

Calibration Certificate

Following Values have been checked and adjusted on Instrument BS 240E (Sr. No.: BC8-7A000001)

at Shiv Diagnostics near spectrum mall court road kashipur-244713

System Voltages are in Specified Range-Checked by Digital Multimeter are as below:

S.No.	Module	Observed Value	Acceptable Range
1	24 Voltage Supply	24.4 VDC	24.0 +/- 1.0 VDC
2	12 Voltage Supply	12.3 VDC	12.0 +/-0.5 VDC
3	5 Voltage Supply	5.00 VDC	5.00 +/-0.1 VDC
4	Liquid Level Sensor Board Supply	4.2 VDC	4.0 +/- 0.1 VDC

System Temperature values are in specified range –Checked by Digital Thermometer are as below

S.No.	Module	Observed Value	Acceptable Range
1	Reagent Preheater Temp.	45.1°C	45 +/-0.5 °C
2	Reaction Disk Temp.	37°C	37 +/- 0.4 °C
3	Reagent Compartment Temp.	10.12°C	8 to 12 °C

Photometer Adjustment Values are within range as recommended:

S.No.	Module	Observed Value	Acceptable Range
1	Background count for all Wavelength	52500 +/-40	48000 to 55000

Pipetting Syringes are ok Volume dispensed measured on Digital Weighting Machine:

S.No.	Module	Observed value	Acceptable Range
1	Reagent/Sample syringe	500uL	500+/-1uL

Washing Dispense are OK Volume Dispensed Measured on Digital Weighing Machine

S.No.	Module	Observed Value	Acceptable Range
1	Interior Washing	3.02mL	3.00+/-500uL
2	Exterior Washing	3.05mL	3.00+/-500uL

- ⇒ All Other Mechanisms Have Been Checked Through Software and Found Ok.
- ⇒ Performed Calibration for End Point, Kinetic & Fixed Time Kinetic Run Controls & Sample, Results were satisfactory.
- ⇒ Next Calibration will be performed on 18/10/2024.

Date: 19/10/2023



Chem ALL

History

Cal Date 25/10/2023

25/10/2023

Chem	Flag	Cal Status	Cal Date/Time	R0	K	A
CREA-S		Calibrated	23/09/2023 10:28:46	72.9403	0.0032	
T-bil-D II		Calibrated	23/09/2023 10:27:03	-0.8653	0.0122	
D-bil-D II		Calibrated	15/09/2023 11:38:31	0.1473	0.0019	
ALT		Calibrated	16/04/2023 12:12:44	5.6076	0.5213	
AST		Calibrated	23/09/2023 10:27:46	0.2283	0.5211	
ALP		Calibrated	15/09/2023 11:39:31	20.3663	0.5104	
γ-GT		Calibrated	22/09/2022 17:13:36	5.6864	0.2300	
TP		Calibrated	02/07/2023 18:28:02	-10.3307	0.0065	
ALB		Calibrated	15/09/2023 11:36:02	227.3124	0.0006	
TG	FAC	Calibrated	22/09/2022 17:14:06	1.9395	0.0444	

Search
F1

Cal Curve
F2

Reac Curve
F3

Edit
F4

Archive
F5

Trend
F6

Print
F7

Chem

ALL



Current



History

Cal Date

25/10/2023

25/10/2023

Chem	Flag	Cal Status	Cal Date/Time	R0	K	A
LDL-C		Edited	10/07/2023 15:23:33	15.5314	0.0535	
HDL-C	FAC	Calibrated	22/09/2022 16:25:36	6.5539	0.0446	
TC	FAC	Calibrated	22/09/2022 17:11:21	-0.1888	0.0433	
UA		Calibrated	02/07/2023 18:28:15	-46.9279	0.0077	
UREA		Calibrated	12/09/2023 12:11:20	14.1847	0.1236	
Ca	FAC	Calibrated	22/09/2022 17:10:36	-9.3449	0.0022	
α-AMY		Calibrated	22/09/2022 17:16:51	12.2875	0.6423	
Glu-G		Calibrated	21/01/2023 18:14:40	-11.2353	0.0291	
TG A		Calibrated	28/07/2023 12:49:24	-1.7232	0.0561	
GGT A		Calibrated	16/03/2020 17:00:39	7.4257	0.2170	

Search
F1Cal Curve
F2Reac Curve
F3Edit
F4Archive
F5Trend
F6Print
F7

Chem 

Current

History

Cal Date

Chem	Flag	Cal Status	Cal Date/Time	RO
Fe		Calibrated	22/10/2023 20:38:17	125.4707
GGT H		Calibrated	09/06/2020 20:34:18	10.9796
UA H		Calibrated	08/03/2021 12:45:51	-8.5492
GLU A		Calibrated	22/12/2020 13:21:07	-4.3225
CRP H		Calibrated	14/08/2021 15:00:29	249.7252
				341.4142
				461.7502
				758.1407
				1508.4960
				3186.4249

Search
F1

Cal Curve
F2

Reac Curve
F3


Edit
F4

Print
F5

Chem 

Current

History

Cal Date 

Chem	Flag	Cal Status	Cal Date/Time	R0	K
LDH H		Calibrated	18/01/2022 20:43:34	-3.0143	-0.5248
LIPASE H		Calibrated	30/06/2021 14:13:15	117.4944	0.1444
AMY AGP		Calibrated	28/07/2023 12:49:09	0.1364	0.4674
Hb-2		Calibrated	08/08/2023 12:58:13	-18.8112	0.0570
HbA1c-2		Calibrated	08/08/2023 13:03:29	87.6203	0.0147
CRP II		Calibrated	20/02/2023 20:08:10	380.2658	8498.3130
LDH		Calibrated	22/09/2022 16:24:06	0.5156	0.6038
MALB		Extended	17/12/2022 11:42:23	2281.5614	
				4317.3246	
				7041.3987	



Search
F1

Cal Curve
F2

Reac Curve
F3

Edit
F4

Archive
F5

Trend
F6

Print
F7

Reagent/Calibration

Biochemistry Calibration

Reagent Carousel Status

Cal Setup

Chem ALL

Current

History

Cal Date 25/10/2023

25/10

Chem	Flag	Cal Status	Cal Date/Time	R0	K
				11089.9262	
HCY DIASYS		Calibrated	29/08/2023 22:13:09	13.2519	
				146.2062	
				228.7196	
				350.0046	
				538.1710	

Search
F1

Cal Curve
F2

Reac Curve
F3

Edit
F4

Archive
F5

Trend
F6

Print
F7

Program

Result

Reagent

QC

Utility

Alarm

Exit