6.1% Operator:



Reference Range:4.0%-6.1% Operator: