

MINDRAY – BS240 Auto Bio Chemistry Analyser

Customer Address: **Medcity Referral Laboratory**
Opp. Bustand, Bell Square Complex
(Ground Floor), Near Badariya Hotel
Thaliparampa.

Contact person: Mr. Rajeesh
Telephone No: 9446391920

Serial no: YX-79001079

Calibrated date: 02/08/2021

Calibration Certificate

CALIBRATION

The Analyzer has been calibrated with Mindray Multi Sera Calibrator for Glucose, Ceratinine and Urea, T.Bilirubin, Direct Bilirubin, Serum Gulamic-Pyruvic Tranaminase, Serum Glutamic Oxaloacetic Transaminase, Alkaline Phosphatase, Total Protein, Triglycerides, Albumin

Calibrator Manufacture : Mindray
Calibrator name : Multi Sera Calibrator
Lot no. : 150120007
Expiry date : 22-09-2022

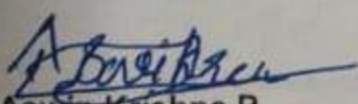
QUALITY CONTROL CHECK

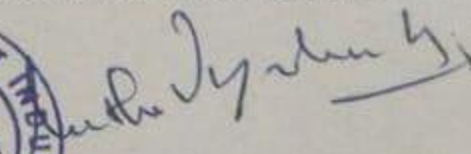
Calibrator Manufacture : Mindray
Calibrator name : Clinichem Control
Lot no. : 059321004
Expiry date : 26-10-2022

Carried out Multi Sera Calibration found values are within specified range.

REMARKS

The system meets all criteria outlined in this Calibration Certificate Documents. All the required parameters have been checked and instrument is ready for regular use.

Performer : 
Aswin Krishna.P
Designation : Application specialist
Date : 06/08/2021

Reviewer : 
Muthu vigneshwar . K.P
Designation : Application Manager



Levey-Jennings Chart

Chemistry: T-bil-D II Date Range: 02-08-2021 - 02-08-2021
 Full Name: Bilirubin Total (DSA Method) Unit: mg/dL Test Equipment:
 Set Measured

Control	Lot No.	Mean	SD	CV	Mean	SD	CV	N
CLINICHEM1	059321004	1.22	0.09	7.38%	1.1602	0.0000	0.00%	1



Control	CLINICHEM1	Lot No.	059321004	Date	Result	Operator	Date	Result	Operator
02-08-2021	1.16								

Conclusion:

Levey-Jennings Chart

Chemistry: UREA
Full Name: Urea

Date Range: 02-08-2021 - 02-08-2021

Unit: mg/dL Test Equipment:

Set Measured

Control	Lot No.	Mean	SD	CV	Mean	SD	CV	N
CLINICHEM1	059321004	39.9	2	5.01%	39.313	0.00	0.00%	1



Control	CLINICHEM1	Lot No.	059321004					
Date	Result	Operator	Date	Result	Operator	Date	Result	Operator
02-08-2021	39.31							

Conclusion:

Chem: TGL AGA Show Deleted

QC Date: 02-08-2021 | 02-08-2021

Control 1:

Control 2:

Control 3: CLINICHEM1 059321004

Final Result:

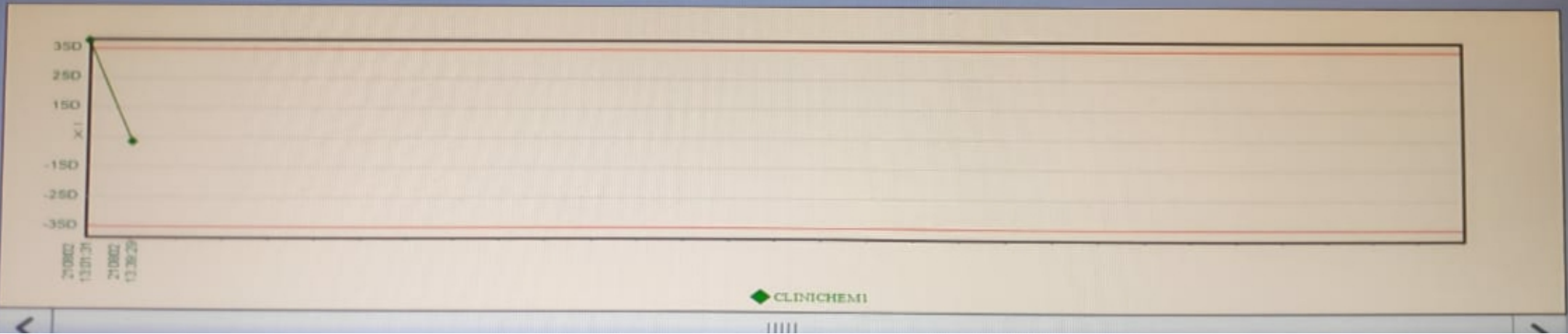
Conc: Sum Mean:

Unit: Sum SD:

Run Date: Sum CV%:

Comment: Sum N:

Lot No.:



Chem **CREA-S** Show Deleted

QC Date **02-08-2021** **02-08-2021**

Control 1

Control 2

Control 3 **CLINICHEM1 059321004**

Final Result

Conc:

Sum Mean:

Unit:

Sum SD:

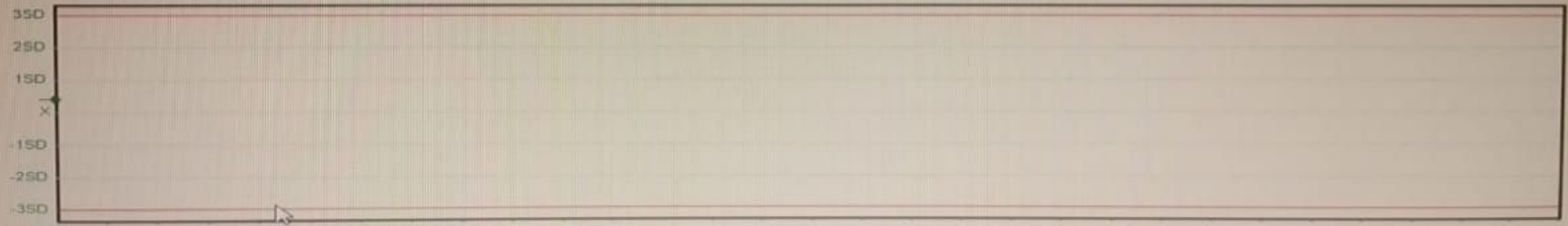
Run Date:

Sum CV%:

Comment:

Sum N:

Lot No.:



210802
13:07:31

Levey-Jennings

Cumulative Sum

Twin-Plot

Results

Summary

QC Setup

Chem **CALCIUM** Show Deleted

QC Date **02-08-2021** **02-08-2021**

Control 1

Control 2

Control 3 **CLINICHEM1 059321004**

Final Result

Conc:

Unit:

Run Date:

Comment:

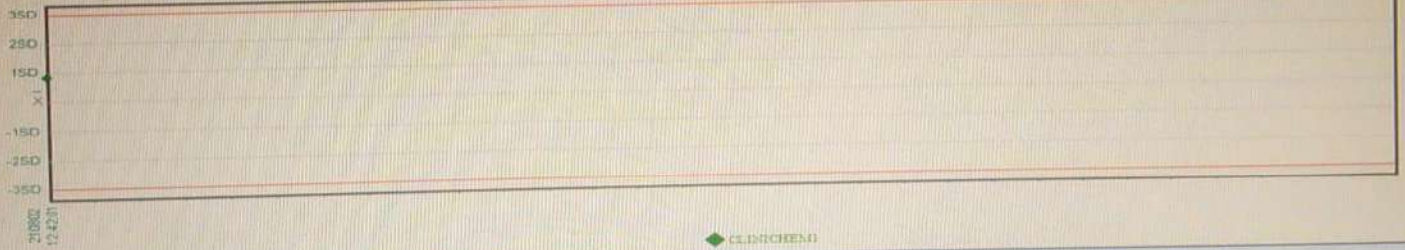
Lot No.:

Sum Mean:

Sum SD:

Sum CV%:

Sum N:



CLINICHEM1

Layey-Jennings

Cumulative Sum

Twin-Plot

Results

Summary

QC Setup

Chem **CHOLESTROL** Show Deleted

QC Date **02-08-2021** **02-08-2021**

Control 1

Control 2

Control 3 **CLINICHEM1 059321004**

Final Result

Conc:

Unit:

Run Date:

Comment:

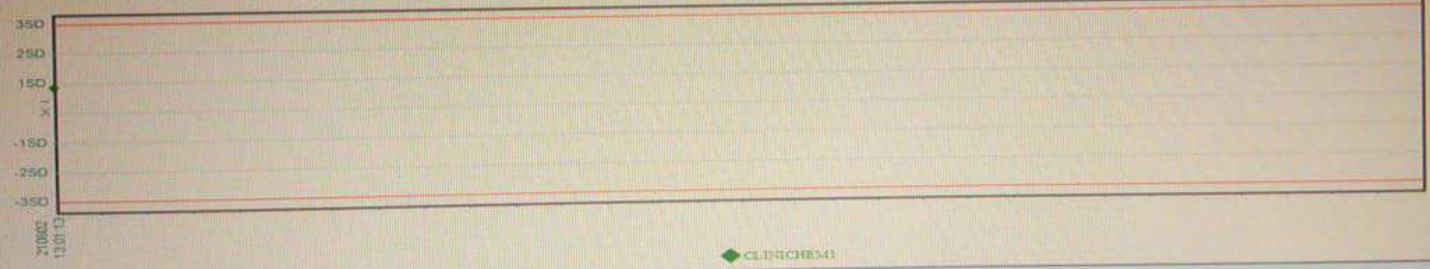
Lot No.:

Sum Mean:

Sum SD:

Sum CV%:

Sum N:



CLINICHEM1



Levey-Jennings

Cumulative Sum

Twin-Plot

Results

Summary

QC Setup

Chem **GLUCOSE** Show Deleted

QC Date **02-08-2021** **02-08-2021**

Control 1

Control 2

Control 3 **CLINICHEM1 059321004**

Final Result

Conc:

Unit:

Run Date:

Comment:

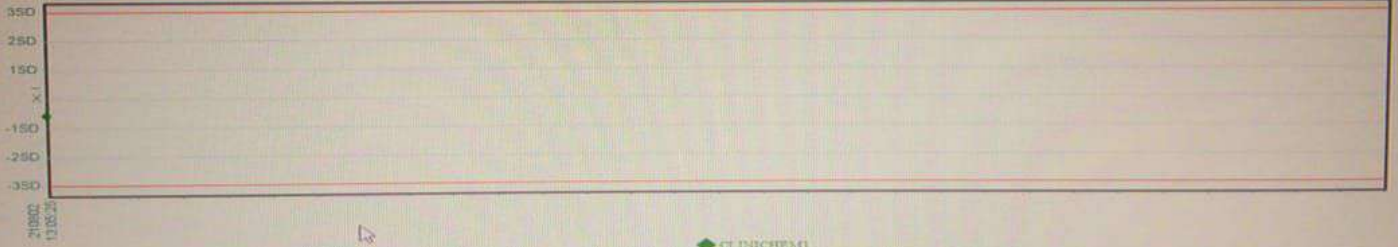
Lot No.:

Sum Mean:

Sum SD:

Sum CV%:

Sum N:



Levey-Jennings

Cumulative Sum

Twin-Plot

Results

Summary

QC Setup

Chem **T-PROTEIN** Show Deleted

QC Date **02-08-2021** **02-08-2021**

Control 1

Control 2

Control 3 **CLINICHEM1 059321004**

Final Result:

Conc:

Sum Mean:

Unit:

Sum SD:

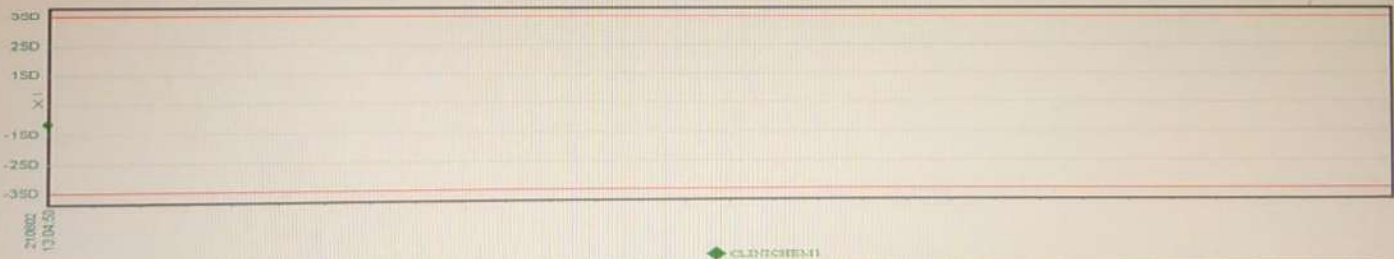
Run Date:

Sum CV%:

Comment:

Sum N:

Lot No.:



Levey-Jennings

Cumulative Sum

Twin-Plot

Results

Summary

QC Setup

Chem URIC ACID Show Deleted

QC Date 02-08-2021 02-08-2021

Control 1

Control 2

Control 3 CLINICHEM1 059321004

Final Result

Conc:

Sum Mean:

Unit:

Sum SD:

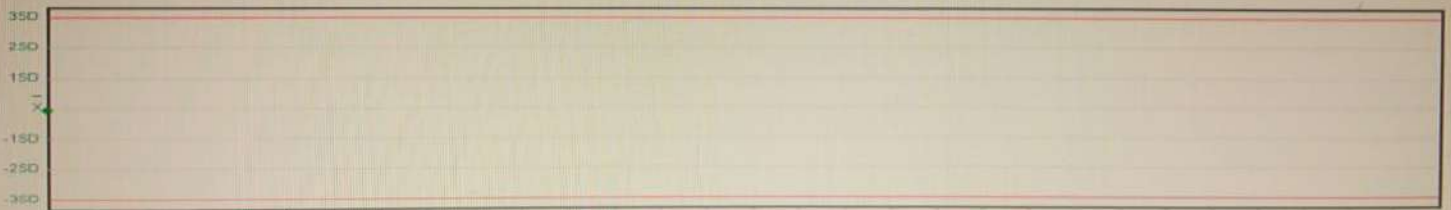
Run Date:

Sum CV%:

Comment:

Sum N:

Lot No.:



CLINICHEM1

Calibration Result List

Chemistry	Cal Status	R0	K	A	B	C	D	Cal Date/Time
Ca	Calibrated	-16.2405	0.0024					02-08-2021 12:29:43
T-bil-D II	Calibrated	1.3107	0.0108					02-08-2021 12:38:07
D-bil-D II	Calibrated	1.3513	0.0017					02-08-2021 12:38:43
ALT	Calibrated	9.4091	0.4673					02-08-2021 12:37:49
AST	Calibrated	12.4602	0.5067					02-08-2021 12:38:25
ALP	Calibrated	36.6343	0.5103					02-08-2021 12:35:43
TP	Calibrated	11.2071	0.0033					02-08-2021 12:41:25
UA	Calibrated	31.0632	0.0069					02-08-2021 12:45:37
UREA	Calibrated	14.4562	0.1182					02-08-2021 12:41:43
GLU NXT	Calibrated	180.2013	0.0296					02-08-2021 12:45:55
CHOL NXT	Calibrated	3.2776	0.0547					02-08-2021 12:41:25
TGL AGA	Calibrated	87.1898	0.0998					02-08-2021 13:38:53
IgE	Calibrated	-26.3848	3.6074					06-11-2019 11:58:42
Fe	Calibrated	3838.8236	-0.0116					27-10-2018 17:08:36
Hb-2	Calibrated	34.5759	0.0670					26-10-2018 15:02:59
HbA1c-2	Calibrated	54.6730	0.0137					26-10-2018 15:08:41
CREA-S	Calibrated	101.0931	0.0031					02-08-2021 12:48:01
HDL NXT	Edited	141.9446	0.0111					06-04-2019 12:34:38
ALB II	Calibrated	4.5342	0.0006					02-08-2021 12:44:07

QC Result

Control	Lot No.	Chemistry	Lot No.	Unit	Measured	Set		Flag	Run Date/Time
					Result	Mean	SD		
CLINICHEM1	059321004	Ca	0001	mg/dL	8.65	8.38	0.32		02-08-2021 12:42:01
CLINICHEM1	059321004	T-bil-D II	1005	mg/dL	1.16	1.22	0.09		02-08-2021 12:50:07
CLINICHEM1	059321004	D-bil-D II	1003	mg/dL	1.04	1.11	0.08		02-08-2021 12:50:25
CLINICHEM1	059321004	ALT	0013	U/L	60.4	60.9	3		02-08-2021 12:49:13
CLINICHEM1	059321004	AST	0002	U/L	44.8	52.2	2.6		02-08-2021 12:49:50
CLINICHEM1	059321004	ALP	0011	U/L	*88.9	86.3	4.3	1-3s 2.7s	02-08-2021 12:59:44
CLINICHEM1	059321004	ALP	0011	U/L	89.6	86.3	4.3		02-08-2021 13:39:29
CLINICHEM1	059321004	TP	1005	g/dL	5.0	5.13	0.26		02-08-2021 13:04:50
CLINICHEM1	059321004	UA	0011	mg/dL	5.05	5.06	0.24		02-08-2021 13:05:43
CLINICHEM1	059321004	UREA	1006	mg/dL	39.31	39.9	2		02-08-2021 13:01:13
CLINICHEM1	059321004	GLU NXT		mg/dL	102	105	5		02-08-2021 13:05:25
CLINICHEM1	059321004	CHOL NXT		mg/dL	106	102	5		02-08-2021 13:01:13
CLINICHEM1	059321004	TGL AGA		mg/dL	*141	112	5	1-3s 2.7s	02-08-2021 13:01:31
CLINICHEM1	059321004	TGL AGA		mg/dL	111	112	5		02-08-2021 13:39:29
CLINICHEM1	059321004	CREA-S	1011	mg/dL	1.09	1.07	0.05		02-08-2021 13:07:31
CLINICHEM1	059321004	ALB II	1003	g/dL	3.1	3.03	0.15		02-08-2021 13:02:25