



Calibration Certificate

Following values have been checked & adjusted on BS 240(SI.No.YX- 13003923)at Vision Diagnostic Centre a unit of Dr, M.C. Aggarwal Hospital and Research Centre (p) Ltd.

System voltages are in the specified range –Checked by Digital Multimeter are as below:

S.No.	Module	Observed Value	Acceptable Range
1	24 Voltage Supply	24.3 VDC	24.0 +/- 1.0 VDC
2	12 Voltage Supply	12.2 VDC	12.0 +/- 0.5 VDC
3	5 Voltage Supply	5.01 VDC	5.00 +/- 0.1 VDC
4	Liquid Level Sensor Board Supply	4.0 VDC	4.0 +/- 0.1 VDC

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

S.No.	Module	Observed Value	Acceptable Range
1	Reagent Preheater Temp.	45 °C	45 +/- 0.5 °C
2	Reaction Disk Temp.	37 °C	37 +/- 0.4 °C
3	Reagent Compartment Temp.	10 °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	52,000 +/-40	48,000 to 55,000

Pipetting Syringes are Ok volume dispensed measured on Digital Weighing Machine:

S.No.	Module	Observed Value	Acceptable Range
1	Reagent/Sample Syringe	500 uL	500 +/-1uL

Washing Dispense are Ok volume dispensed measured on Digital Weighing Machine

S.No.	Module	Observed Value	Acceptable Range
1	Interior Washing	3.01 mL	3.00 +/- 500uL
2	Exterior Washing	3.01 mL	3.00 +/- 500uL

- All other mechanisms have been checked through software and found OK.
- Performed calibration for End Point, Kinetic & Fixed Time Kinetic.Run control & sample, Results were satisfactory.
- Next Calibration will be performed on 06-10-22.

For,Star Biomed Pvt. Ltd.


Ankur Gupta
Service Engineer

Date:5-04-2022

Calibration Result List

Chemistry	Cal Status	R0	K	A	B	C	D	Cal Date/Time
Ca	Calibrated	-6.5936	0.0029					04/29/2022 10:09:42 AM
Ca	Calibrated	-14.7086	0.0031					04/14/2022 10:21:46 AM
P	Calibrated	68.0132	0.0023					04/29/2022 10:17:30 AM
P	Calibrated	65.7865	0.0023					04/14/2022 10:31:04 AM
T-bil-D II	Calibrated	3.3768	0.0124					04/29/2022 10:18:43 AM
T-bil-D II	Calibrated	2.0389	0.0122					04/14/2022 10:32:52 AM
D-bil-D II	Calibrated	-1.7022	0.0018					04/29/2022 10:19:37 AM
D-bil-D II	Calibrated	1.2668	0.0018					04/14/2022 10:33:28 AM
ALP	Calibrated	35.4226	0.7754					04/29/2022 10:14:49 AM
ALP	Calibrated	38.5805	0.6623					04/14/2022 10:28:40 AM
TP	Calibrated	-3.6163	0.0037					04/29/2022 10:21:25 AM
TP	Calibrated	-0.6293	0.0038					04/14/2022 10:34:04 AM
ALB II	Calibrated	191.5737	0.0006					04/29/2022 10:17:13 AM
ALB II	Calibrated	165.2905	0.0006					04/14/2022 10:30:28 AM
CREA-S	Calibrated	72.0367	0.0035					04/29/2022 10:23:13 AM
CREA-S	Calibrated	75.9745	0.0036					04/14/2022 10:36:28 AM
UA	Calibrated	64.5651	0.0077					04/29/2022 10:24:25 AM
UA	Calibrated	62.8747	0.0077					04/14/2022 10:37:04 AM
UREA	Calibrated	23.2822	0.1344					04/29/2022 10:20:49 AM
UREA	Calibrated	25.3028	0.1398					04/14/2022 10:33:10 AM
LDH	Calibrated	0.9666	0.7427					04/29/2022 10:22:37 AM
LDH	Calibrated	-3.3245	0.7557					04/14/2022 10:36:10 AM

Calibration Result List

Chemistry	Cal Status	R0	K	A	B	C	D	Cal Date/Time
GLU H	Calibrated	8.3259						04/29/2022 10:26:13 AM
			0.0407					
GLU H	Calibrated	-2.9184						04/14/2022 10:40:40 AM
			0.0412					
AST/SGOT	Calibrated	0.7399						04/29/2022 10:25:55 AM
			0.3080					
AST/SGOT	Calibrated	3.1488						04/14/2022 10:42:10 AM
			0.2985					
ALT/SGPT	Calibrated	14.6946						04/29/2022 10:28:55 AM
			0.2925					
ALT/SGPT	Calibrated	-0.1408						04/14/2022 10:42:46 AM
			0.2880					
TG	Calibrated	10.2091						04/29/2022 10:30:25 AM
			0.0446					
TG	Calibrated	5.1965						04/14/2022 10:44:16 AM
			0.0453					
LDL-C	Calibrated	25.3164						04/29/2022 10:31:37 AM
			0.0412					
LDL-C	Calibrated	120.4760						04/14/2022 10:45:28 AM
			0.0454					
HDL-C	Calibrated	7.8802						04/29/2022 10:33:06 AM
			0.0468					
HDL-C	Calibrated	12.6247						04/14/2022 10:46:04 AM
			0.0448					
TC	Calibrated	7.6828						04/29/2022 10:28:36 AM
			0.0455					
TC	Calibrated	5.0028						04/14/2022 10:41:16 AM
			0.0474					
γ-GT	Cal Failed							04/29/2022 10:29:30 AM
γ-GT	Cal Failed							04/14/2022 10:56:16 AM
α-AMY	Calibrated	17.4559						04/29/2022 10:35:12 AM
			0.7103					
α-AMY	Calibrated	18.3346						04/14/2022 10:45:10 AM
			0.7134					
LIP	Calibrated	45.3405						04/29/2022 10:35:13 AM
			0.5547					
LIP	Calibrated	18.9845						04/14/2022 10:45:46 AM
			0.4582					