



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Cycle - 11/2022

Round No - 10

Lab Code: 2594

Date: 20/10/2022

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	231	2.9	0.2	0.02	2.5-3.4	3.6	2.9
Alkaline Phosphatase	U/L	223	319.6	75.3	6.30	169.0-470.2	408	1.2
Bilirubin Total	mg/dL	232	5.0	0.5	0.04	4.0-6.0	5.7	1.3
Calcium(Total)	mg/dL	204	12.4	0.8	0.07	10.7-14.0	10.1	-2.8
Cholesterol (Total)	mg/dL	227	271.1	15.9	1.32	239.3-302.8	317	2.9
Creatinine	mg/dL	236	4.2	0.4	0.03	3.5-4.9	3.7	-1.3
Glucose	mg/dL	234	259.8	17.6	1.44	224.6-294.9	185	-4.2
HDL	mg/dL	216	86.1	31.6	2.69	22.9-149.2	72.7	-0.4
Potassium	mEq/L	194	5.8	0.3	0.03	5.2-6.4	5.9	0.3
Protein (Total)	g/dl	227	4.6	0.3	0.03	3.9-5.3	5.1	1.5
Sodium	mEq/L	194	155.1	4.7	0.42	145.7-164.4	152	-0.7
SGPT/ALT	U/L	230	123.9	13.1	1.08	97.7-150.0	97	-2.1
SGOT/AST	U/L	229	129.7	13.7	1.13	102.2-157.2	85	-3.3
Triglyceride	mg/dL	225	250.0	17.2	1.43	215.6-284.4	217	-1.9
Urea	mg/dL	235	114.5	10.0	0.81	94.6-134.4	60	-5.5
Uric Acid	mg/dl	232	9.2	0.7	0.06	7.7-10.6	7.5	-2.3

### 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	{,} Not Reported	(#)Late Result	(\$)Reported in
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Chief Coordinator

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

Checked By

Prepared by: SS

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Continuous Efforts And Execution Leads To Quality Excellence



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY

### METHOD WISE REPORT

Cycle - 11/2022

Round No - 10

Date: 20/10/2022

Lab Code: 2594

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 ( $\pm 2$ SD)	Your Value	Method Wise Standard Deviation Index (SDI)
Albumin	g/dL	Bromocresal Green (BCG)	104	2.9	0.3	0.03	2.4-3.5	3.6	2.6
Alkaline Phosphatase @	U/L	PNPP, AMP Buffer	70	310.7	63.4	9.47	183.9-437.5	-	-
Bilirubin Total @	mg/dL	Diazonium Ion	61	5.0	0.6	0.09	3.9-6.1	-	-
Calcium(Total) @	mg/dL	Arsenazo iii	59	12.4	0.9	0.15	10.6-14.2	-	-
Cholesterol (Total)@	mg/dL	Cholestrol Oxidase,esterase, peroxidase	70	273.1	15.3	2.28	242.5-303.7	-	-
Creatinine @	mg/dL	Enzymatic	43	4.4	0.3	0.05	3.8-4.9	-	-
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	42	263.5	13.0	2.51	237.5-289.5	-	-
HDL @	mg/dL	Direct measure-PEG	32	88.9	37.4	8.26	14.1-163.6	-	-
Potassium	mEq/L	ISE Direct	67	5.8	0.3	0.04	5.2-6.3	5.9	0.4
Protein (Total) @	g/dl	Biuret, reagent blank, end point	41	4.5	0.3	0.06	3.9-5.2	-	-
Sodium	mEq/L	ISE Direct	69	155.6	3.7	0.56	148.1-163.1	152	-1.0
SGPT/ALT @	U/L	UV without P5P	43	122.0	9.9	1.88	102.3-141.7	-	-
SGOT/AST @	U/L	UV without P5P	42	124.4	9.8	1.88	104.9-144.0	-	-
Triglyceride @	mg/dL	Enzymatic, end point	39	250.5	16.2	3.24	218.1-282.9	-	-
Urea @	mg/dL	Urease, UV	54	113.7	10.1	1.71	93.6-133.8	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	73	9.0	0.6	0.09	7.9-10.2	7.5	-2.6

#### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	$\geq 3$
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: SS

Programme Director

Dr.Bandana Mehrotra

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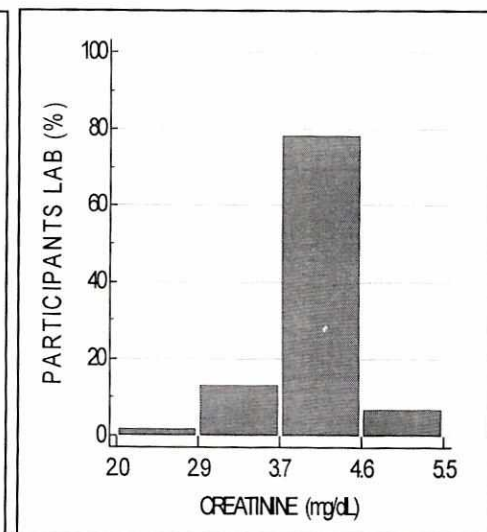
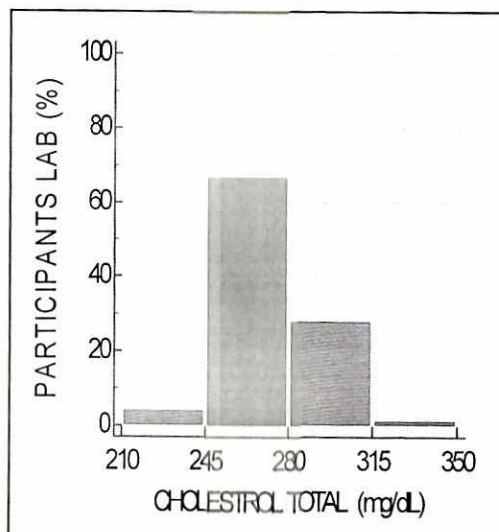
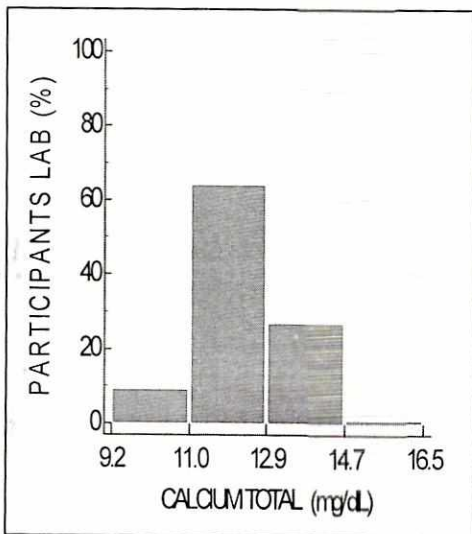
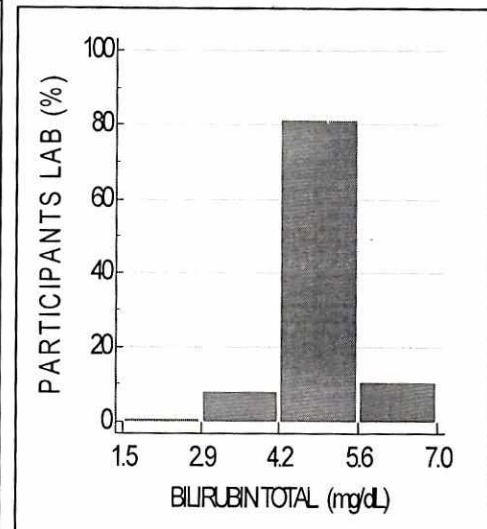
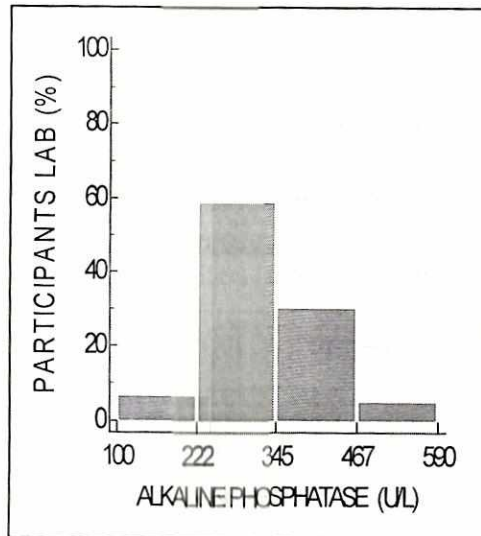
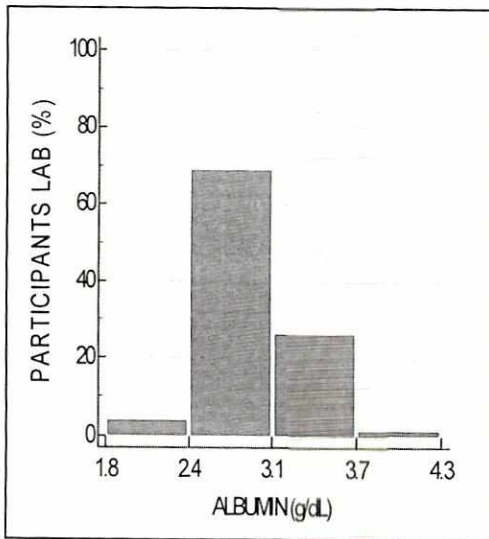


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022  
Round-10

Date:20/10/2022

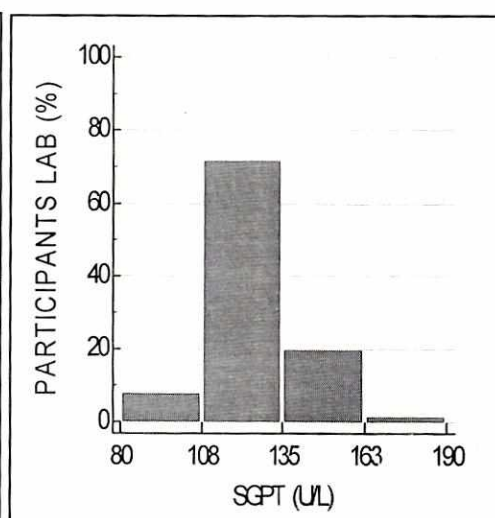
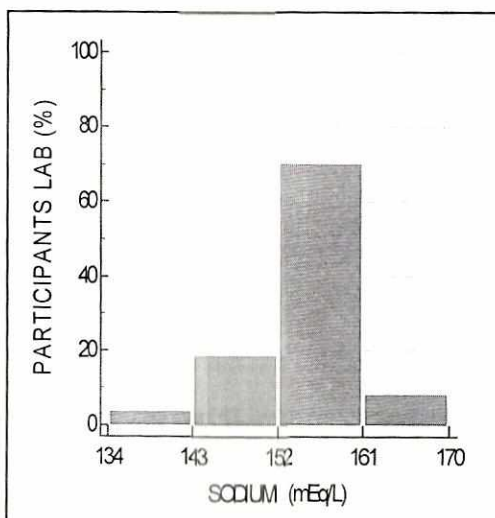
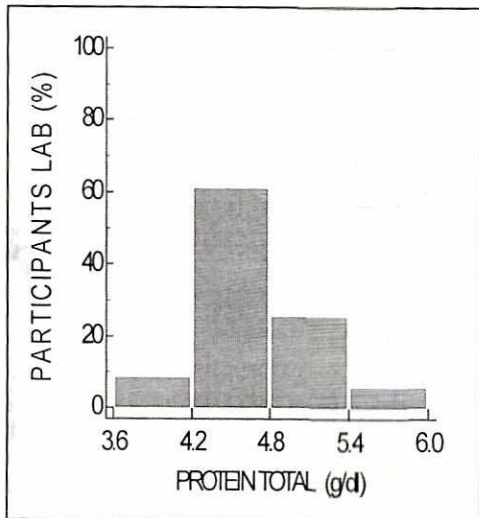
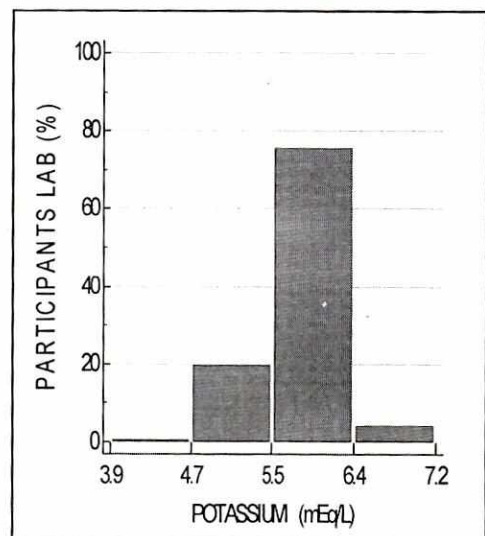
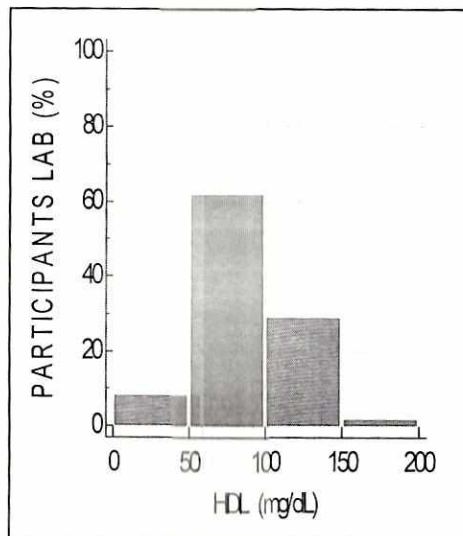
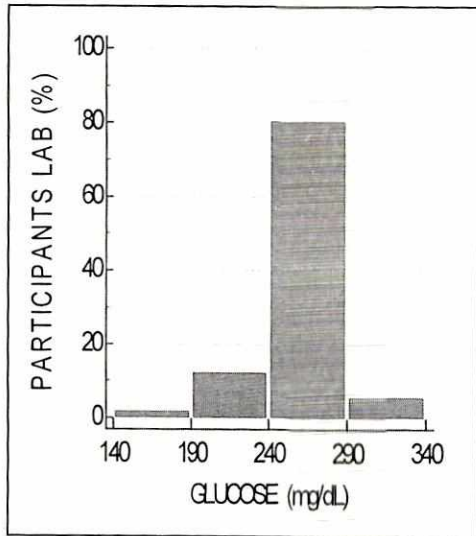


## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round-10

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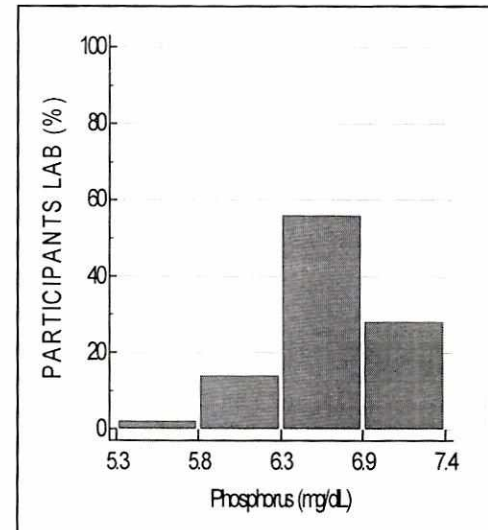
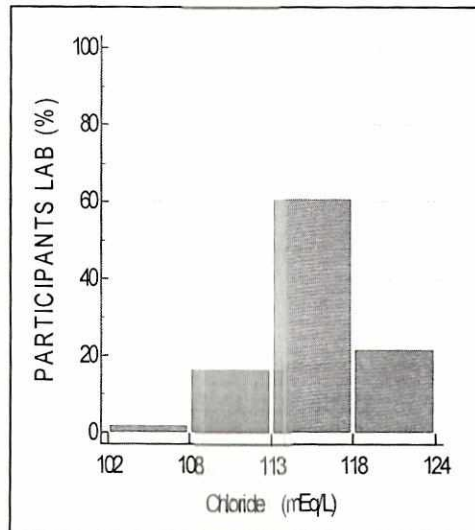
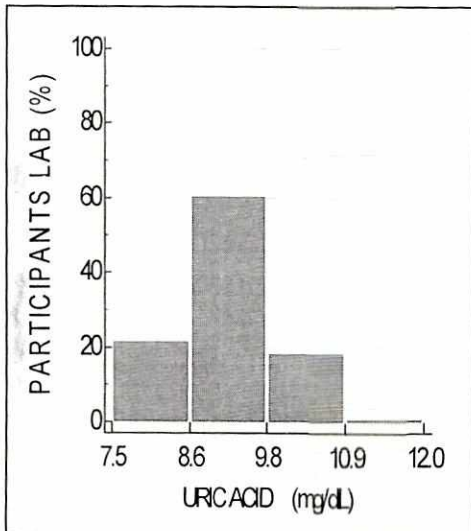
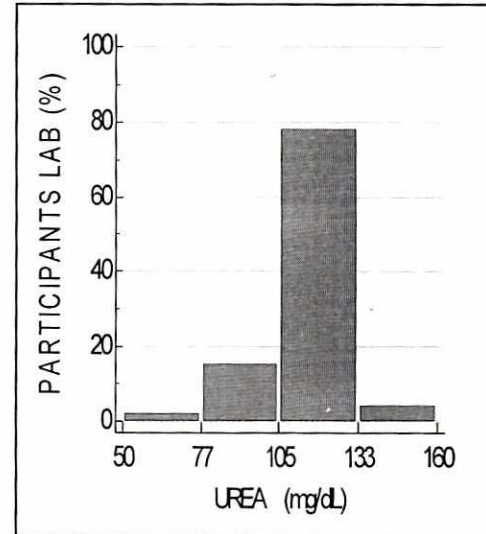
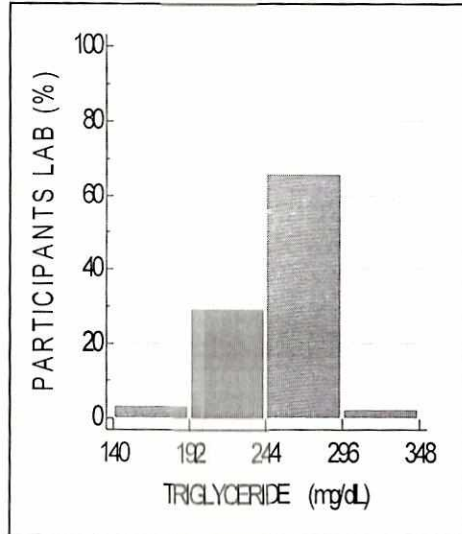
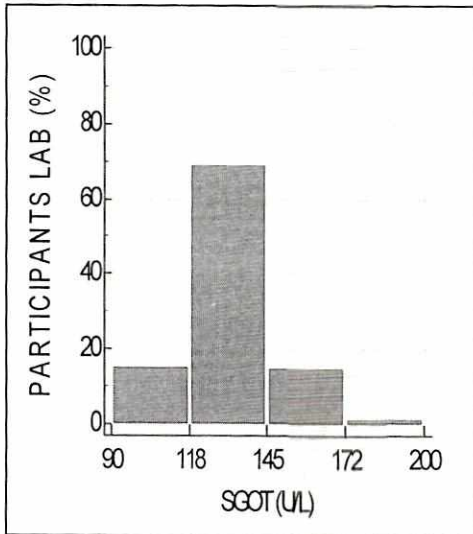


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GRAPHICAL REPORT

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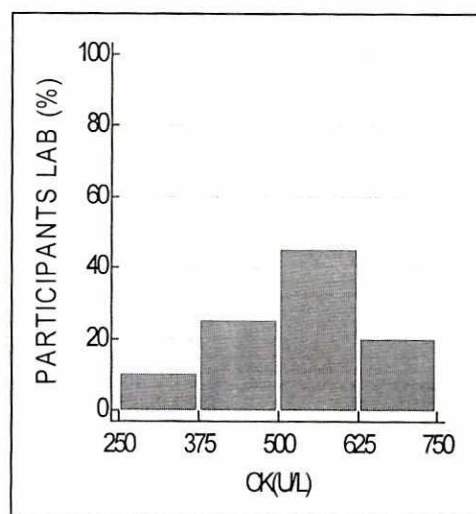
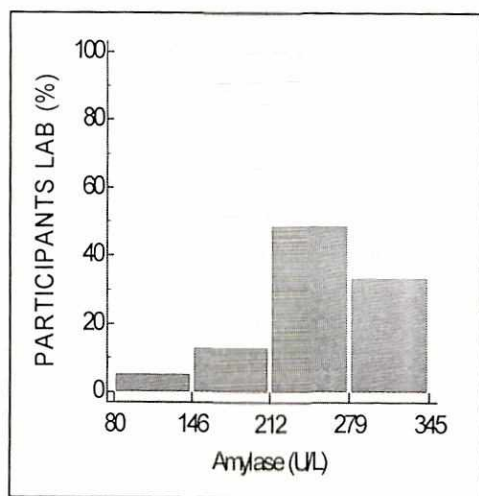
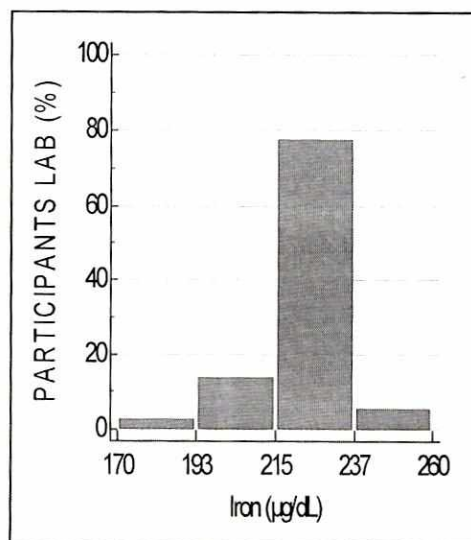
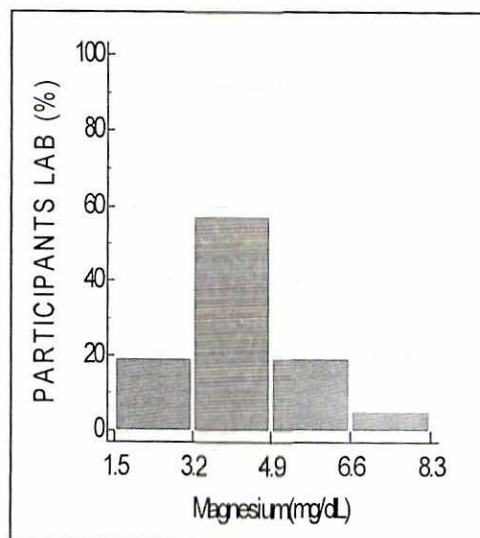


**BIO-CHEMISTRY**

**GRAPHICAL REPORT**

Cycle - 11/2022  
Round-10

Date:20/10/2022





## Biochemistry

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -10

Date: 20/10/2022

**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 Group Mean	No. of Participants SDI b/w 0.0 - 2	No. of Participants SDI b/w 2.1 - 2.9	No. of Participants SDI >3
Albumin	284	236	4	207	16	13
Alkaline Phosphatase	284	226	2	210	12	4
Bilirubin Total	284	237	6	211	13	13
Calcium(Total)	284	207	15	173	13	21
Cholesterol (Total)	284	231	8	207	10	14
Creatinine	284	241	5	219	7	15
Glucose	284	239	4	213	11	15
HDL	284	217	0	210	6	1
Potassium	284	196	5	171	11	14
Protien (Total)	284	231	12	198	14	19
Sodium	284	196	6	178	6	12
SGPT/ALT	284	235	4	211	13	11
SGOT/AST	284	234	4	204	16	14
Triglyceride	284	229	5	201	9	19
Urea	284	240	6	213	10	17
Uric Acid	284	237	8	208	17	12

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

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