



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-01

ALL METHOD REPORT

Cycle - 13/2024

Round No - 03

Lab Code: 3025

Date: 30/03/2024

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	179	3.0	0.2	0.02	2.6-3.4	3.3	1.4
Alkaline Phosphatase	U/L	176	329.9	55.4	5.22	219.1-440.7	343	0.2
Bilirubin Total	mg/dL	179	5.2	0.5	0.05	4.1-6.3	5.3	0.2
Calcium(Total)	mg/dL	158	12.3	0.6	0.06	11.1-13.5	*14.4	3.4
Cholesterol (Total)	mg/dL	174	277.9	14.8	1.40	248.3-307.4	*328	3.4
Creatinine	mg/dL	181	4.3	0.4	0.04	3.6-5.1	5.3	2.5
Glucose	mg/dL	182	277.6	14.4	1.33	248.8-306.3	290	0.9
HDL	mg/dL	166	103.4	17.9	1.74	67.6-139.3	119.1	0.9
Potassium	mEq/L	148	5.7	0.3	0.03	5.1-6.3	6.3	2.0
Protein (Total)	g/dl	177	4.7	0.4	0.04	4.0-5.5	5.2	1.2
Sodium	mEq/L	148	152.7	5.0	0.51	142.8-162.7	166	2.7
SGPT/ALT	U/L	179	130.8	11.4	1.07	108.0-153.7	138	0.6
SGOT/AST	U/L	178	142.8	12.2	1.14	118.3-167.2	153	0.8
Triglyceride	mg/dL	175	251.1	15.7	1.49	219.6-282.5	285	2.2
Urea	mg/dL	180	120.1	9.2	0.85	101.8-138.5	140	2.2
Uric Acid	mg/dl	179	9.3	0.6	0.06	8.1-10.5	10.6	2.2

Interpretation of Z Score :

Z Score Value(+/-)	[Z] < 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

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

Checked By:

Prepared by:

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Continuous Efforts And Execution Leads To Quality Excellence



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-01

METHOD WISE REPORT PART-01

Cycle - 13/2024

Round No - 03

Date: 30/03/2024

Lab Code: 3025

Note: @ parameter is not the part of this Method Group

Parameters	Units	Method Group	No.of. Participants in Group	Method Wise Robust Mean	Method Wise Robust Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range (± 2 SD)	Your Value	Method Wise Z Score
Albumin @	g/dL	Bromcresal Green (BCG)	95	3.0	0.2	0.02	2.6-3.4	-	-
Alkaline Phosphatase	U/L	PNPP	89	328.8	54.8	7.27	219.1-438.5	343	0.3
Bilirubin Total @	mg/dL	Diazonium Ion	60	5.2	0.5	0.09	4.1-6.3	-	-
Calcium(Total) @	mg/dL	Arsenazo iii	66	12.5	0.5	0.07	11.5-13.4	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	94	278.0	16.4	2.12	245.1-310.9	*328	3.0
Creatinine	mg/dL	Alkaline picrate	72	4.3	0.3	0.05	3.6-4.9	*5.3	3.2
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	79	279.5	16.4	2.30	246.8-312.3	-	-
HDL	mg/dL	Direct measure	73	102.5	16.1	2.36	70.2-134.8	119.1	1.0
Potassium	mEq/L	ISE Direct	64	5.7	0.3	0.05	5.1-6.3	6.3	2.1
Protein (Total)	g/dl	Biuret	97	4.8	0.3	0.04	4.1-5.5	5.2	1.3
Sodium	mEq/L	ISE Direct	59	152.1	3.6	0.58	145.0-159.3	*166	3.9
SGPT/ALT	U/L	UV Kinetic Enzymatic with or without P5P	92	130.0	11.3	1.47	107.4-152.6	138	0.7
SGOT/AST	U/L	UV Kinetic Enzymatic with or without P5P	95	143.3	9.2	1.18	125.0-161.7	153	1.1
Triglyceride	mg/dL	Enzymatic	91	250.4	14.0	1.83	222.5-278.3	285	2.5
Urea	mg/dL	Urease	95	120.1	7.9	1.01	104.3-135.8	140	2.5
Uric Acid	mg/dl	Uricase	95	9.2	0.5	0.06	8.3-10.2	10.6	2.8

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

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

Checked By:
Prepared by: TC

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Continuous Efforts And Execution Leads To Quality Excellence



BIO-CHEMISTRY

METHOD WISE PART-2

Cycle - 13/2024

Round No - 03

Date: 30/03/2024

Lab Code: 3025

Note: Your Lab is not the part of this method group

Parameters	Units	Method Group	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Method wise Z Score
Bilirubin	mg/dL	Sulphanalic Acid, DMSO	17	5.2	0.6	0.17	4.1-6.3	-	-
Glucose	mg/dL	Hexokinase	20	276.2	11.7	3.26	252-299.6	-	-

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

Dr.Sanjay Mehrotra

Checked By

Prepared by: TC

Programme Director

Dr.Bandana Mehrotra

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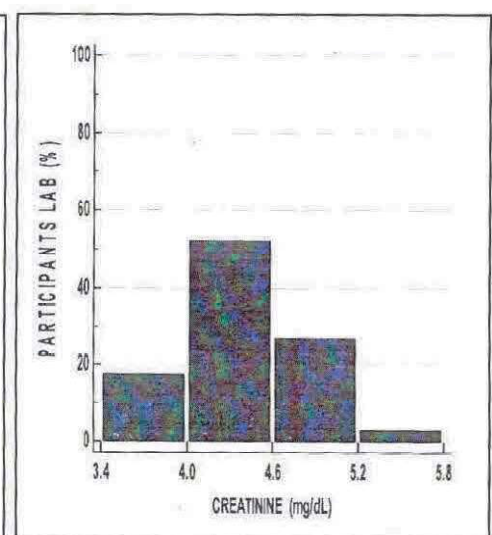
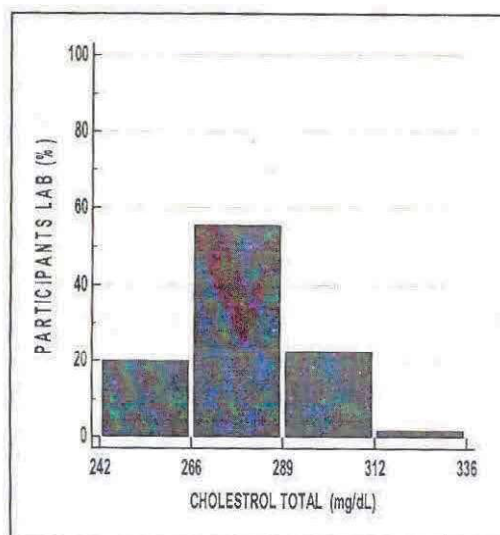
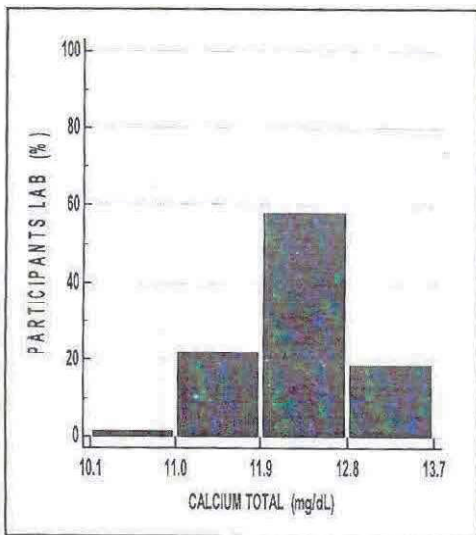
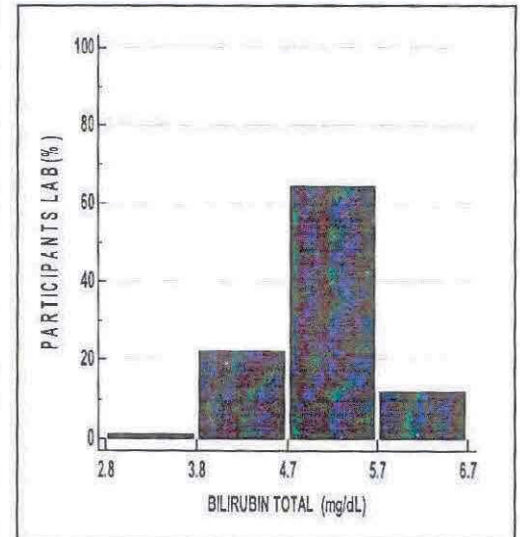
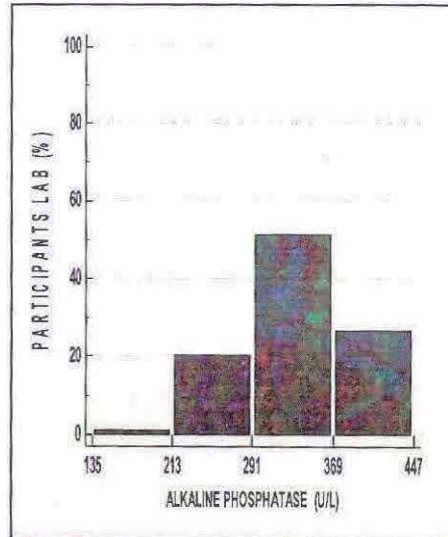
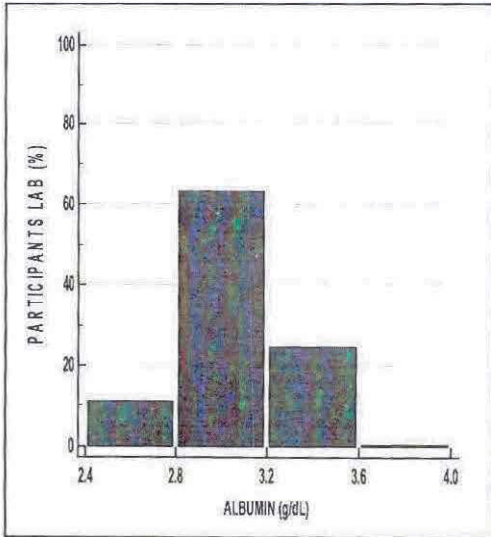
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GRAPHICAL REPORT

Cycle - 13/2024
Round- 03

Date: 30/03/2024

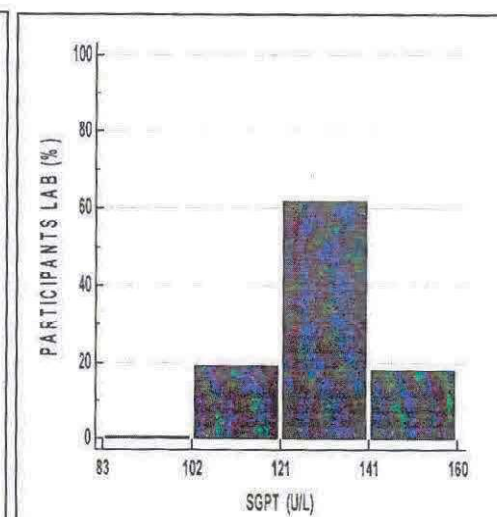
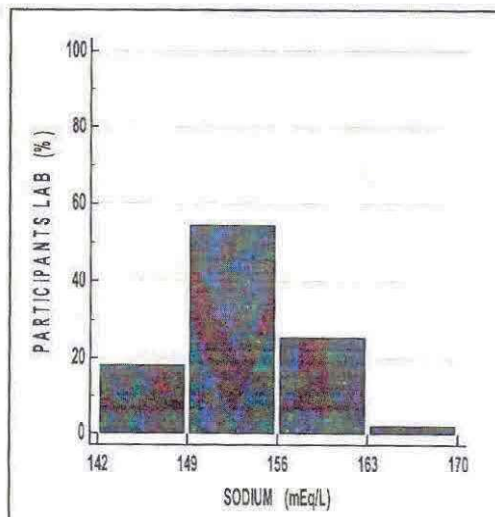
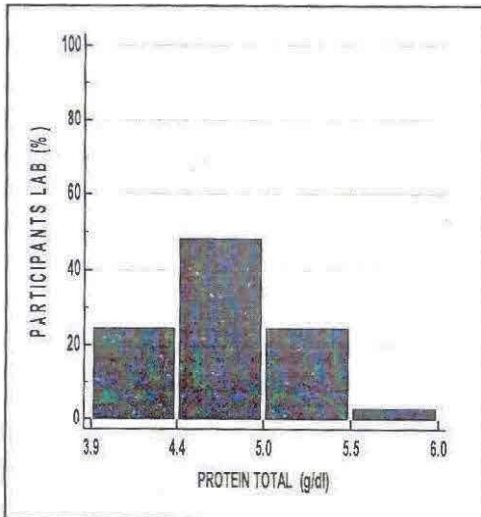
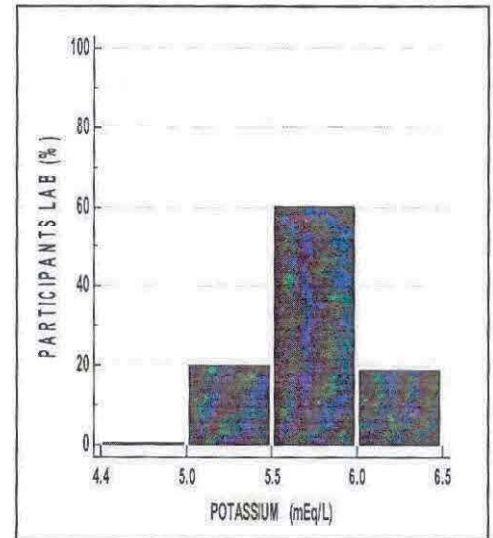
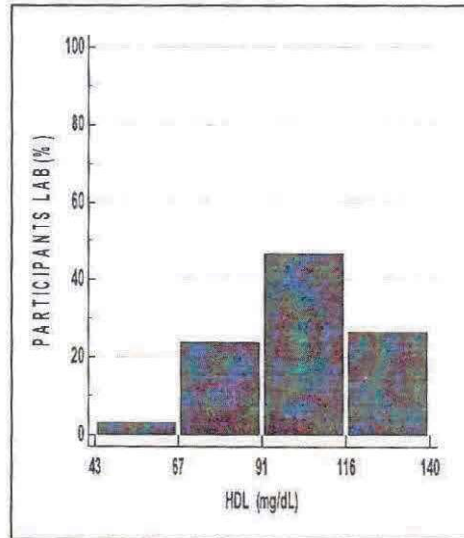
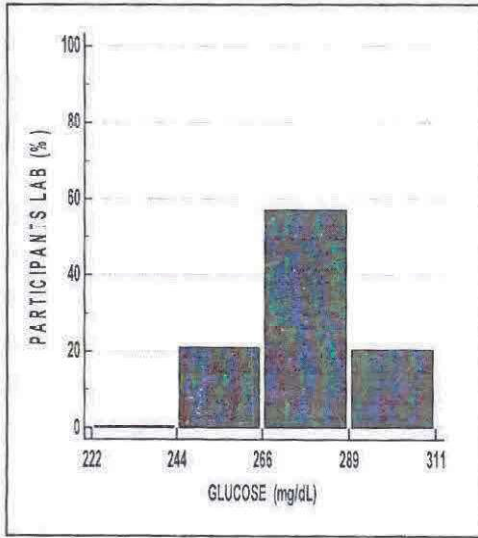




GRAPHICAL REPORT

Cycle - 13/2024
Round- 03

Date: 30/03/2024

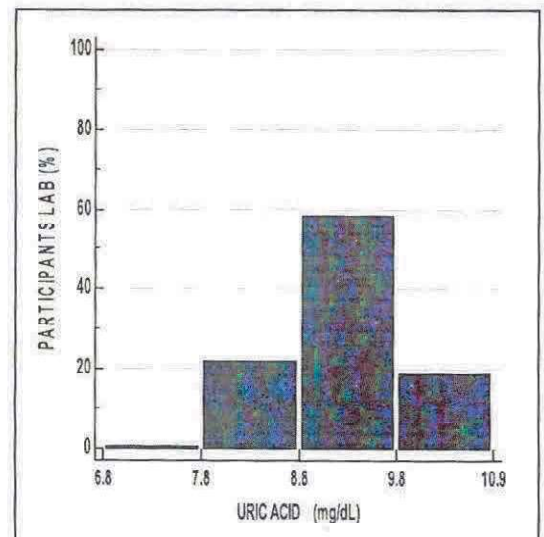
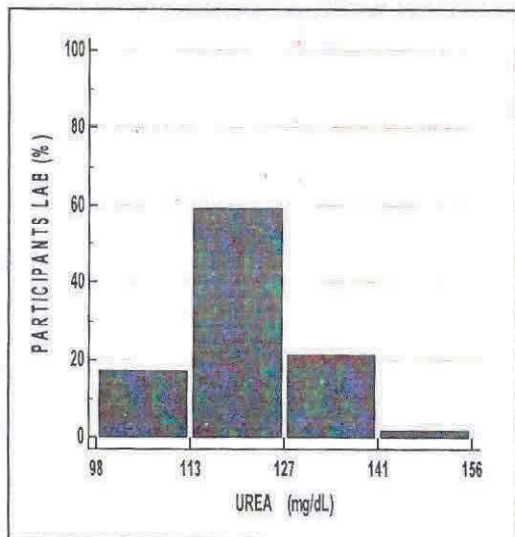
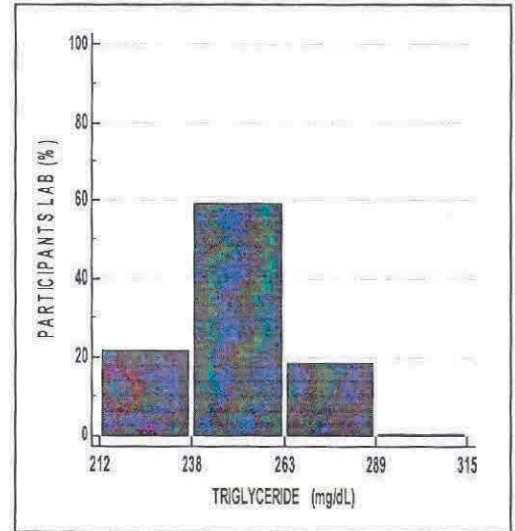
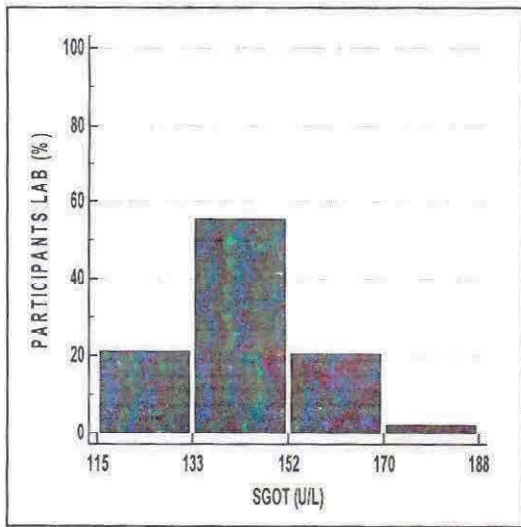




GRAPHICAL REPORT

Cycle - 13/2024
Round- 03

Date: 30/03/2024



Basic Biochemistry-01

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 13/2023

Round No -03

Date: 30/03/2024

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	231	179	9	167	3	9
Alkaline Phosphatase	231	176	7	153	16	7
Bilirubin Total	231	179	14	157	8	14
Calcium(Total)	231	158	17	135	6	17
Cholesterol (Total)	231	174	10	154	10	10
Creatinine	231	181	9	161	11	9
Glucose	231	182	11	159	12	11
HDL	231	166	10	151	5	10
Potassium	231	148	4	138	6	4
Protien (Total)	231	177	10	159	8	10
Sodium	231	148	6	130	12	6
SGPT/ALT	231	179	11	156	12	11
SGOT/AST	231	178	9	160	9	9
Triglyceride	231	175	18	151	6	18
Urea	231	180	12	157	11	12
Uric Acid	231	179	19	146	14	19

****End of Report****

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