



# RML- Quality Assurance Program (RML-QAP)



## BIO-CHEMISTRY-01

### METHOD WISE REPORT

Lab Code: 2445

Cycle - 12/2023

Round No - 7

Date: 31/07/2023

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 ( $\pm 2$ SD)	Your Value	Z Score
Albumin	g/dL	Bromocresal Green (BCG)	105	4.1	0.3	0.03	3.6 - 4.7	4.0	-0.5
Alkaline Phosphatase	U/L	PNPP	109	178.7	33.5	4.01	111.6 - 245.7	*280	3.0
Bilirubin Total	mg/dL	Diazonium Ion	67	1.6	0.1	0.02	1.3 - 1.9	1.4	-1.3
Calcium(Total)	mg/dL	Arsenazo iii	76	8.9	0.6	0.09	7.7 - 10.2	9.4	0.7
Cholesterol (Total)	mg/dL	Cholestrol Oxidase,esterase, peroxidase	111	150.8	7.1	0.84	136.7 - 165.0	155	0.6
Creatinine	mg/dL	Alkaline Picrate	72	1.5	0.1	0.02	1.2 - 1.8	1.4	-0.6
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	84	99.1	5.1	0.70	88.8 - 109.3	89	-2.0
HDL @	mg/dL	Direct Measure	96	49.6	6.2	0.79	37.1 - 62.1	-	-
Potassium	mEq/L	ISE Direct	80	4.0	0.1	0.02	3.7 - 4.3	3.9	-0.8
Protein (Total)	g/dl	Protein Biuret	109	5.8	0.4	0.04	5.1 - 6.5	5.8	0.0
Sodium	mEq/L	ISE Direct	80	138.6	3.0	0.43	132.5 - 144.6	136	-0.8
SGPT/ALT	U/L	UV with P5P	54	30.9	5.1	0.87	20.6 - 41.1	32	0.2
SGOT/AST	U/L	UV with P5P	56	30.5	3.8	0.64	22.9 - 38.1	31	0.1
Triglyceride	mg/dL	Enzymatic	109	97.2	5.2	0.63	86.7 - 107.6	104	1.3
Urea	mg/dL	Urease	113	43.2	3.4	0.40	36.4 - 50.1	44	0.2
Uric Acid	mg/dl	Uricase	112	5.9	0.3	0.04	5.2 - 6.6	6.4	1.5

### 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: AS

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



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## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 2445

Cycle - 12/2023

Round No - 07

Date: 31/07/2023

Parameters	Units	No.of. Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Z Score
Albumin	g/dL	208	4.1	0.3	0.03	3.6-4.7	4.0	-0.3
Alkaline Phosphatase	U/L	202	186.9	39.0	3.43	108.9-264.8	280	2.4
Bilirubin Total	mg/dL	211	1.5	0.2	0.02	1.1-1.9	1.4	-0.5
Calcium(Total)	mg/dL	190	8.9	0.6	0.05	7.6-10.2	9.4	0.8
Cholesterol (Total)	mg/dL	203	151.2	9.2	0.81	132.9-169.6	155	0.4
Creatinine	mg/dL	214	1.5	0.2	0.02	1.2-1.8	1.4	-0.5
Glucose	mg/dL	215	98.8	6.2	0.53	86.5-111.1	89	-1.6
HDL	mg/dL	192	49.2	6.8	0.61	35.6-62.7	38.7	-1.5
Potassium	mEq/L	168	4.0	0.1	0.01	3.7-4.3	3.9	-1.0
Protein (Total)	g/dl	205	5.8	0.4	0.03	5.0-6.5	5.8	0.0
Sodium	mEq/L	168	139.0	3.6	0.35	131.8-146.2	136	-0.8
SGPT/ALT	U/L	212	30.0	4.7	0.40	20.6-39.3	32	0.4
SGOT/AST	U/L	212	30.3	3.8	0.33	22.8-37.8	31	0.2
Triglyceride	mg/dL	203	98.5	8.2	0.72	82.0-114.9	104	0.7
Urea	mg/dL	213	43.5	3.8	0.33	35.8-51.2	44	0.1
Uric Acid	mg/dl	206	5.9	0.4	0.03	5.1-6.7	6.4	1.3

### 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

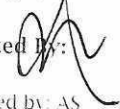
Legends	(*) Excluded From Group Mean	{ } Not Reported	(#) Late Result Submission	(\$ ) Reported in other Unit
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Chief Coordinator



Dr. Sanjay Mehrotra

Checked By:



Prepared by: AS

Programme Director



Dr. Bandana Mehrotra

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PC 1001

# RML- Quality Assurance Program (RML-QAP)



## BIO-CHEMISTRY-01

### METHOD WISE REPORT-PART-02

Cycle - 12/2023

Round No - 7

Date: 31/07/2023

Lab Code: 2445

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 ( $\pm 2$ SD)	Your Value	Z Score
Creatinine	mg/dL	Enzymatic	44	1.42	0.1	0.03	1.1-1.7	-	-
Glucose	mg/dL	Hexokinase	35	100.0	4.2	0.89	91.7-108.3	-	-
HDL	mg/dL	Direct Measure, Immunoinhibition	19	47.3	6.9	1.98	33.6-61.1	-	-
SGPT/ALT	U/L	UV without P5P	58	30.3	4.1	0.67	22.1-38.4	-	-
SGOT/AST	U/L	UV without P5P	56	29.48	3.15	0.53	23.2-35.8	-	-
Urea	mg/dL	Urease, UV	53	42.2	3.66	0.63	34.9-49.6	-	-

#### 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

Programme Director

Dr.Bandana Mehrotra

Checked By:

Prepared by: RK.

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PC 1001

# RML- Quality Assurance Program (RML-QAP)



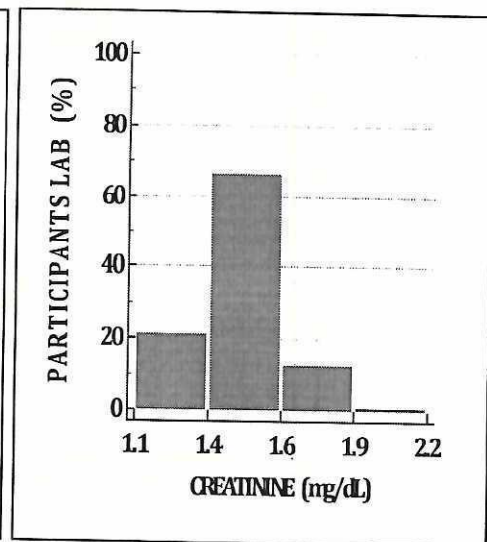
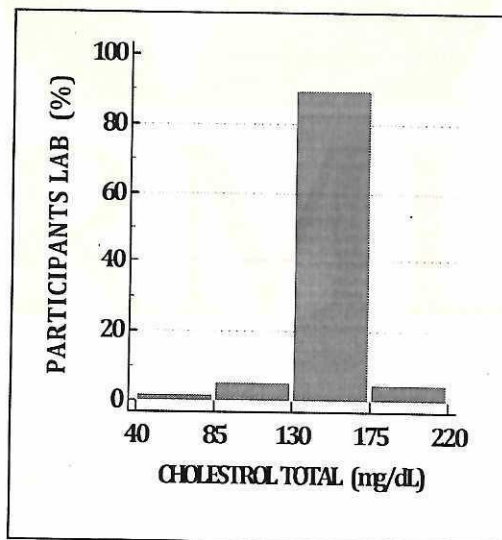
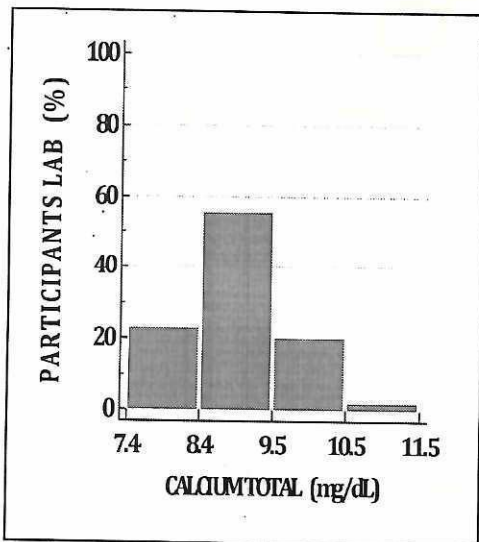
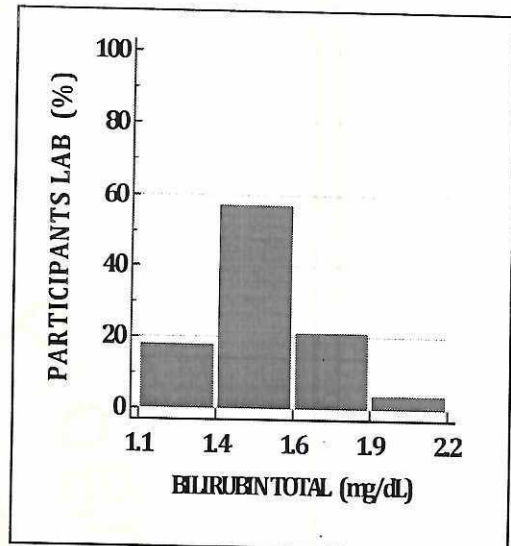
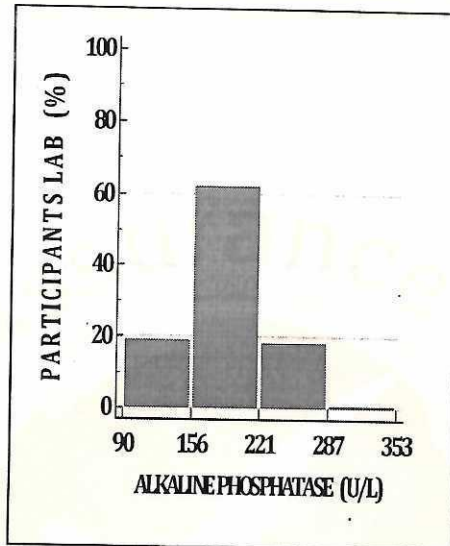
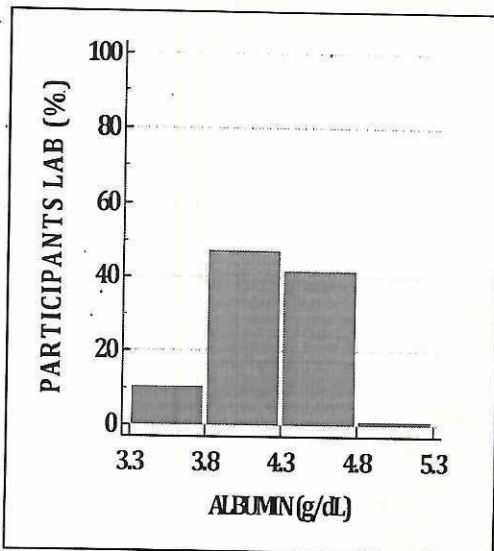
## BIO-CHEMISTRY-01

### GRAPHICAL REPORT

Cycle - 12/2023

Round- 7

Date: 31/07/2023



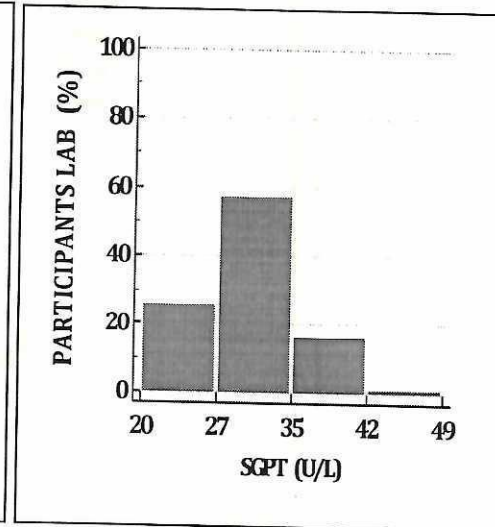
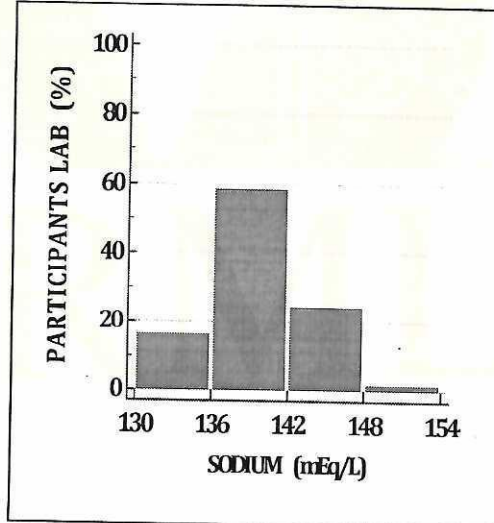
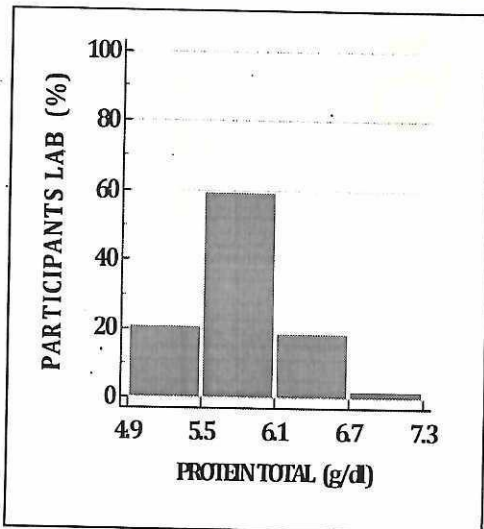
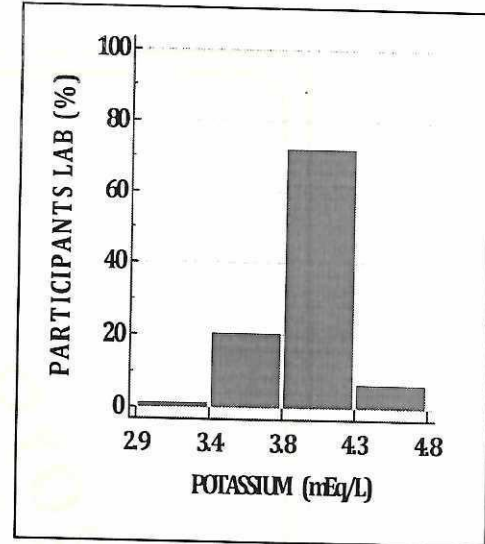
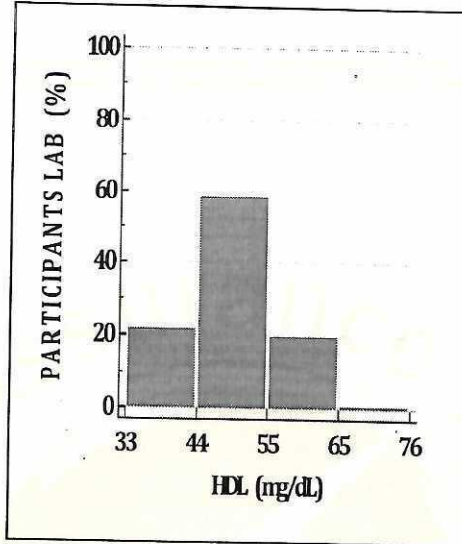
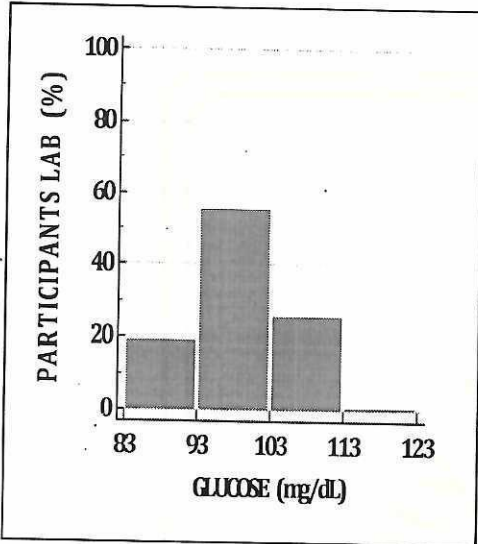


## BIO-CHEMISTRY-01

### GRAPHICAL REPORT

Cycle - 12/2023  
Round- 7

Date: 31/07/2023

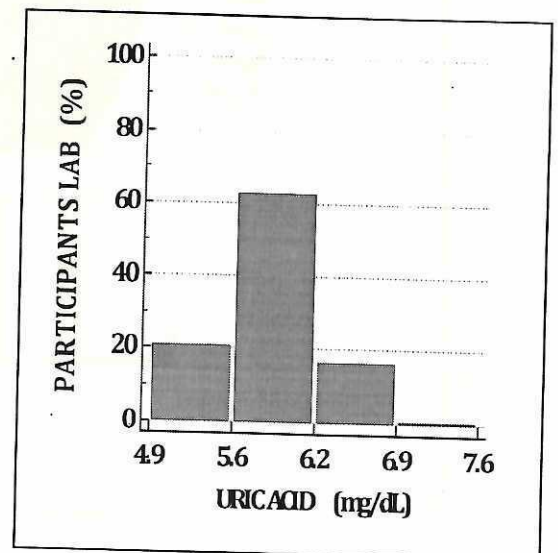
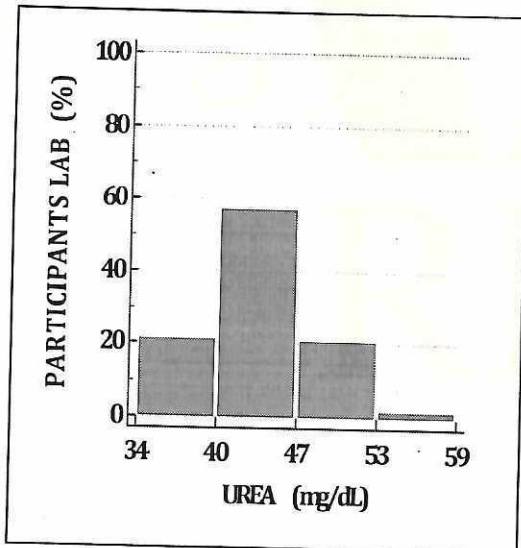
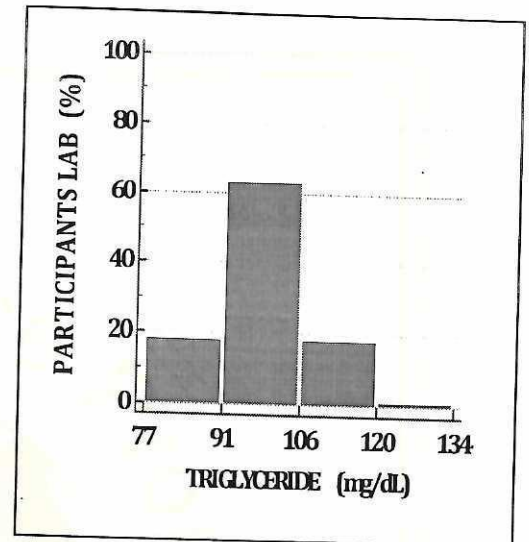
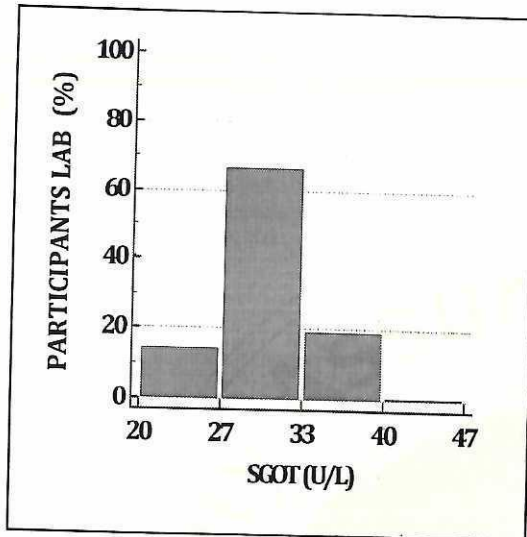


## BIO-CHEMISTRY-01

### GRAPHICAL REPORT

Cycle - 12/2023  
Round- 7

Date: 31/07/2023





## Basic Biochemistry-01

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -07

Date: 31/07/2023

**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	284	208	12	190	6	12
Alkaline Phosphatase	284	202	3	186	13	3
Bilirubin Total	284	211	14	188	9	14
Calcium(Total)	284	190	13	160	17	13
Cholesterol (Total)	284	203	13	175	15	13
Creatinine	284	214	15	197	2	15
Glucose	284	215	23	179	13	23
HDL	284	192	10	171	11	10
Potassium	284	168	38	130	0	38
Protien (Total)	284	205	17	175	13	17
Sodium	284	168	24	133	11	24
SGPT/ALT	284	212	15	187	10	15
SGOT/AST	284	212	24	181	7	24
Triglyceride	284	203	15	175	13	15
Urea	284	213	18	185	10	18
Uric Acid	284	206	20	172	14	20

**\*\*End of Report\*\***

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