

CALIBRATION CERTIFICATE

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

Customer Name & Address: REDCLIFFE LIFETECH PVT LTD, CG 23, SECTOR 2, SALT LAKE CITY, 1st AND 2nd FLOOR KOLKATA 700091	Installation Date : 12.07.2022 Calibration Date : 15.07.2022 Calibration Due Date: 14.07.2023
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Serial No:	IA2B00001111
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Software Version Information:

System Version:	01.00.00
MCU1 Version:	01.00.00
MCU2 Version:	01.00.01

Monitoring Information:

Test Mode	HbA1C
HP Pressure pump stepping Value	111
Column Temp	35
H9 Temp	26.4
N.P.	66
ADC 415	25516
ADC 500	18466
ADC	6926

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)	117
Diluted Tube Routine(10-250mm)	47
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)	4
Distance Between 2 Consecutive Tubes(150-250mm)	196

Operation Parameters:

Test Mode	Thalassemia
Reagent Version	SX
E/D/S/C Peak ABS Limit	51
Variant Ratio Limit	10

Elution Parameters:

Peaks	Start Time	End Time
HbA1a	9	15
HbA1b	15	25
HbF	25	35
LA1C	35	45
HbA1C	45	65
P3	65	90

Variant Parameters:

Peaks	Start Time	End Time
P4	90	110
HbA0	110	165
HbA2	165	220

HbE	220	238
HbD	238	254
HbS	254	290
HbC	290	330

Pressure Settings:

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

Flowcell Adjustment:

Parameters	Value
DAC_LED	2000
Gain 415	25241
Gain 500	18652

Reagent Setup:

Parameters	Value
Reagent Version	SX
Test Mode	Thalassemia

Matrix Labs. Representatives:

Date: 12.07.2022

A. Performed By:

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

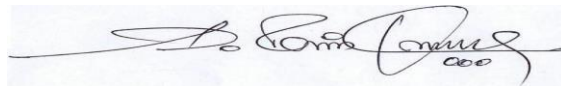


S Devan

(Engineer – Customer Support Signature & Name)

B. Verified By:

Instrument has been verified & released for the routine operation.



A.RAVIKUMAR

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

HbA1c

Time: 16:15:31
Date: 2023-01-17
Type: QC
Rack No.: 0001
Rack Position: 03
Sample ID: H9SX220072
Running No.: 0003

HbA1c	10.3% ↑	NGSP
HbA1c	89.0mmol/mol	IFCC
eAG	13.7mmol/l	ADA
eAG	248.1mg/dl	ADA

Reference Range: 4.0%-6.1%
Operator:



HbA1c

Time: 16:13:51
Date: 2023-01-17
Type: QC
Rack No.: 0001
Rack Position: 02
Sample ID: H9SX220072
Running No.: 0002

HbA1c	6.5% ↑	NGSP
HbA1c	47.5mmol/mol	IFCC
eAG	7.7mmol/l	ADA
eAG	139.4mg/dl	ADA

Reference Range: 4.0%-6.1%
Operator: