

BIO-CHEMISTRY-02

ALL METHOD REPORT

Cycle - 12/2023

Round No - 1

Date: 28/2/2023

Lab Code: 2620

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	83	2.9	0.2	0.03	2.5-3.3	2.8	-0.7
Alkaline Phosphatase	U/L	83	314.8	44.7	6.13	225.4-404.2	289	-0.6
Bilirubin Total	mg/dL	83	5.2	0.6	0.08	4.1-6.3	5.7	0.9
Calcium(Total)	mg/dL	81	12.4	0.7	0.10	11.0-13.8	12.0	-0.5
Cholesterol (Total)	mg/dL	82	264.0	9.6	1.32	244.8-283.2	261	-0.3
Creatinine	mg/dL	83	4.2	0.2	0.03	3.8-4.6	4.3	0.4
Glucose	mg/dL	82	269.6	13.9	1.91	241.9-297.3	258	-0.8
HDL	mg/dL	81	83.9	11.1	1.54	61.7-106.2	82.0	-0.2
Potassium	mEq/L	79	5.8	0.3	0.04	5.2-6.3	5.9	0.5
Protein (Total)	g/dl	83	4.4	0.2	0.03	4.0-4.9	4.6	0.7
Sodium	mEq/L	79	156.8	2.9	0.40	151.1-162.5	151	-2.0
SGPT/ALT	U/L	83	137.5	9.9	1.36	117.6-157.4	135	-0.2
SGOT/AST	U/L	83	135.2	10.4	1.43	114.4-156.0	128	-0.7
Triglyceride	mg/dL	82	251.4	9.9	1.37	231.5-271.2	245	-0.6
Urea	mg/dL	83	112.4	8.2	1.12	96.1-128.8	120	0.9
Uric Acid	mg/dl	82	9.3	0.5	0.07	8.2-10.3	9.0	-0.5
Chloride	mEq/L	77	114.9	4.2	0.60	106.4-123.3	110	-1.2
Phosphorus	mg/dL	72	6.7	0.4	0.05	6.0-7.4	6.5	-0.5
Magnesium	mg/dl	25	4.1	0.6	0.16	2.8-5.3	.	-
Iron	μ g/dL	59	218.6	10.4	1.69	197.8-239.4	221	0.2
Amylase	U/L	49	285.8	30.5	5.45	224.8-346.9	.	-
CK	U/L	23	576.1	97.6	25.43	381.0-771.2	.	-

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: SS

Programme Director

Dr.Bandana Mehrotra

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RML- Quality Assurance Program (RML-QAP)

BIO-CHEMISTRY-02



METHOD WISE REPORT

Lab Code: 2620

Cycle - 12/2023

Round No - 01

Date: 28/2/2023

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 (± 2 SD)	Your Value	Z Score
Albumin	g/dL	Bromcresal Green (BCG)	63	2.98	0.2	0.03	2.6-3.4	2.8	-0.9
Alkaline Phosphatase	U/L	PNPP	63	310.6	42.63	6.71	225.3-395.9	289	-0.5
Bilirubin Total	mg/dL	Diazonium Ion	63	5.21	0.59	0.09	4.0-6.4	5.7	0.8
Calcium(Total)	mg/dL	Arsenazo iii	46	12.31	0.9	0.17	10.5-14.1	12.0	-0.3
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	66	265.47	11.76	1.81	242.0-289.0	261	-0.4
Creatinine	mg/dL	Alkaline picrate	55	4.24	0.2	0.03	3.8-4.6	4.3	0.3
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	41	277.89	19.61	3.83	238.7-317.1	-	-
HDL @	mg/dL	Direct measure	39	81.2	18.88	3.78	43.4-119.0	-	-
Potassium @	mEq/L	ISE Direct	36	5.66	0.23	0.05	5.2-6.1	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	42	4.62	0.4	0.08	3.8-5.4	4.6	-0.1
Sodium @	mEq/L	ISE Direct	36	156.32	3.9	0.81	148.5-164.1	-	-
SGPT/ALT	U/L	UV without P5P	48	136.01	11.58	2.09	112.9-159.2	135	-0.1
SGOT/AST	U/L	UV without P5P	47	134.25	9.79	1.79	114.7-153.8	128	-0.6
Triglyceride	mg/dL	Enzymatic method	42	252.37	14.01	2.70	224.4-280.4	245	-0.5
Urea	mg/dL	Urease	56	112.08	8.36	1.40	95.4-128.8	120	0.9
Uric Acid	mg/dl	Uricase	49	9.2	0.52	0.09	8.2-10.2	9.0	-0.4
Chloride	mEq/L	ISE Indirect	40	114.13	3.73	0.74	106.7-121.6	110	-1.1
Phosphorus @	mg/dL	Phosphomolybdate method	53	6.67	0.35	0.06	6.0-7.4	-	-
Magnesium @	mg/dl	Uricase Colorimetic	11	3.83	0.42	0.16	3.0-4.7	-	-
Iron	µg/dL	Ferene	25	223.57	13.72	3.43	196.1-251.0	221	-0.2
Amylase @	U/L	Uricase Colorimetic	28	283.22	43.59	10.30	196.0-370.4	-	-

Interpretation of Z Score :

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[Z] ≥ 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: NT

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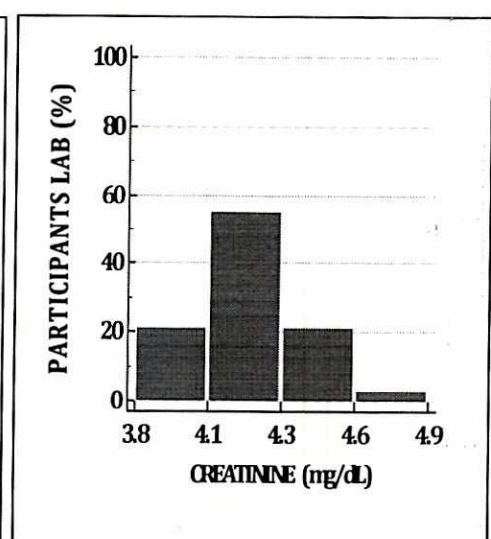
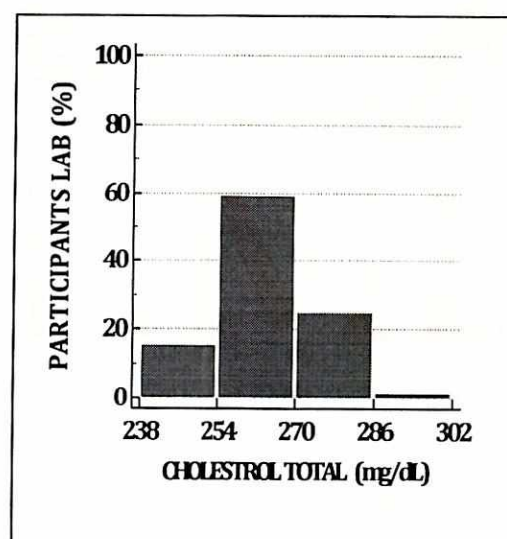
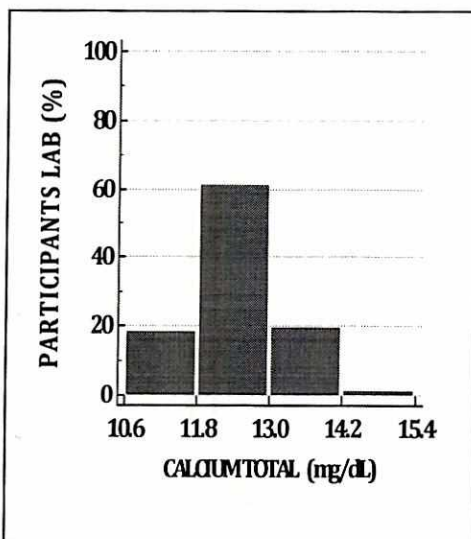
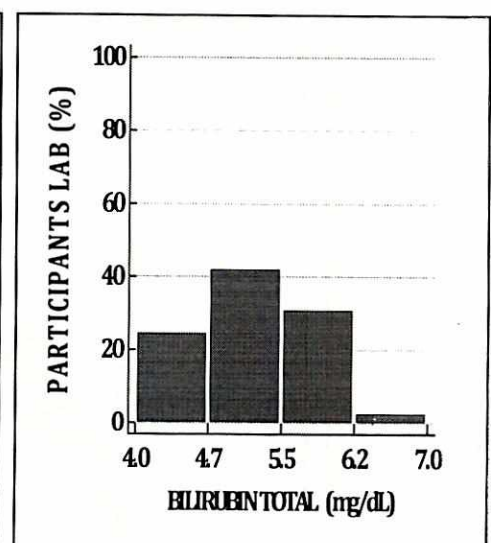
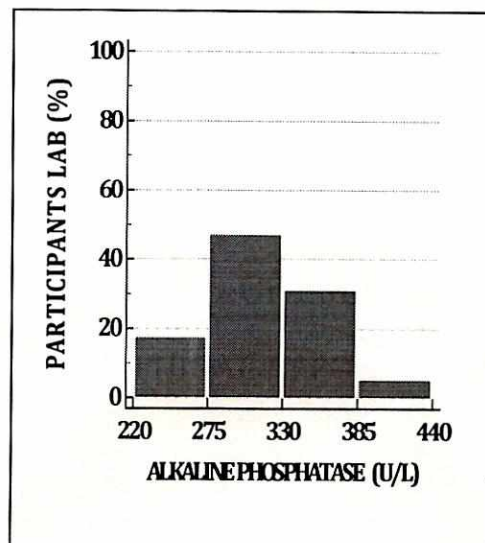
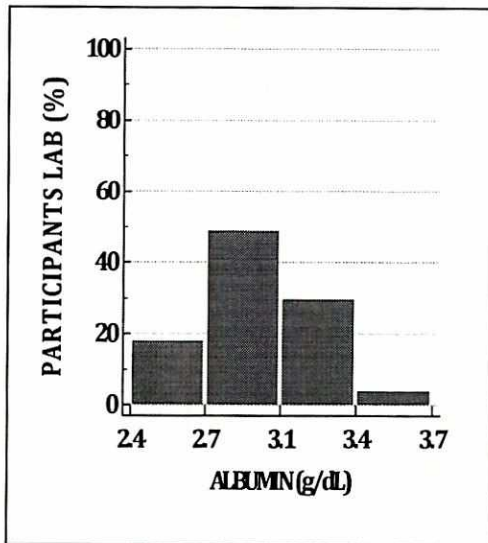
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GRAPHICAL REPORT

Cycle - 12/2023
Round-1

Date: 28/02/2023



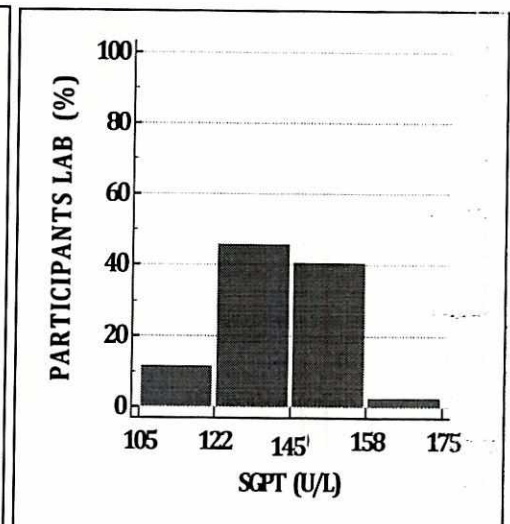
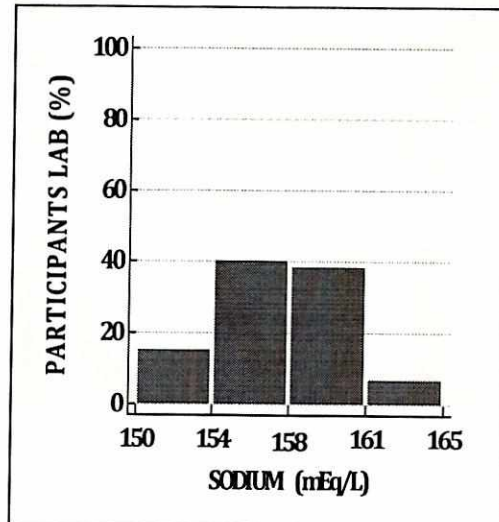
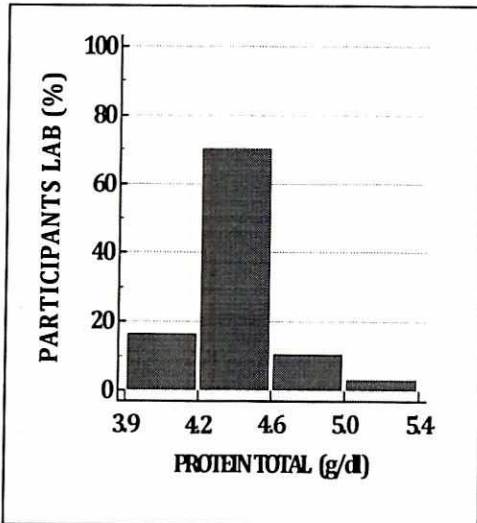
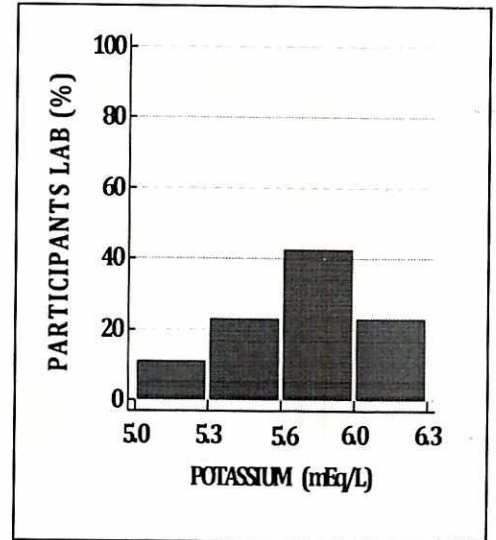
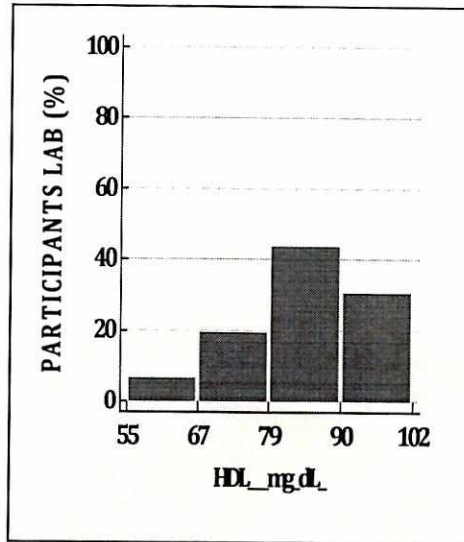
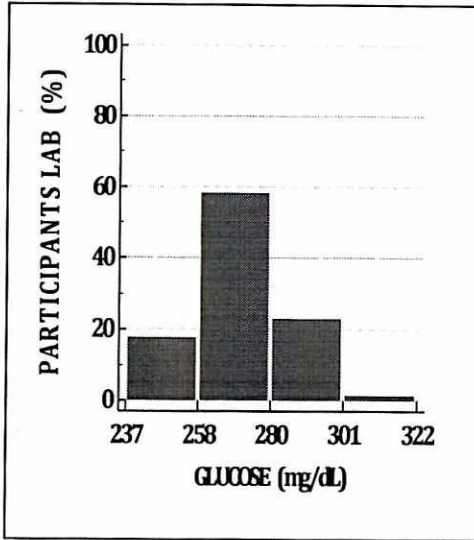
EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023

Round-1

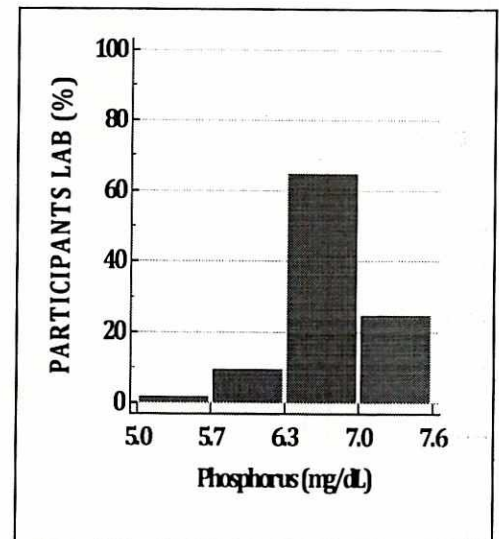
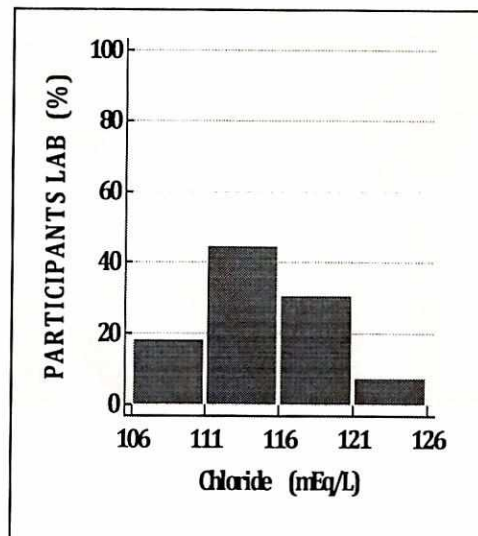
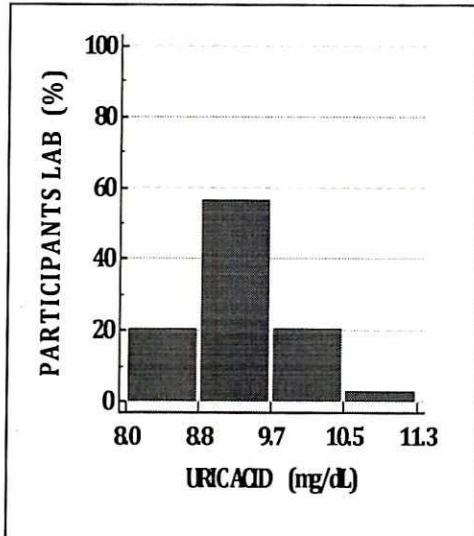
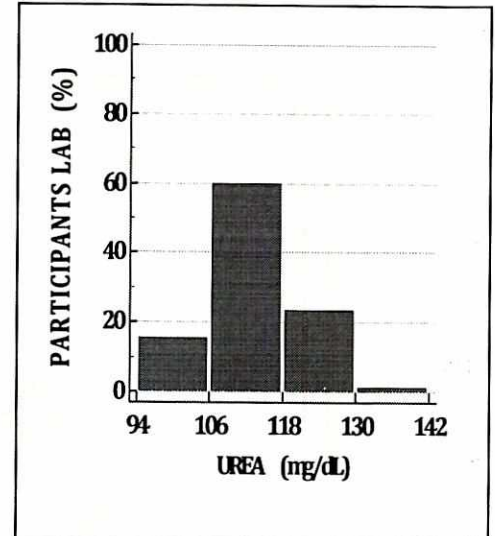
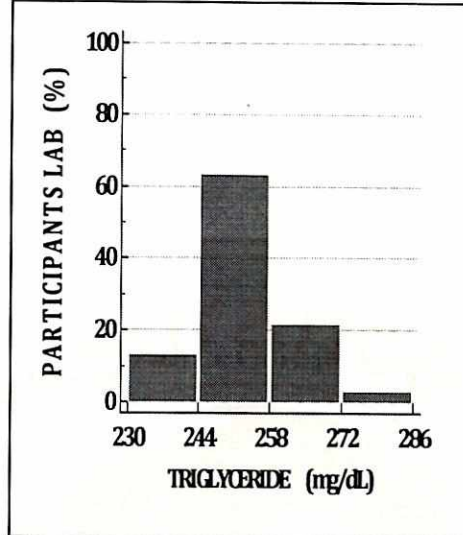
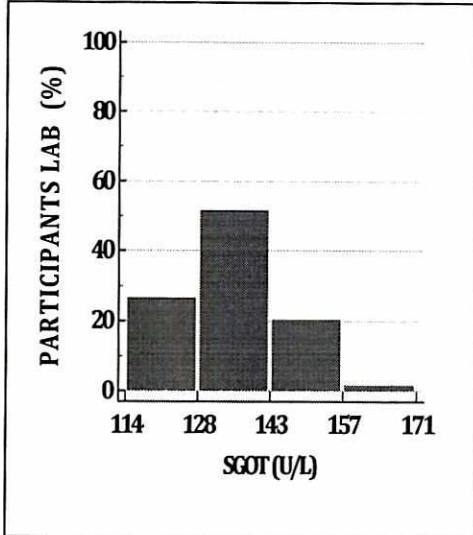
Date: 28/02/2023



GRAPHICAL REPORT

Cycle - 12/2023
Round-1

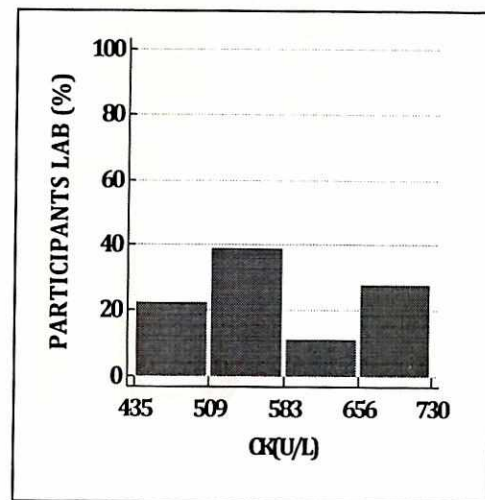
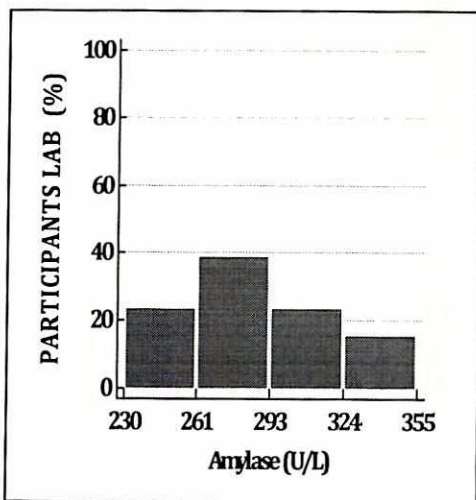
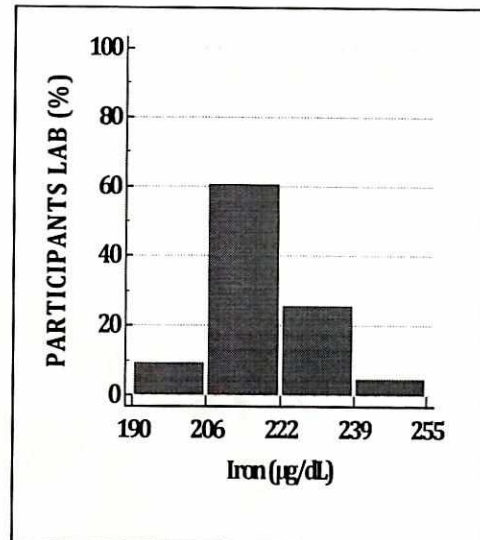
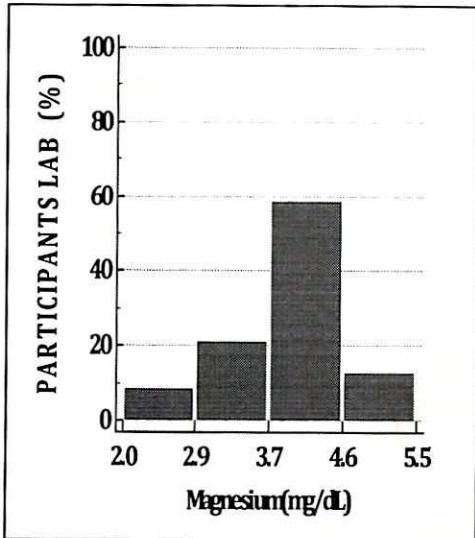
Date: 28/02/2023



GRAPHICAL REPORT

Cycle - 12/2023
Round-1

Date: 28/02/2023



Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -1

Date: 28/02/2023

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	98	83	5	74	4	5
Alkaline Phosphatase	98	83	2	80	1	2
Bilirubin Total	98	83	2	78	3	2
Calcium(Total)	98	81	4	70	7	4
Cholesterol (Total)	98	82	10	66	6	10
Creatinine	98	83	8	71	4	8
Glucose	98	82	9	70	3	9
HDL	98	81	6	64	11	6
Potassium	98	79	3	69	7	3
Protein (Total)	98	83	15	63	5	15
Sodium	98	79	9	62	8	9
SGPT/ALT	98	83	4	75	4	4
SGOT/AST	98	83	15	63	5	15
Triglyceride	98	82	9	68	5	9
Urea	98	83	5	75	3	5
Uric Acid	98	82	7	68	7	7
Chloride mEq/L	98	77	5	69	3	5
Phosphorus mg/dL	98	72	9	62	1	9
Magnesium mg/dl	98	25	2	22	1	2
Iron µg/dL	98	59	13	40	6	13
Amylase U/L	98	49	7	41	1	7
CK U/L	98	23	2	19	2	2

****End of Report****

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