



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 3137

Cycle - 13/2024
Round No - 01

Date: 17/02/2024

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	135	4.2	0.2	0.02	3.7-4.6	.	-
Alkaline Phosphatase	U/L	134	181.0	30.4	3.28	120.2-241.8	169	-0.4
Bilirubin Total	mg/dL	137	1.5	0.2	0.02	1.1-2.0	1.5	0.0
Calcium(Total)	mg/dL	119	8.8	0.4	0.05	8.1-9.5	.	-
Cholesterol (Total)	mg/dL	133	149.4	7.4	0.80	134.5-164.2	.	-
Creatinine	mg/dL	137	1.5	0.2	0.02	1.2-1.8	1.5	0.0
Glucose	mg/dL	138	98.0	7.3	0.78	83.4-112.5	97	-0.1
HDL	mg/dL	128	49.8	6.4	0.71	36.9-62.6	.	-
Potassium	mEq/L	112	4.0	0.2	0.02	3.6-4.4	.	-
Protein (Total)	g/dl	132	5.8	0.3	0.03	5.2-6.4	.	-
Sodium	mEq/L	111	138.6	3.7	0.44	131.2-146.0	.	-
SGPT/ALT	U/L	136	30.4	3.9	0.42	22.6-38.2	36	1.4
SGOT/AST	U/L	136	29.6	3.3	0.35	23.0-36.3	36	1.9
Triglyceride	mg/dL	131	97.8	5.8	0.63	86.2-109.3	.	-
Urea	mg/dL	137	43.1	3.8	0.41	35.5-50.8	43	0.0
Uric Acid	mg/dl	135	5.8	0.3	0.03	5.1-6.4	5.9	0.3

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: NT

Programme Director

Dr.Bandana Mehrotra

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RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-01

METHOD WISE REPORT

Cycle - 13/2024

Round No - 01

Date: 17/02/2024

Lab Code: 3137

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 Score Z
Albumin @	g/dL	Bromocresol Green (BCG)	67	4.2	0.2	0.03	3.7-4.6	-	-
Alkaline Phosphatase	U/L	PNPP	57	177.2	27.0	4.47	123.2-231.2	169	-0.3
Bilirubin Total @	mg/dL	Diazonium Ion	44	1.5	0.2	0.04	1.1-2.0	-	-
Calcium(Total) @	mg/dL	Arsenazo iii	44	8.9	0.3	0.06	8.4-9.4	-	-
Cholesterol (Total)@	mg/dL	Cholesterol Oxidase,esterase, peroxidase	60	149.4	6.8	1.10	135.8-163.0	-	-
Creatinine	mg/dL	Alkaline picrate	54	1.5	0.2	0.03	1.1-1.8	1.5	0.0
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	54	99.0	7.2	1.22	24.5-113.4	97	-0.3
HDL @	mg/dL	Direct measure	41	48.0	7.4	1.44	33.2-62.7	-	-
Potassium	mEq/L	ISE Direct	44	4.0	0.2	0.04	3.7-4.3	-	-
Protein (Total) @	g/dl	Biuret	63	5.8	0.4	0.06	4.9-6.7	-	-
Sodium @	mEq/L	ISE Direct	41	138.6	2.5	0.49	133.5-143.6	-	-
Triglyceride @	mg/dL	Enzymatic	60	98.7	4.3	0.69	90.1-107.4	-	-
Urea	mg/dL	Urease	62	43.3	4.5	0.71	34.4-52.3	43	-0.1
Uric Acid	mg/dl	Uricase	65	5.8	0.3	0.05	5.2-6.4	5.9	0.3

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:

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Prepared by: R

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



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RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY

METHOD WISE PART-2

Cycle - 13/2024

Round No - 01

Date: 17/02/2024

Lab Code: 3137

Note: @ Parameters are not part of Method Group

Parameters	Units	Method Group	No.of. Participants in Group	Method Wise Group Mean	Method Wise Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range (± 2 SD)	Your Value	Method Wise Standard Deviation Index (SDI)
Bilirubin	mg/dL	Sulphanalic Acid, DMSO	13	1.6	0.3	0.10	1.0-2.2	1.5	-0.3
Glucose @	mg/dL	Hexokinase	13	95.3	6.4	2.22	82.5-108.1	-	-
SGPT/ALT	U/L	UV without P5P	60	29.9	3.5	0.56	22.8-36.9	36	1.7
SGOT/AST	U/L	UV without P5P	64	30.0	3.4	0.53	23.1-36.8	36	1.8

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

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: R

Programme Director

Dr.Bandana Mehrotra

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RML- Quality Assurance Program (RML-QAP)

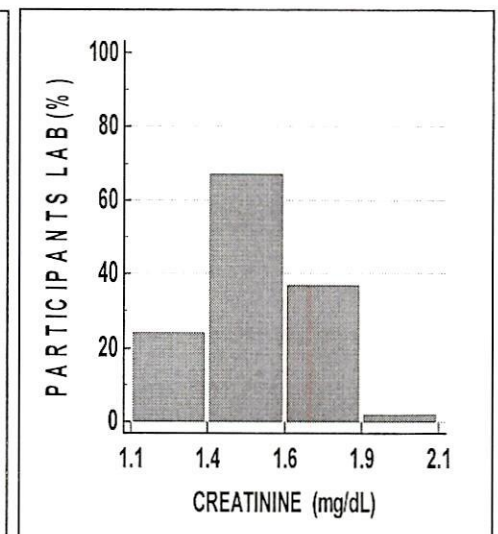
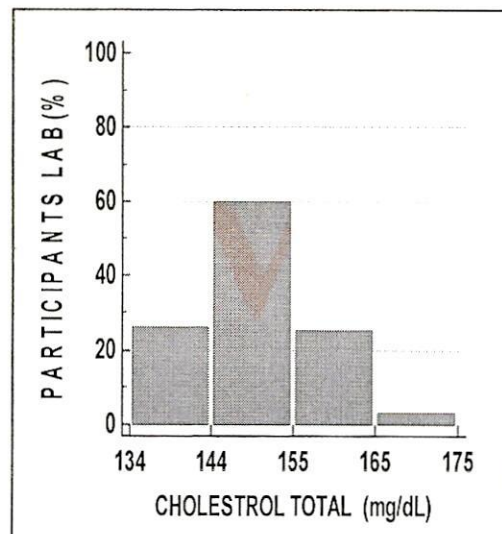
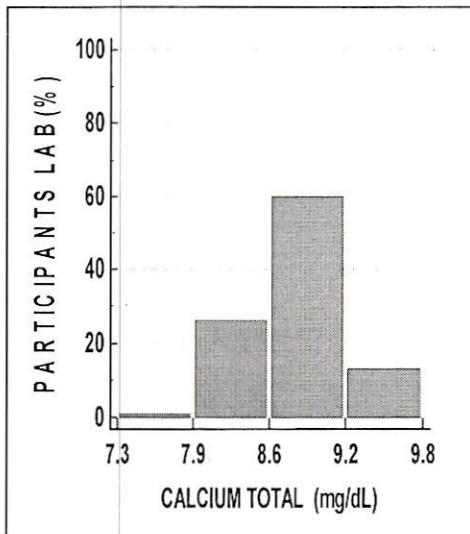
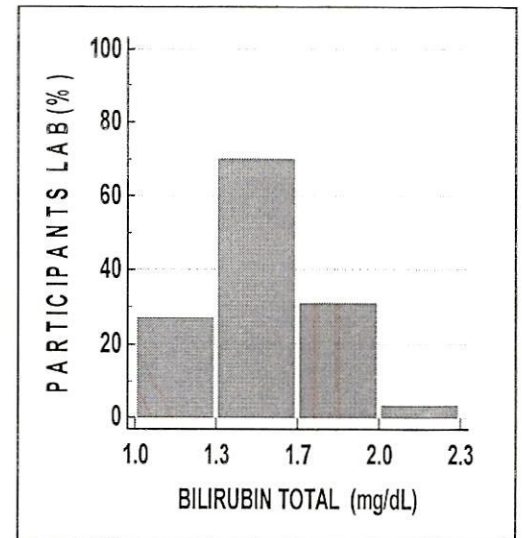
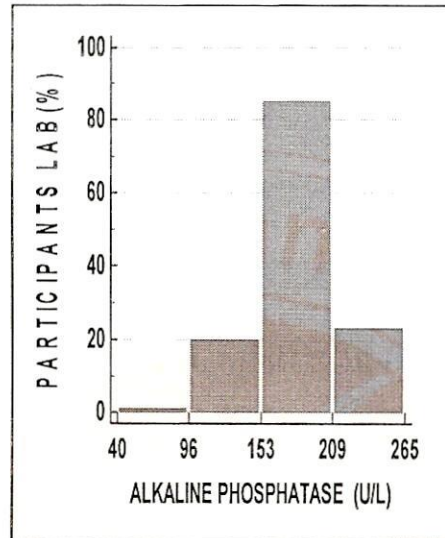
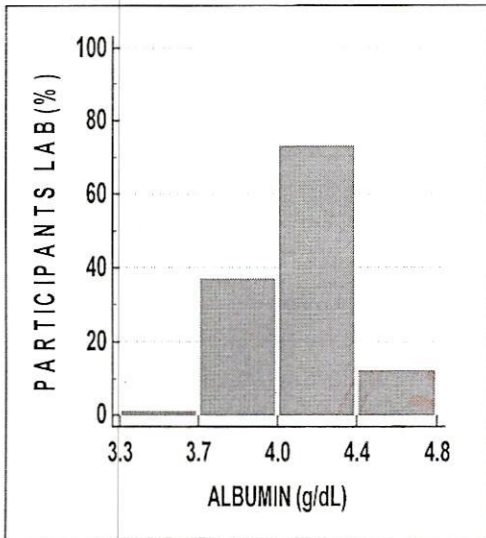


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 13/2024
Round- 01

Date: 17/02/2024



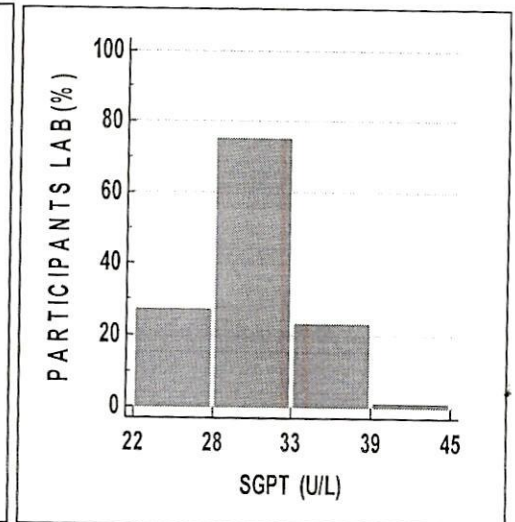
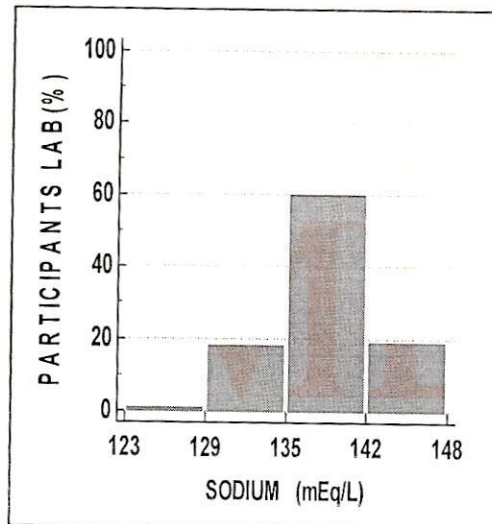
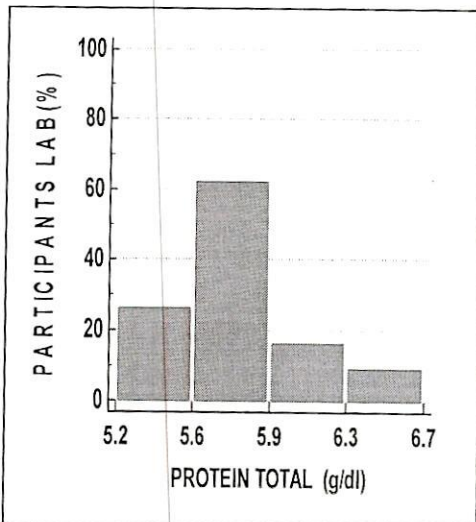
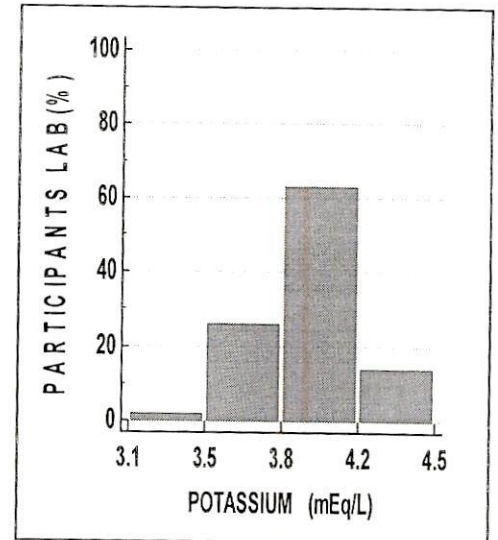
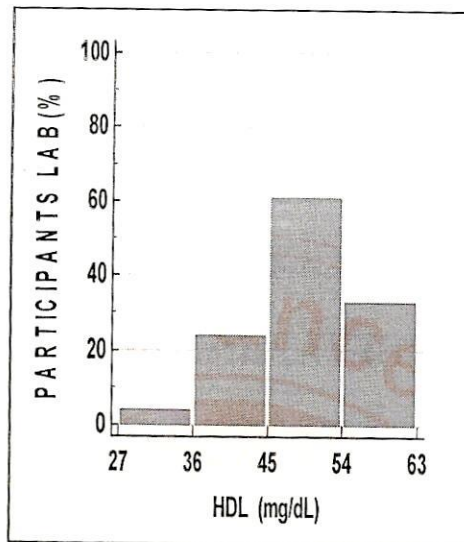
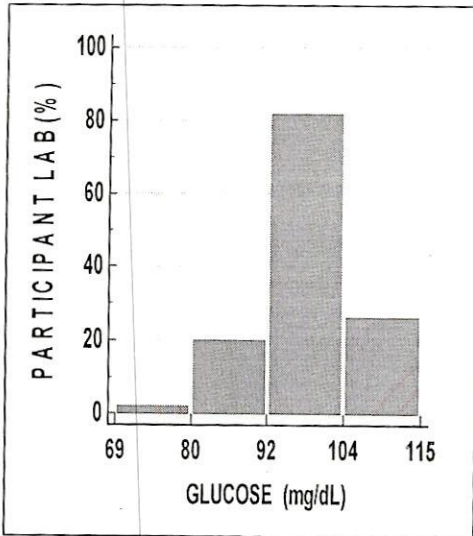


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 13/2024
Round- 01

Date: 17/02/2024



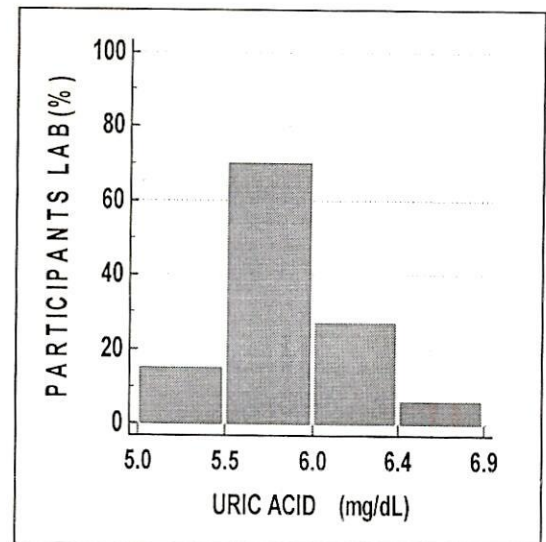
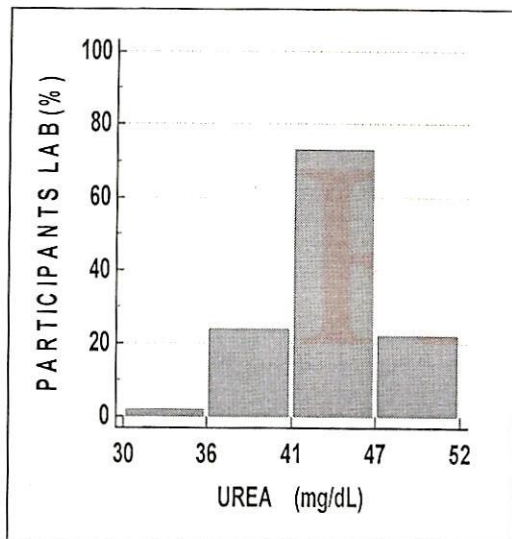
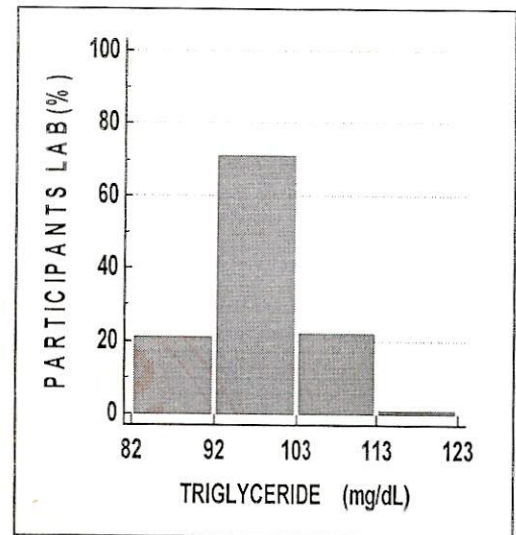
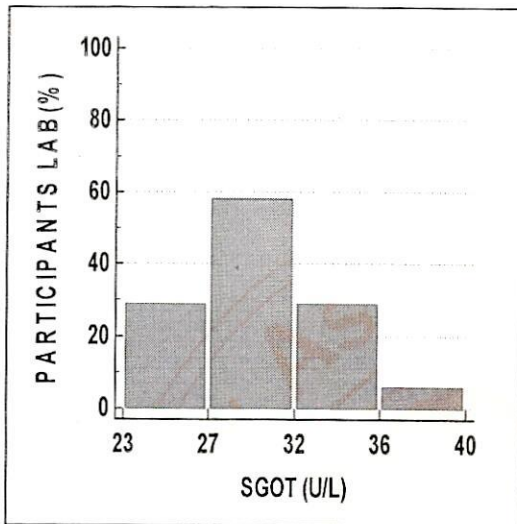


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 13/2024
Round- 01

Date: 17/02/2024





PC 1001

RML- Quality Assurance Program (RML-QAP)



Basic Biochemistry-01

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 13/2023Round No -01Date: 17/02/2024

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	184	135	13	108	14	13
Alkaline Phosphatase	184	134	5	123	6	5
Bilirubin Total	184	137	6	118	13	6
Calcium(Total)	184	119	14	94	11	14
Cholesterol (Total)	184	133	15	107	11	15
Creatinine	184	137	6	124	7	6
Glucose	184	138	8	124	6	8
HDL	184	128	5	113	10	5
Potassium	184	112	9	92	11	9
Protien (Total)	184	132	13	108	11	13
Sodium	184	111	11	92	8	11
SGPT/ALT	184	136	7	121	8	7
SGOT/AST	184	136	11	116	9	11
Triglyceride	184	131	15	104	12	15
Urea	184	137	7	115	15	7
Uric Acid	184	135	17	106	12	17

****End of Report****

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