

RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 2725

Cycle - 12/2023

Round No - 3

Date: 31/03/2023

Parameters	Units	No.of. Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	192	2.9	0.2	0.02	2.5-3.4	3.1	0.7
Alkaline Phosphatase	U/L	185	339.4	71.3	6.55	196.8-481.9	302	-0.5
Bilirubin Total	mg/dL	195	5.2	0.6	0.05	4.0-6.4	4.7	-0.8
Calcium(Total)	mg/dL	178	12.5	0.7	0.07	11.1-14.0	12.8	0.4
Cholesterol (Total)	mg/dL	187	266.9	15.6	1.43	235.7-298.2	271	0.3
Creatinine	mg/dL	194	4.0	0.4	0.03	3.3-4.8	4.3	0.7
Glucose	mg/dL	195	267.5	16.8	1.50	234.0-301.1	270	0.1
HDL	mg/dL	176	72.2	21.2	2.00	29.9-114.6	90.0	0.8
Potassium	mEq/L	159	5.7	0.3	0.03	5.1-6.3	5.7	-0.1
Protein (Total)	g/dl	191	4.6	0.3	0.03	3.9-5.2	4.4	-0.5
Sodium	mEq/L	160	155.1	4.8	0.47	145.5-164.6	153	-0.4
SGPT/ALT	U/L	192	135.1	13.0	1.17	109.1-161.2	116	-1.5
SGOT/AST	U/L	193	136.5	10.1	0.91	116.3-156.8	133	-0.3
Triglyceride	mg/dL	185	253.2	15.0	1.38	223.2-283.3	256	0.2
Urea	mg/dL	192	114.9	8.6	0.77	97.8-132.0	119	0.5
Uric Acid	mg/dl	188	9.4	0.8	0.07	7.9-10.9	9.4	0.0

Interpretation of Z Score :

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[Z] ≥ 3.0
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	(.) Not Reported	(#) Late Result Submission	(\$) Reported in other Unit
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: S

Programme Director

Dr.Bandana Mehrotra

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RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY -01

METHOD WISE REPORT

Cycle - 12/2023

Round No - 03

Date: 31.03.2023

Lab Code: 2725

Note: @ Parameters are not part of Method Group

Parameters	Units	Method Group	No.of. Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	Bromocresol Green (BCG)	100	3.0	0.2	0.02	2.6-3.3	3.1	0.7
Alkaline Phosphatase	U/L	PNPP	101	338.5	66.5	8.28	205.4-471.6	302	-0.5
Bilirubin Total	mg/dL	Diazonium Ion	63	5.3	0.6	0.09	4.2-6.4	4.7	-1.1
Calcium(Total) @	mg/dL	Arsenazo III	69	12.6	0.7	0.11	11.1-14.0	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	102	265.9	12.4	1.53	241.1-290.7	271	0.4
Creatinine	mg/dL	Alkaline Picrate	67	4.0	0.4	0.06	3.2-4.8	4.3	0.7
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	78	265.5	14.2	2.02	237.0-293.9	-	-
HDL UV without PSP	mg/dL	Direct Measure	92	74.6	22.6	2.95	29.3-119.8	90.0	0.7
Potassium	mEq/L	ISE Direct	80	5.8	0.2	0.03	5.3-6.2	5.7	-0.4
Protein (Total)	g/dl	Protein Biuret	101	4.6	0.4	0.05	3.9-5.3	4.4	-0.5
Sodium	mEq/L	ISE Direct	78	156.0	5.1	0.72	145.8-166.1	153	-0.6
SGPT/ALT	U/L	UV without PSP	47	136.8	13.9	2.53	109.0-164.6	116	-1.5
SGOT/AST	U/L	UV without PSP	49	136.7	8.3	1.48	120.2-153.3	133	-0.4
Triglyceride	mg/dL	Enzymatic	99	251.9	12.4	1.56	227.1-276.8	256	0.3
Urea	mg/dL	Urease	106	116.2	8.3	1.01	99.5-132.8	119	0.3
Uric Acid	mg/dl	Uricase	106	9.5	0.6	0.07	8.3-10.7	9.4	-0.1

Interpretation of Z Score :

Z Score Value(+/-)	$ Z \leq 2.0$	$2.0 < Z < 3.0$	$ Z \geq 3.0$
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	(.) Not Reported	(#)Late Result Submission	(\$)Reported In other Unit
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Chief Coordinator

[Signature]
Dr.Sanjay Mehrotra

Checked By:

Prepared by:

Doc. No.: ASS / FR / 03A / R 01 / Dt.: 05.01.2022

Programme Director

[Signature]
Dr.Bandana Mehrotra

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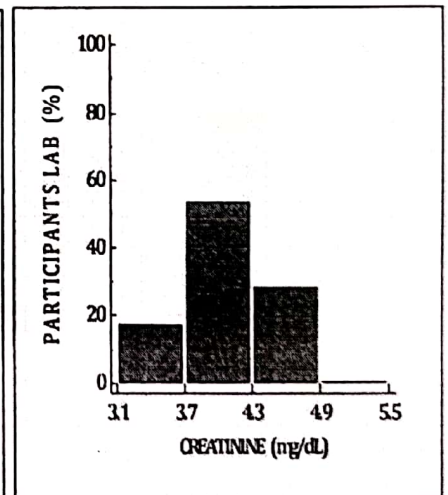
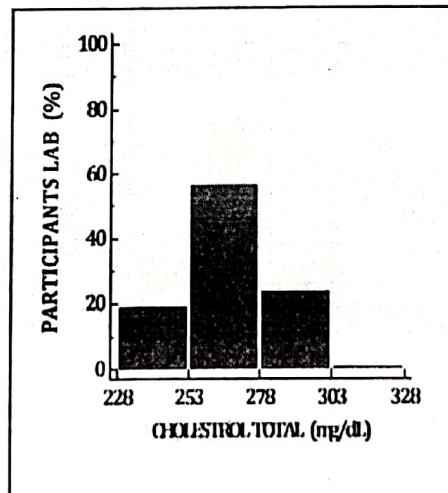
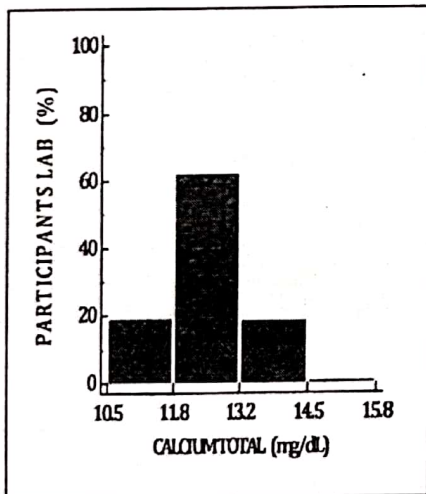
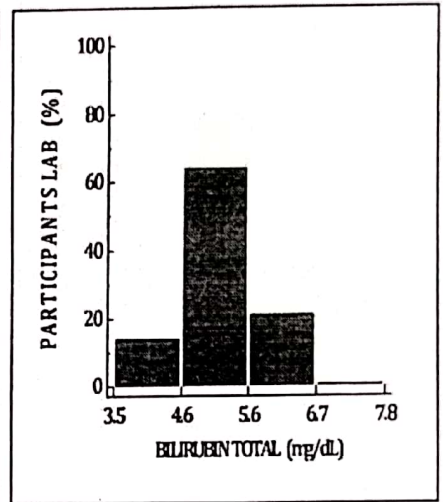
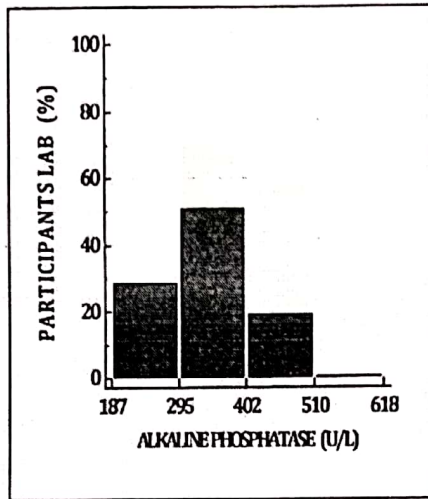
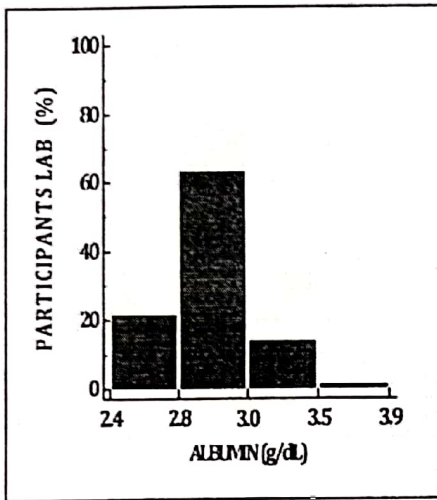


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 12/2023
Round-3

Date: 31/03/2023



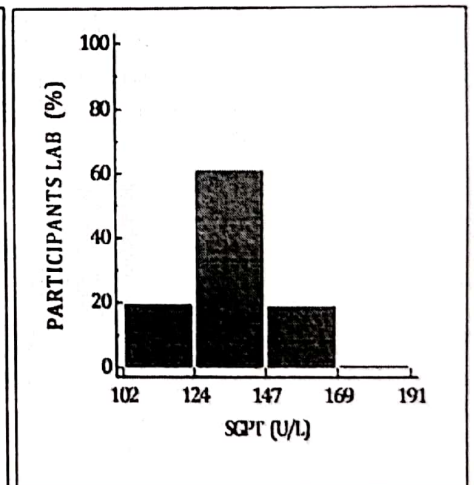
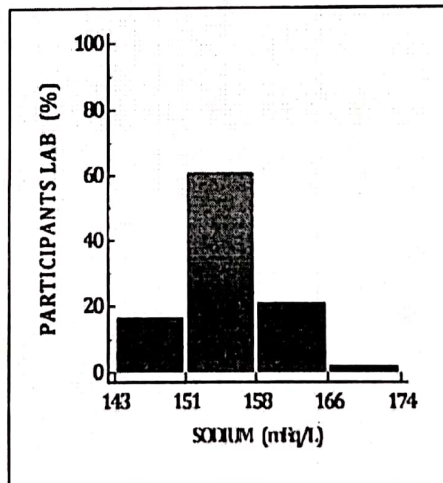
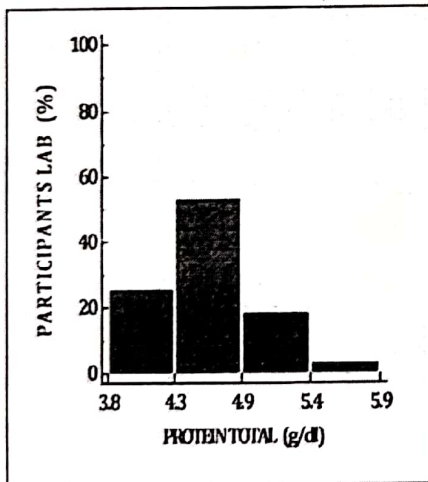
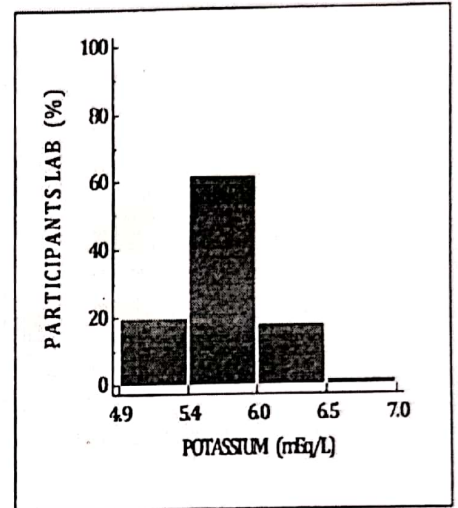
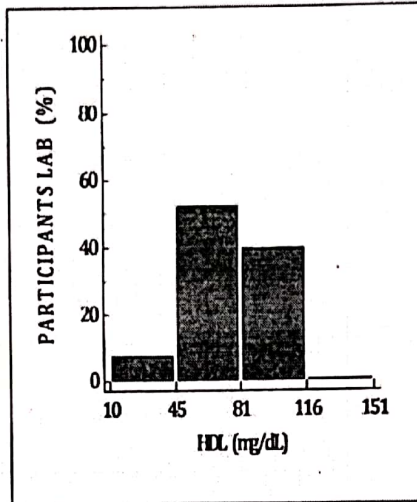
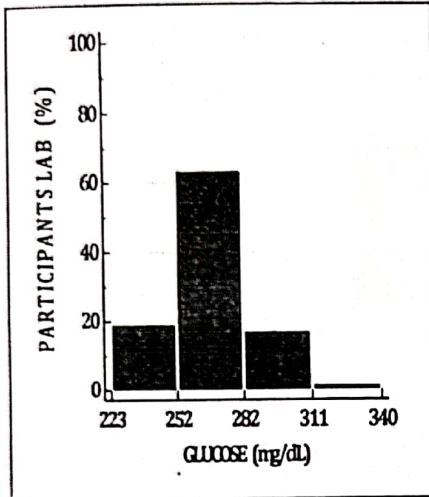


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 12/2023
Round-3

Date: 31/03/2023



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RML
Research Foundation

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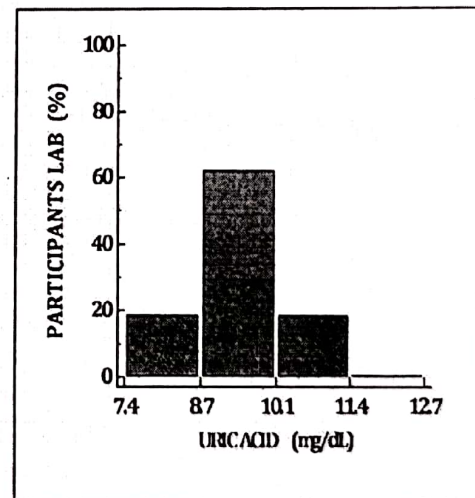
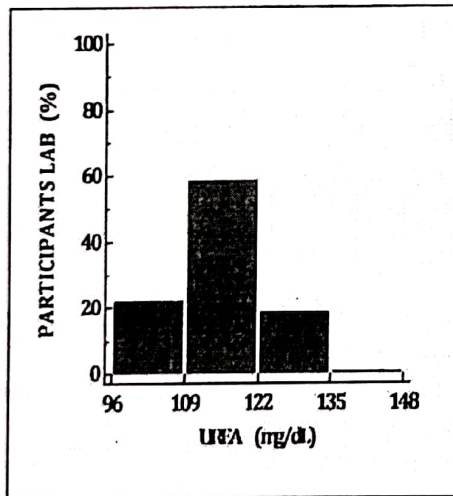
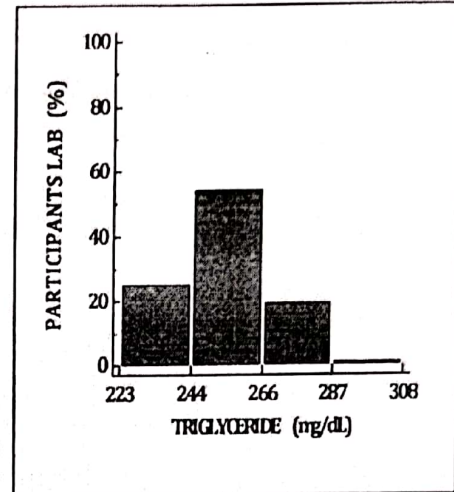
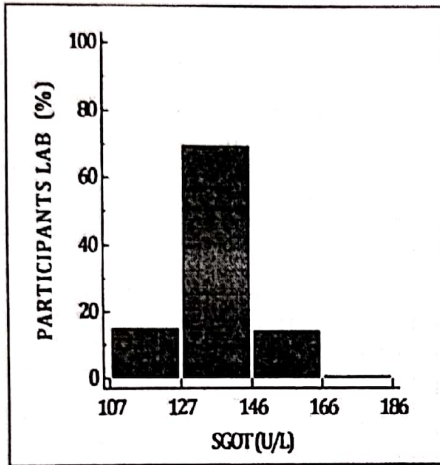




GRAPHICAL REPORT

Cycle - 12/2023
Round-3

Date: 31/03/2023





Basic Biochemistry-01

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -03

Date: 31/03/2023

Note:- This report is only for information about the participants performance in the particular round

Parameters	Total No. of Participants	No. of Responses	No of Participant Excluded from Robust Group Mean	No. of Participants Z Score b/w 0.0 - 2	No. of Participants Z Score b/w 2.1 - 2.9	No. of Participants Z Score >3
Albumin	227	192	15	171	6	15
Alkaline Phosphatase	227	185	7	173	5	7
Bilirubin Total	227	195	14	172	9	14
Calcium(Total)	227	178	33	134	11	33
Cholesterol (Total)	227	187	20	161	6	20
Creatinine	227	194	14	168	12	14
Glucose	227	195	15	169	11	15
HDL	227	176	3	166	7	3
Potassium	227	159	7	141	11	7
Protien (Total)	227	191	20	160	11	20
Sodium	227	160	9	141	10	9
SGPT/ALT	227	192	11	169	12	11
SGOT/AST	227	193	30	149	14	30
Triglyceride	227	185	21	154	10	21
Urea	227	192	17	155	20	17
Uric Acid	227	188	12	164	12	12

****End of Report****

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - DECEMBER 2022



PC-1024

Lab Name **SRI SAI HEALTH CARE UNIT** Lab No **6580**
Constituent Group **HbA1c** Date of Result Entered : **20/12/2022**
PT item **Lyophilized human whole blood based** Date of Report Published : **05/01/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	HPLC-Ion Exchange	Biorad (D10 / D100 / Variant Turbo)	636	5.38	3.31	0.18	5.3 %	-0.45	0.01

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ± 1.01 to ± 2.00	Good.
Within ± 2.01 to ± 2.99	Accept with caution. Warning Signal.
Beyond ± 3.0	Unacceptable performance. Action Signal.

LAB ADDRESS :

SRI SAI HEALTH CARE UNIT
(A UNIT OF TESLA DIAGNOSTICS) , IInd FLOOR ABOVE RELIANCE TRENDS,SUCHITRA CIRCLE, MEDCHAL ROAD
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Pamela Christudoss
Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore

Homogeneity and Stability of the sample is passed.
Data in CMC EQAS reports is confidential
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***** End of Report *****