

## **Scope of Biochemistry**

Respected Sir/Madam,

(Sub: Scope of Biochemistry)

We request you to remove Potassium, Sodium & Chloride from the scope and do the needful.

Thanking you,

Regards

Mr. Sridhar

Director

Referral Labs (OPC) Private Ltd

## BIO-CHEMISTRY-02

### ALL METHOD REPORT

Cycle - 11/2022

Round No - 9

Lab Code: 2603

Date: 24/09/2022

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	238	4.1	0.3	0.02	3.5-4.6	4.2	0.5
Alkaline Phosphatase	U/L	227	175.9	34.8	2.89	106.3-245.5	193	0.5
Bilirubin Total	mg/dL	239	1.5	0.2	0.02	1.0-1.9	1.8	1.5
Calcium(Total)	mg/dL	210	8.9	0.6	0.05	7.7-10.1	10.0	1.8
Cholesterol (Total)	mg/dL	233	166.8	20.4	1.67	126.1-207.6	155	-0.6
Creatinine	mg/dL	242	1.4	0.2	0.01	1.0-1.8	1.4	0.1
Glucose	mg/dL	242	105.1	9.9	0.80	85.2-124.9	107	0.2
HDL	mg/dL	223	56.2	16.4	1.37	23.4-88.9	42.9	-0.8
Potassium	mEq/L	200	3.9	0.2	0.02	3.5-4.3	.	-
Protein (Total)	g/dl	236	5.8	0.4	0.03	5.1-6.5	5.4	-1.1
Sodium	mEq/L	197	138.5	4.0	0.36	130.5-146.6	.	-
SGPT/ALT	U/L	238	30.2	4.0	0.32	22.2-38.1	28	-0.5
SGOT/AST	U/L	238	31.0	4.5	0.37	22.0-40.1	25	-1.3
Triglyceride	mg/dL	235	93.1	9.3	0.76	74.4-111.8	109	1.7
Urea	mg/dL	241	43.4	3.9	0.32	35.5-51.3	42	-0.4
Uric Acid	mg/dl	239	5.8	0.6	0.05	4.6-7.0	6.3	0.9
Chloride	mEq/L	61	99.6	3.3	0.53	92.9-106.2	.	-
Phosphorus	mg/dL	58	4.5	0.3	0.05	4.0-5.1	4.8	1.0
Magnesium	mg/dl	19	2.1	0.3	0.07	1.6-2.6	.	-
Iron	µg/dL	49	120.4	21.5	3.83	77.5-163.4	.	-
Amylase	U/L	38	75.5	13.2	2.67	49.1-101.9	.	-
CK	U/L	21	194.9	61.0	16.64	73.0-316.9	.	-

### 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	{ } 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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BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 11/2022

Round No - 9

Date: 24/09/2022

Lab Code: 2603

Note: Your Lab is not the part of this 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	Bromocresol Green (BCG)	102	4.1	0.3	0.03	3.5-4.6	-	-
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	68	175.0	26.3	3.98	122.5-227.5	-	-
Bilirubin Total	mg/dL	Diazonium Ion	61	1.5	0.2	0.03	1.1-1.9	-	-
Calcium(Total)	mg/dL	Arsenazo iii	60	9.0	0.6	0.10	7.7-10.2	-	-
Cholesterol (Total)	mg/dL	Cholestrol Oxidase,esterase, peroxidase	69	170.7	20.7	3.12	129.3-212.2	-	-
Creatinine	mg/dL	Enzymatic	43	1.4	0.2	0.03	1.1-1.7	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	44	107.4	8.3	1.57	90.8-124.0	-	-
HDL	mg/dL	Direct measure-PIA	33	54.2	21.5	4.67	11.2-97.2	-	-
Potassium	mEq/L	ISE Direct	66	3.9	0.2	0.03	3.5-4.2	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	42	5.8	0.3	0.07	5.1-6.4	-	-
Sodium	mEq/L	ISE Direct	66	138.7	3.2	0.49	132.2-145.1	-	-
SGPT/ALT	U/L	UV without P5P	42	30.3	3.2	0.61	23.9-36.6	-	-
SGOT/AST	U/L	UV without P5P	42	29.8	3.8	0.74	22.1-37.4	-	-
Triglyceride	mg/dL	Enzymatic, end point	38	91.3	10.7	2.16	70.0-112.6	-	-
Urea	mg/dL	Urease, UV	54	43.6	3.3	0.56	37.0-50.3	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	68	5.8	0.5	0.07	4.8-6.7	-	-

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 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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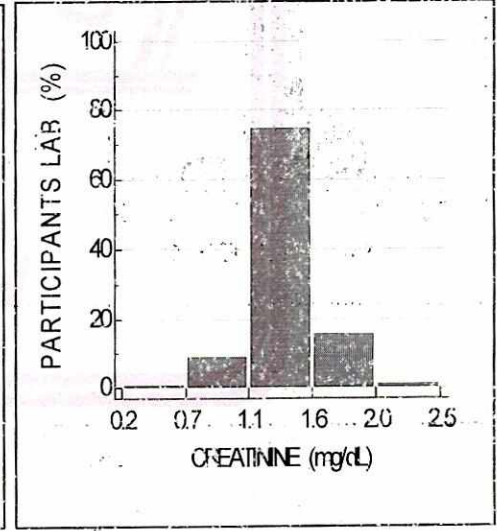
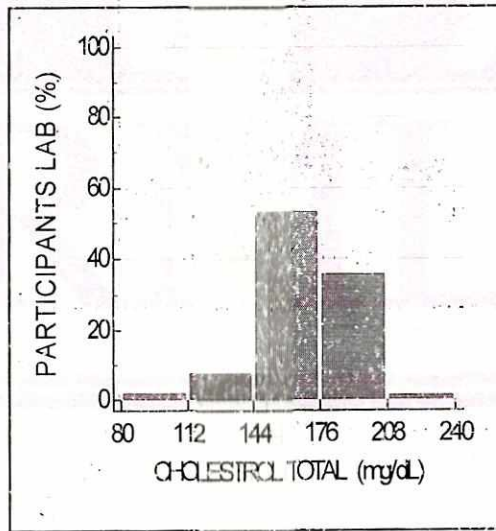
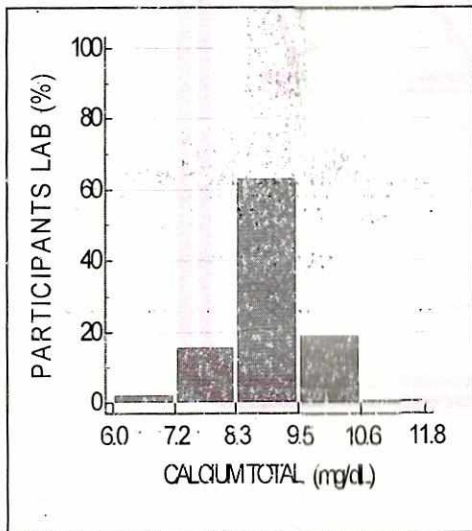
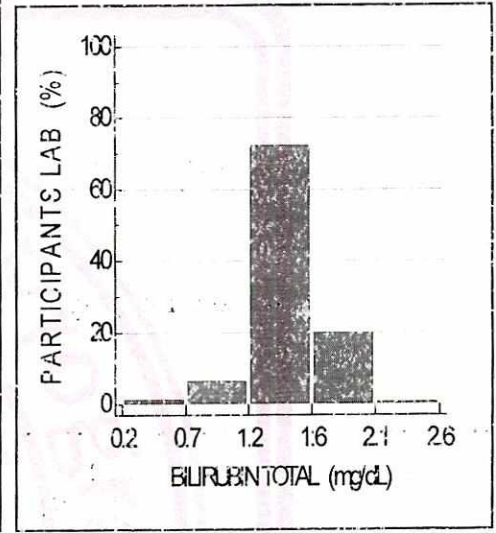
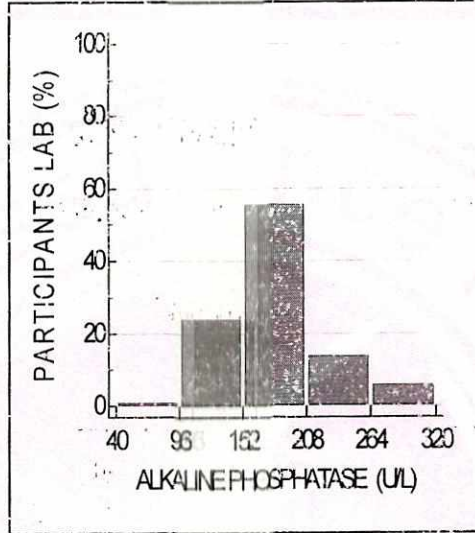
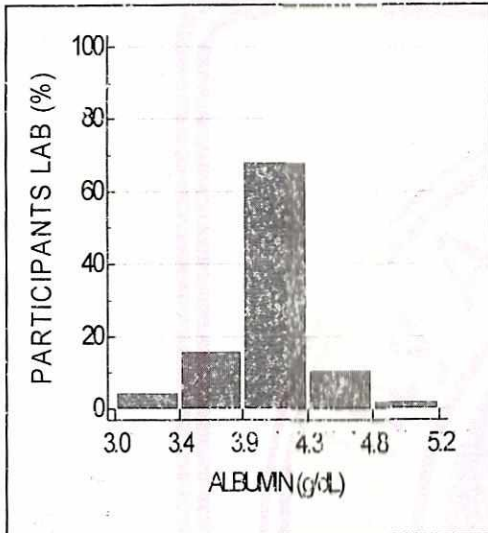


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022  
Round-9

Date:24/09/2022

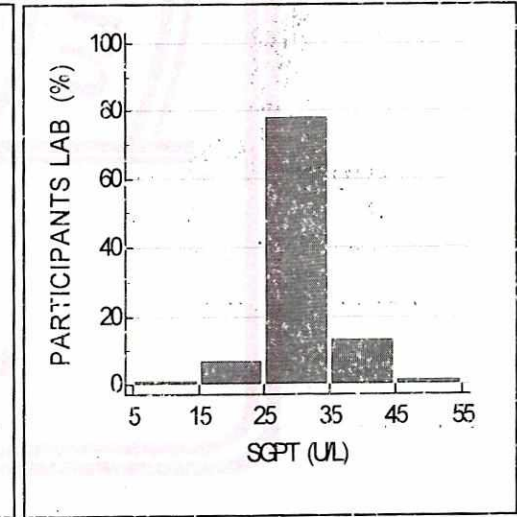
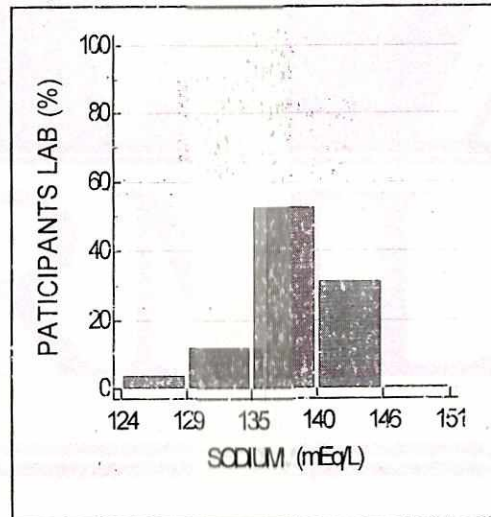
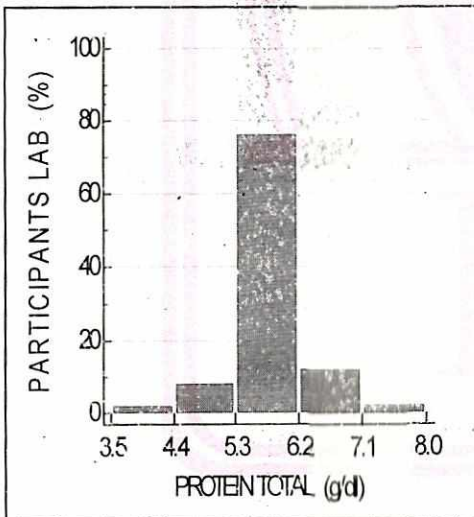
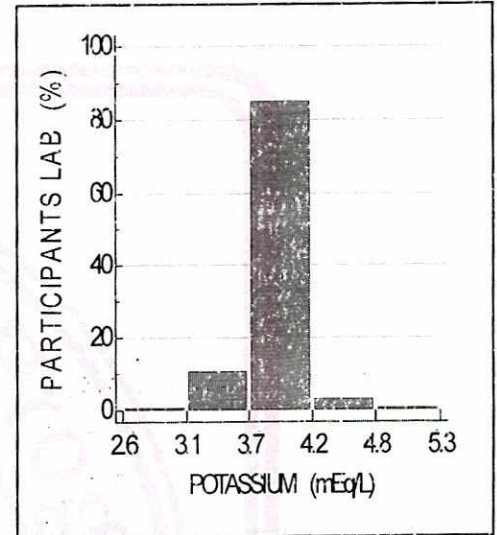
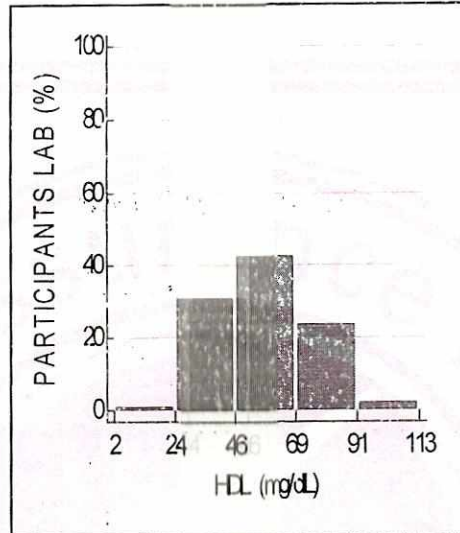
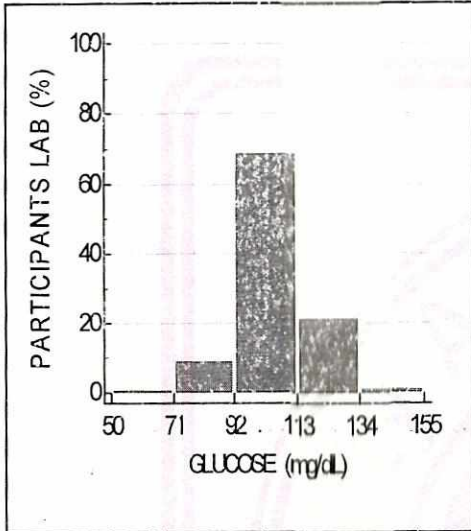


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**GRAPHICAL REPORT**

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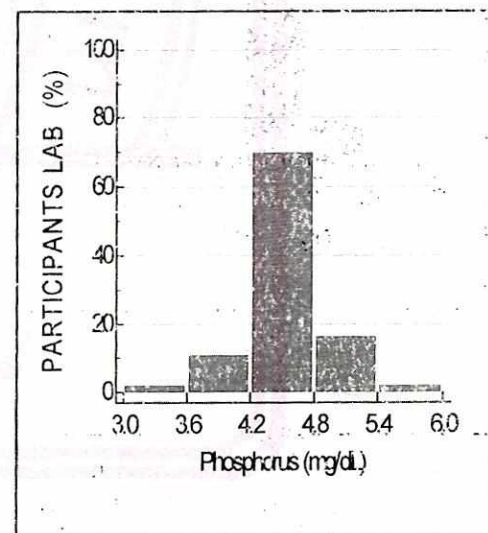
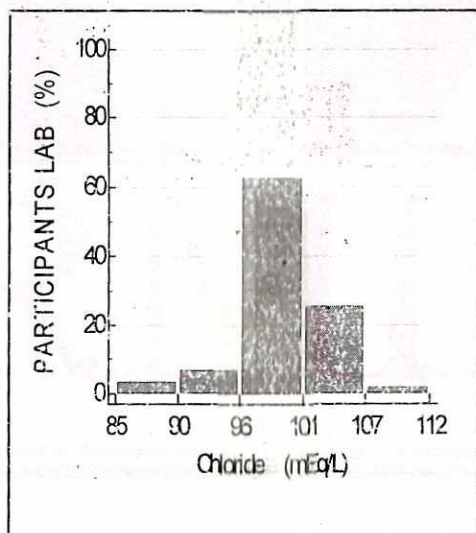
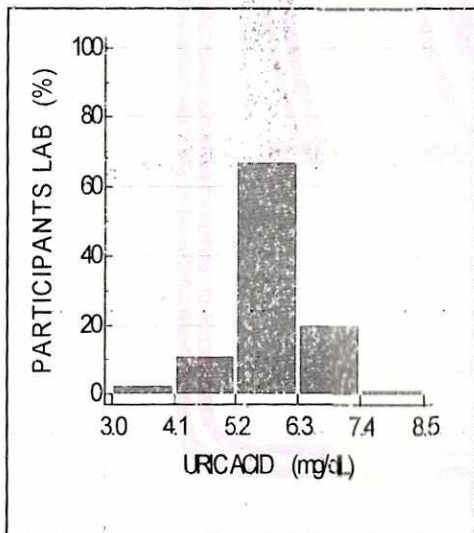
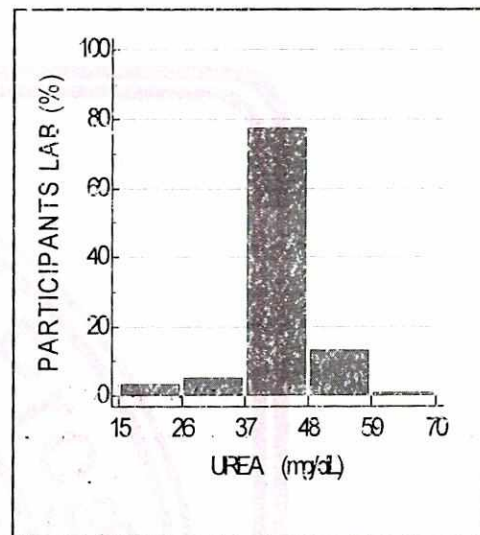
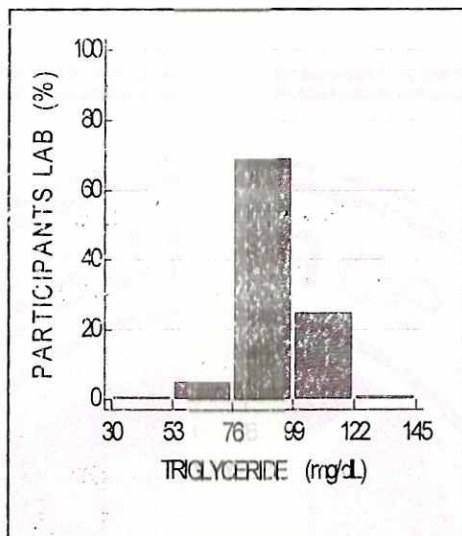
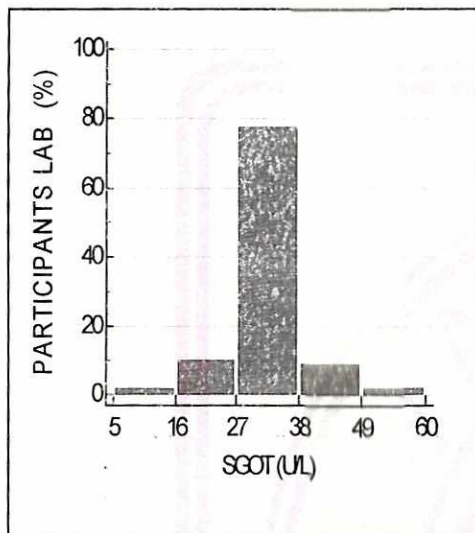


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Round-9

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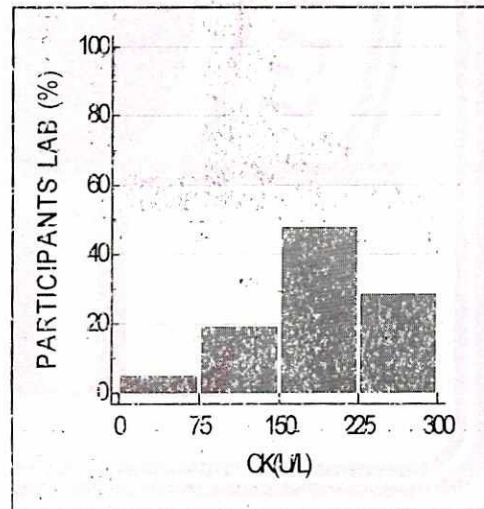
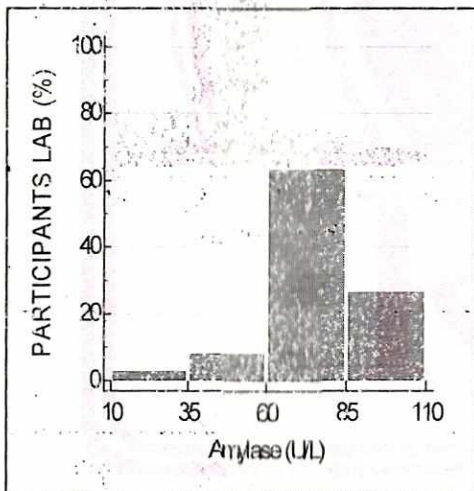
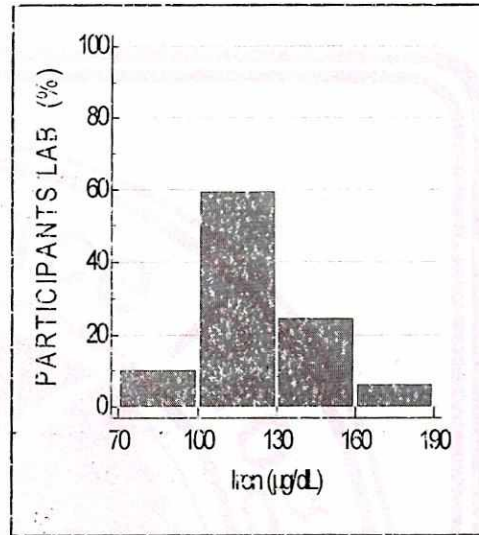
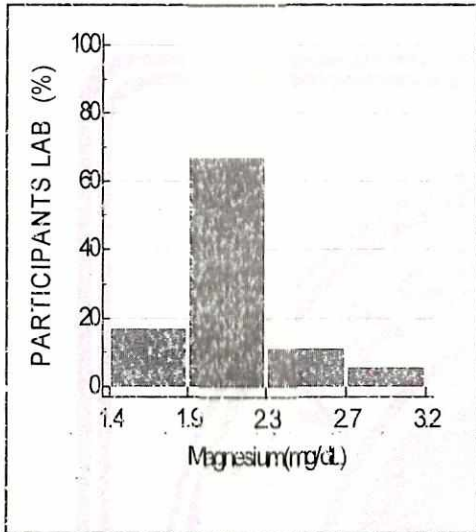


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022  
Round-9

Date:24/09/2022



## Biochemistry

### ALL PARTICIPANTS COMPLETE DATA REPORT

**Cycle - 11/2022**

**Round No -9**

**Date: 24/09/2022**

**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	282	240	7	215	11	14
Alkaline Phosphatase	282	229	2	204	17	8
Bilirubin Total	282	241	3	219	12	10
Calcium(Total)	282	212	11	183	14	15
Cholesterol (Total)	282	235	2	223	5	7
Creatinine	282	244	3	223	12	9
Glucose	282	244	5	226	8	10
HDL	282	225	2	216	5	4
Potassium	282	202	7	181	7	14
Protien (Total)	282	237	15	196	16	25
Sodium	282	199	9	177	6	16
SGPT/ALT	282	240	2	221	7	12
SGOT/AST	282	240	2	214	12	14
Triglyceride	282	237	4	214	12	11
Urea	282	242	5	212	10	20
Uric Acid	282	241	5	223	8	10

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

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