



# RML- Quality Assurance Program (RML-QAP)



## BIO-CHEMISTRY-02

### ALL METHOD REPORT

Lab Code: 2487

Cycle - 11/2022

Round No - 11

Date: 28/11/2022

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	242	2.9	0.2	0.02	2.4-3.4	3.0	0.4
Alkaline Phosphatase	U/L	234	321.1	71.9	5.88	177.2-464.9	350	0.4
Bilirubin Total	mg/dL	242	4.9	0.6	0.05	3.8-6.1	5.1	0.3
Calcium(Total)	mg/dL	216	12.2	0.9	0.07	10.5-13.9	11.5	-0.8
Cholesterol (Total)	mg/dL	236	270.3	16.0	1.30	238.3-302.3	260	-0.6
Creatinine	mg/dL	246	4.2	0.4	0.03	3.4-4.9	4.2	0.1
Glucose	mg/dL	248	258.1	18.7	1.49	220.7-295.5	284	1.4
HDL	mg/dL	226	85.9	30.5	2.54	24.9-146.9	47.0	-1.3
Potassium	mEq/L	201	5.8	0.3	0.03	5.1-6.4	5.2	-1.8
Protein (Total)	g/dl	241	4.6	0.3	0.03	3.9-5.2	4.8	0.7
Sodium	mEq/L	200	155.3	4.7	0.41	145.9-164.7	152	-0.7
SGPT/ALT	U/L	242	122.8	13.1	1.05	96.6-149.1	122	-0.1
SGOT/AST	U/L	242	128.6	12.3	0.99	103.9-153.3	124	-0.4
Triglyceride	mg/dL	236	249.8	15.9	1.29	218.0-281.5	263	0.8
Urea	mg/dL	246	113.9	10.4	0.83	93.1-134.7	114	0.0
Uric Acid	mg/dl	242	9.4	0.9	0.07	7.4-10.8	9.8	0.5
Chloride	mEq/L	68	116.1	4.7	0.72	106.6-125.6	115	-0.2
Phosphorus	mg/dL	63	6.8	0.2	0.04	6.3-7.2	6.8	0.2
Magnesium	mg/dl	20	4.1	0.5	0.13	3.1-5.0	.	-
Iron	ug/dL	53	223.3	23.3	4.00	176.8-269.8	252	1.2
Amylase	U/L	40	264.4	38.2	7.55	188.0-340.8	.	-
CK	U/L	23	565.4	137.7	35.89	290.0-840.7	.	-

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

Dr.Sanjay Mehrotra

Checked By

Prepared by: SS

Programme Director

Dr.Bandana Mehrotra

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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 - 11

Date: 28/11/2022

Lab Code: 2487

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	Bromcresal Green (BCG)	102	2.9	0.2	0.03	2.5-3.4	3.0	0.3
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	70	312.3	58.3	8.71	195.8-428.9	350	0.6
Bilirubin Total @	mg/dL	Diazonium Ion	60	4.9	0.5	0.08	3.8-5.9	-	-
Calcium(Total)	mg/dL	Arsenazo iii	59	12.4	0.8	0.13	10.8-13.9	11.5	-1.1
Cholesterol (Total)@	mg/dL	Cholestrol Oxidase,esterase, peroxidase	68	270.9	13.7	2.08	243.4-298.3	-	-
Creatinine	mg/dL	Enzymatic	43	4.4	0.3	0.06	3.7-5.0	4.2	-0.5
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	44	263.0	20.4	3.85	222.2-303.8	-	-
HDL @	mg/dL	Direct measure-PEG	33	85.4	38.8	8.43	7.9-162.9	-	-
Potassium	mEq/L	ISE Direct	66	5.8	0.3	0.05	5.2-6.4	5.2	-1.9
Protein (Total) @	g/dl	Biuret, reagent blank, end point	40	4.5	0.3	0.06	3.9-5.2	-	-
Sodium	mEq/L	ISE Direct	69	154.6	4.2	0.64	146.1-163.1	152	-0.6
SGPT/ALT @	U/L	UV without P5P	44	120.6	11.8	2.22	97.0-144.2	-	-
SGOT/AST @	U/L	UV without P5P	44	124.6	10.5	1.99	103.5-145.6	-	-
Triglyceride @	mg/dL	Enzymatic, end point	40	254.3	10.8	2.13	232.7-275.9	-	-
Urea @	mg/dL	Urease, UV	54	114.4	8.8	1.49	96.8-132.0	-	-
Uric Acid @	mg/dl	Uricase, Colorimetric	74	9.1	0.9	0.13	7.3-10.9	-	-

### 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

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

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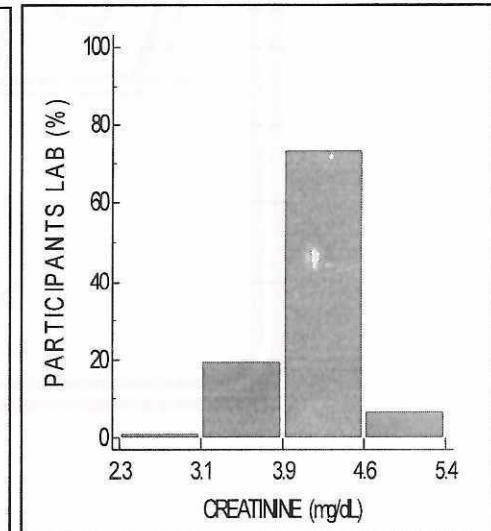
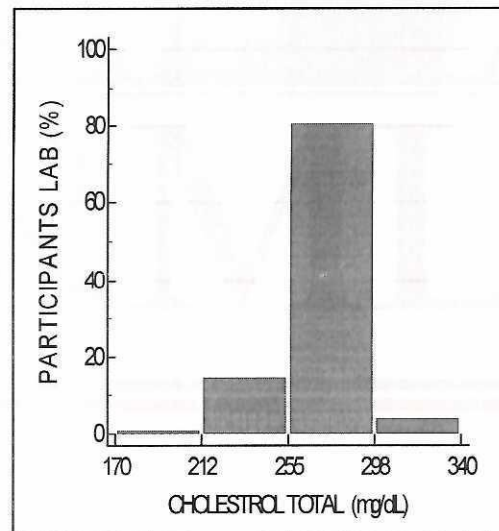
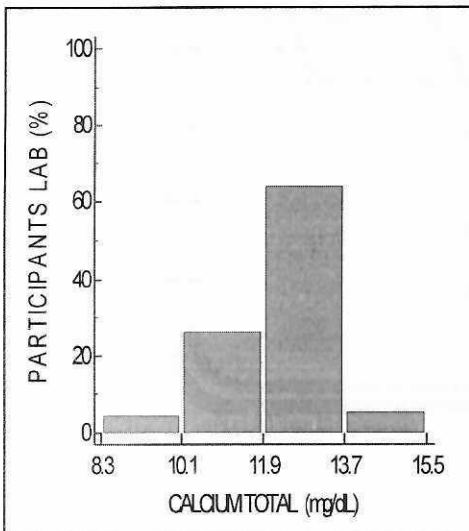
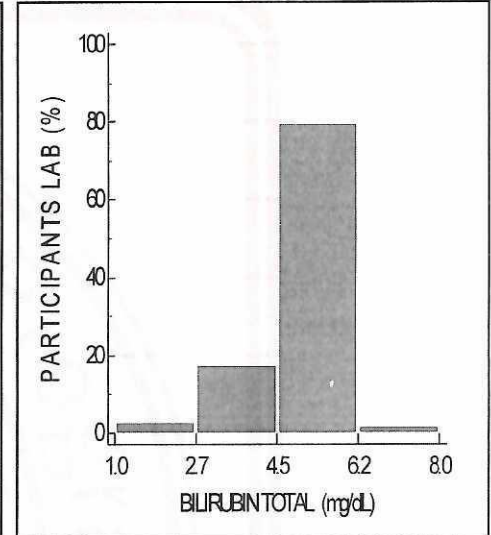
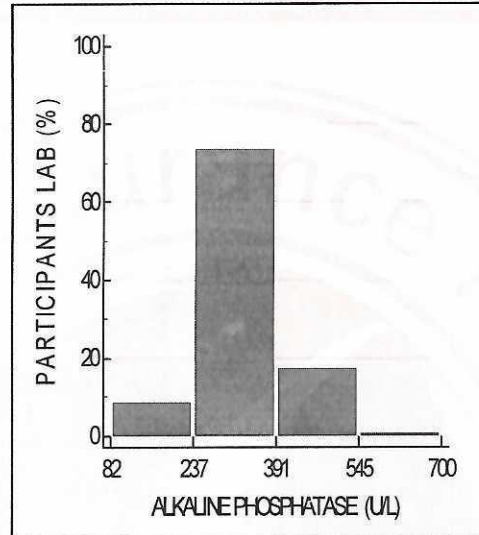
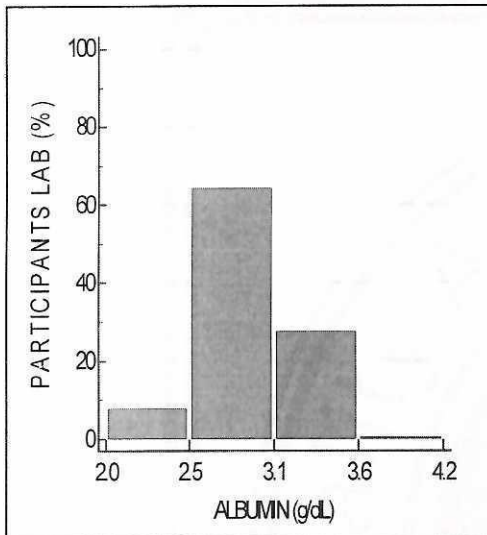
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## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round-11

Date:28/11/2022

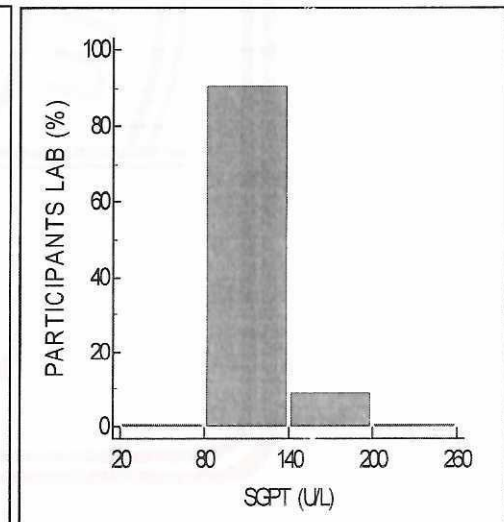
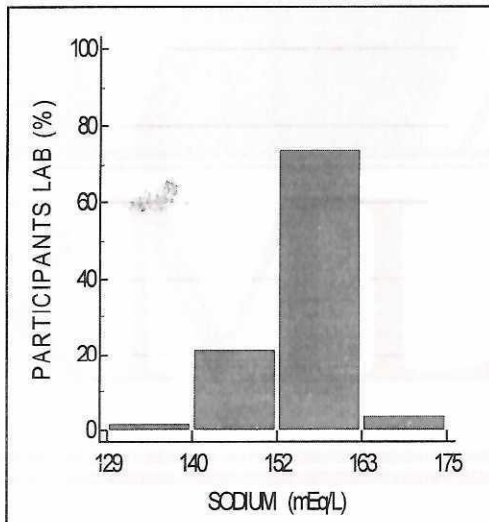
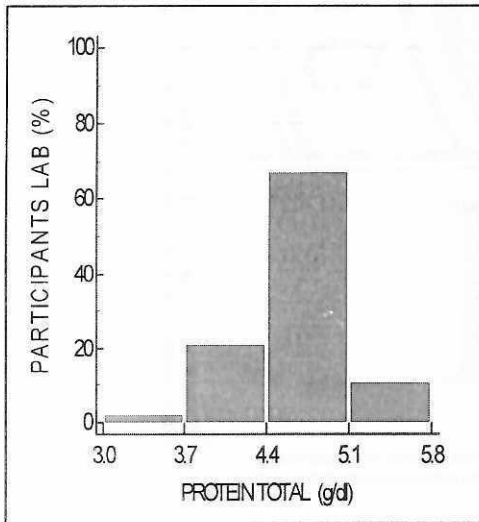
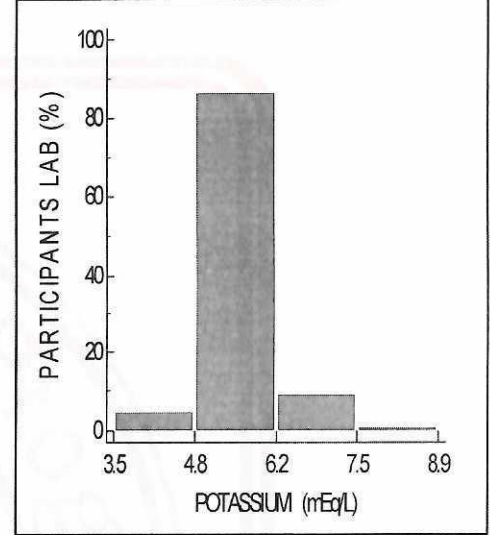
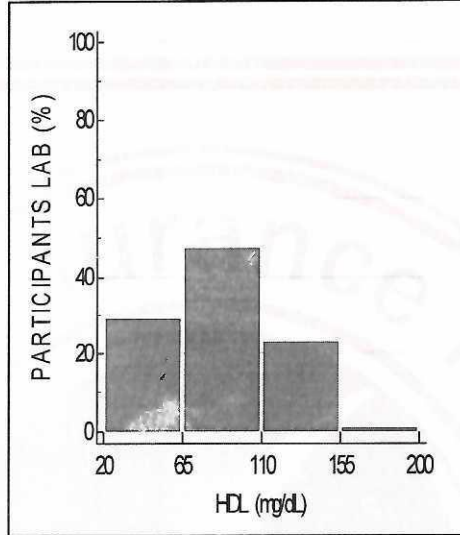
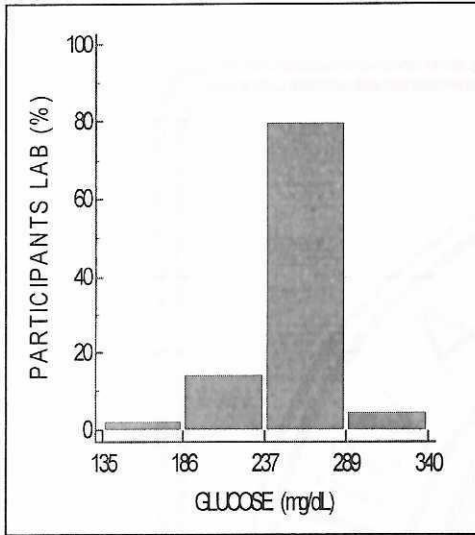


## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round-11

Date:28/11/2022

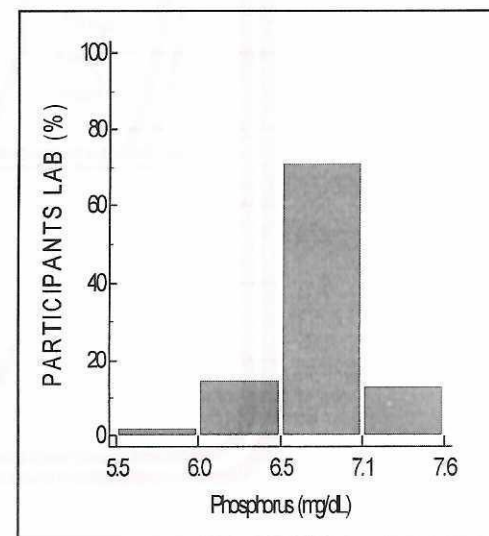
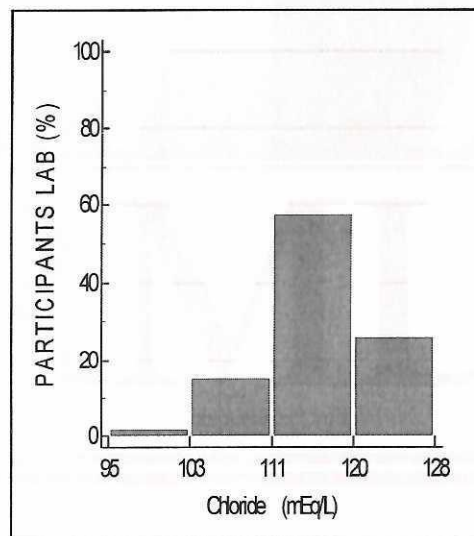
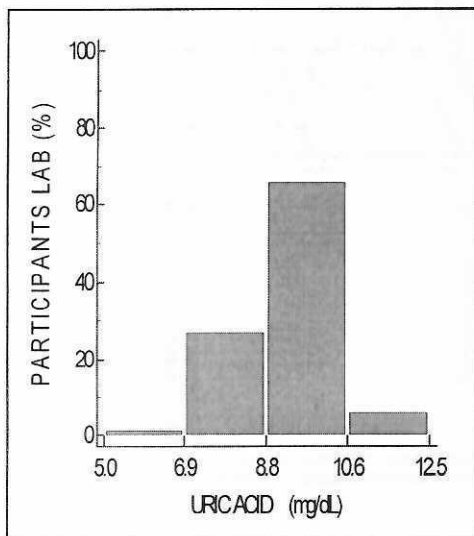
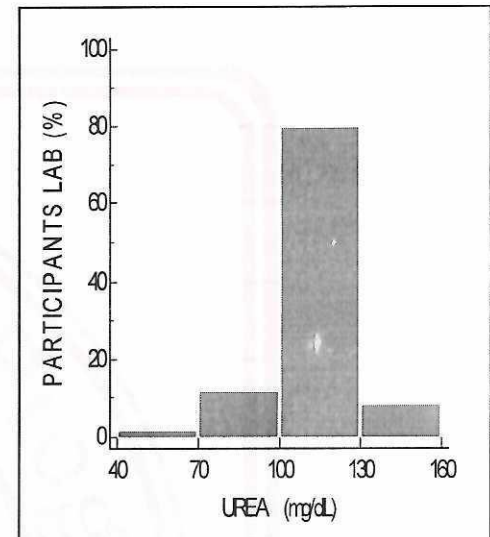
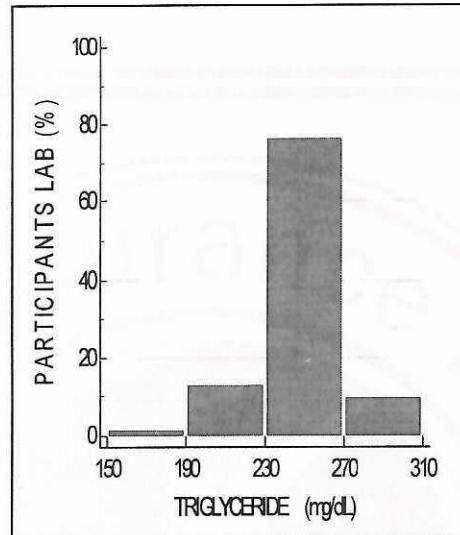
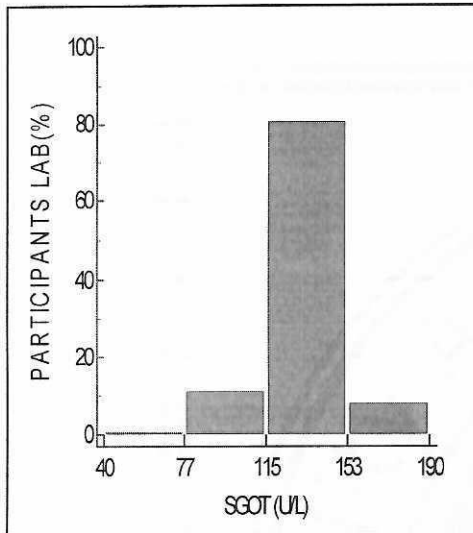


## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round-11

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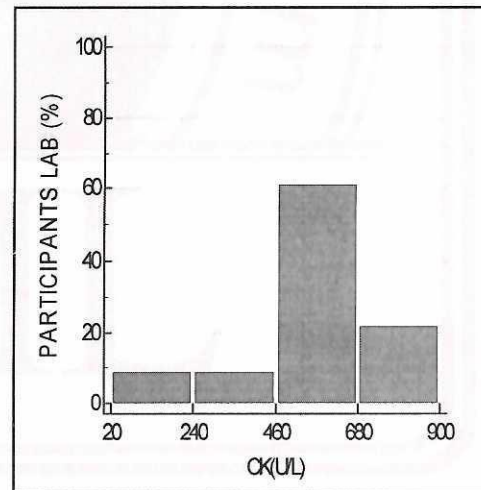
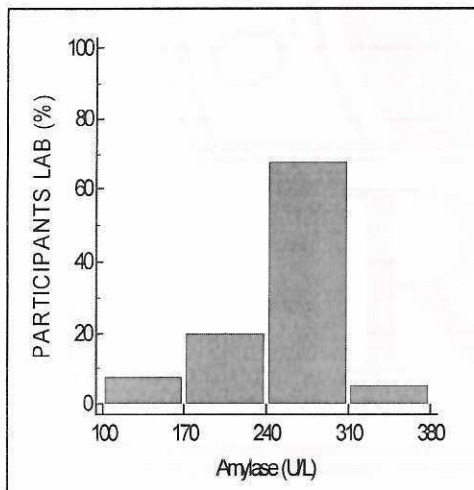
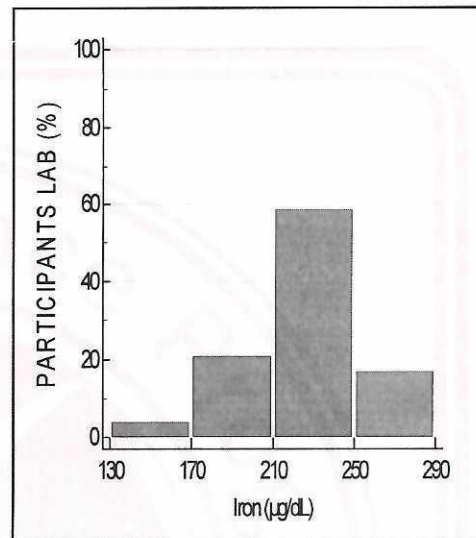
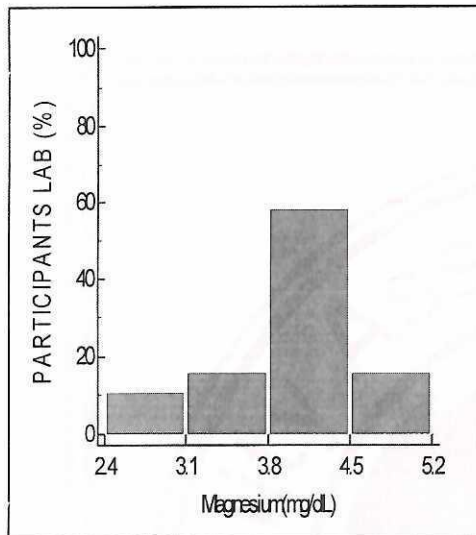


**BIO-CHEMISTRY**

**GRAPHICAL REPORT**

Cycle - 11/2022  
Round-11

Date:28/11/2022



## Biochemistry

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022  
Round No -11

Date: 28/11/2022

**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	291	242	8	210	20	12
Alkaline Phosphatase	291	234	3	223	6	5
Bilirubin Total	291	242	1	222	9	11
Calcium(Total)	291	216	8	182	16	18
Cholesterol (Total)	291	236	9	209	11	16
Creatinine	291	246	5	230	10	6
Glucose	291	248	4	225	13	10
HDL	291	226	0	223	2	1
Potassium	291	201	5	179	10	12
Protien (Total)	291	241	7	215	11	15
Sodium	291	200	5	182	6	12
SGPT/ALT	291	242	4	221	13	8
SGOT/AST	291	242	6	208	18	16
Triglyceride	291	236	7	198	13	25
Urea	291	246	5	222	8	16
Uric Acid	291	242	5	221	12	9

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

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