

BIO-CHEMISTRY-02

ALL METHOD REPORT

Cycle - 12/2023

Round No - 03

Date: 31/03/2023

Lab Code: 2744

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	90	3.0	0.2	0.23	2.5-3.4	3.0	0.0
Alkaline Phosphatase	U/L	89	325.4	50.8	50.75	223.9-426.9	261	-1.3
Bilirubin (Total)	mg/dL	90	5.2	0.6	0.08	4.1-6.3	4.7	-0.8
Calcium (Total)	mg/dL	84	12.4	0.7	0.10	11.1-13.7	12.5	0.1
Cholesterol (Total)	mg/dL	89	266.0	11.1	1.47	243.9-288.1	266	0.0
Creatinine	mg/dL	90	4.2	0.2	0.03	3.7-4.7	4.0	-1.0
Glucose	mg/dL	89	271.9	14.1	1.87	243.7-300.1	260	-0.8
HDL	mg/dL	85	75.4	21.5	2.92	32.5-118.3	91.2	0.7
Potassium	mEq/L	83	5.7	0.3	0.04	5.1-6.3	5.9	0.7
Protein (Total)	g/dl	89	4.6	0.3	0.03	4.1-5.1	4.4	-0.7
Sodium	mEq/L	83	156.5	4.4	0.60	147.8-165.2	156	-0.1
SGPT/ALT	U/L	90	136.1	8.3	1.09	119.5-152.7	129	-0.9
SGOT/AST	U/L	89	135.5	8.4	1.11	118.6-152.3	132	-0.4
Triglyceride	mg/dL	88	254.2	10.8	1.44	232.6-275.8	252	-0.2
Urea	mg/dL	89	113.5	6.9	0.91	99.6-127.3	112	-0.2
Uric Acid	mg/dl	89	9.4	0.6	0.08	8.2-10.7	9.2	-0.3
Chloride	mEq/L	80	115.9	3.9	0.55	108.1-123.8	112	-1.0
Phosphorus	mg/dL	75	6.8	0.3	0.04	6.2-7.3	6.7	-0.3
Magnesium	mg/dl	26	4.0	0.8	0.20	2.3-5.6	.	-
Iron	μ g/dL	66	217.8	14.2	2.18	189.4-246.2	217	-0.1
Amylase	U/L	54	287.1	22.2	3.78	242.6-331.6	.	-
CK	U/L	22	533.7	34.4	9.17	464.9-602.5	.	-

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



Dr.Sanjay Mehrotra

Checked By

Prepared by: Sh.K

Programme Director



Dr.Bandana Mehrotra

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BIO-CHEMISTRY-02

METHOD WISE REPORT

Cycle - 12/2023

Round No - 03

Date: 31/03/2023

Lab Code: 2744

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	3.0	0.2	0.03	2.5-3.5	3.0	0.0
Alkaline Phosphatase	U/L	PNPP	62	317	47.7	7.57	221.7-412.3	261	-1.2
Bilirubin Total	mg/dL	Diazonium Ion	62	5.3	0.6	0.10	4.1-6.5	4.7	-1.0
Calcium(Total) @	mg/dL	Arsenazo iii	49	12.4	0.8	0.14	10.8-14.0	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	64	267	10.3	1.61	246.3-287.7	266	-0.1
Creatinine	mg/dL	Alkaline picrate	56	4.3	0.2	0.03	3.9-4.6	4.0	-1.5
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	43	277.8	14.8	2.82	248.2-307.4	-	-
HDL	mg/dL	Direct measure	40	75.9	20.3	4.01	35.2-116.5	91.2	0.8
Potassium @	mEq/L	ISE Direct	39	5.6	0.3	0.06	5.1-6.1	-	-
Protein (Total) @	g/dl	Biuret, reagent blank, end point	42	4.6	0.3	0.06	4.1-5.2	-	-
Sodium @	mEq/L	ISE Direct	38	156.2	4.4	0.89	147.3-165.0	-	-
SGPT/ALT @	U/L	UV without P5P	48	138	10.3	1.86	117.5-158.6	-	-
SGOT/AST @	U/L	UV without P5P	46	135.4	8.6	1.59	118.1-152.6	-	-
Triglyceride @	mg/dL	Enzymatic method	44	255.6	9.9	1.87	235.7-275.4	-	-
Urea	mg/dL	Urease	55	113.5	6.1	1.03	101.3-125.7	112	-0.2
Uric Acid	mg/dl	Uricase	51	9.4	0.6	0.11	8.3-10.6	9.2	-0.3
Chloride	mEq/L	ISE Indirect	42	115.3	3.9	0.75	107.4-123.1	112	-0.8
Phosphorus	mg/dL	Phosphomolybdate method	54	6.8	0.3	0.05	6.2-7.3	6.7	-0.3
Magnesium @	mg/dl	Uricase Colorimetic	11	3.7	1.1	0.41	1.5-6.0	-	-
Iron @	µg/dL	Ferene	30	224.2	10.4	2.37	203.4-245.0	-	-
Amylase	U/L	Uricase Colorimetic	27	287	23.6	5.68	239.7-334.2	-	-

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: sk

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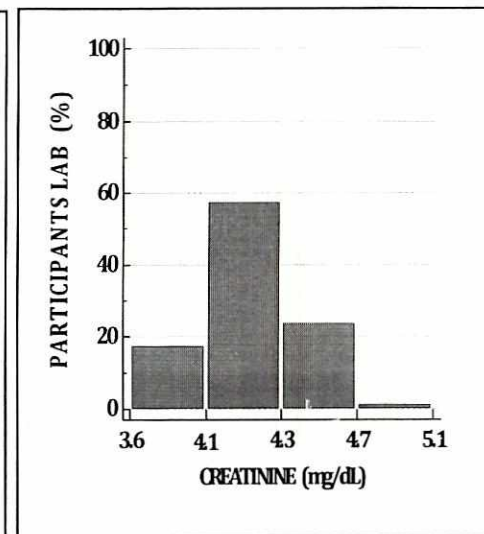
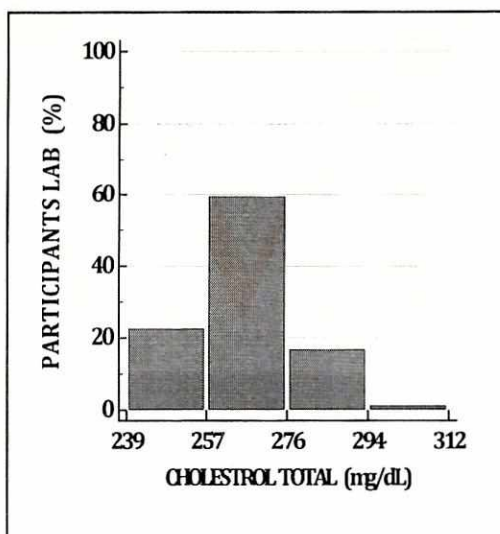
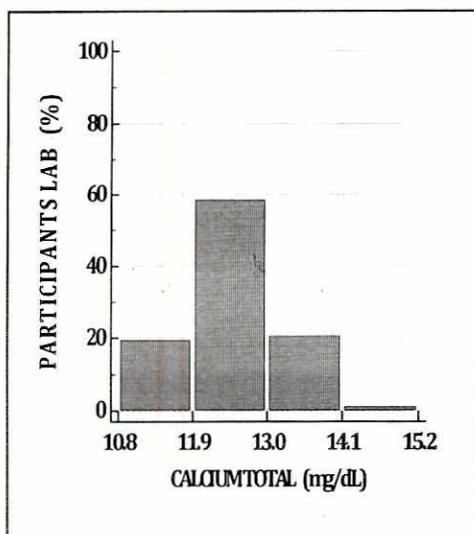
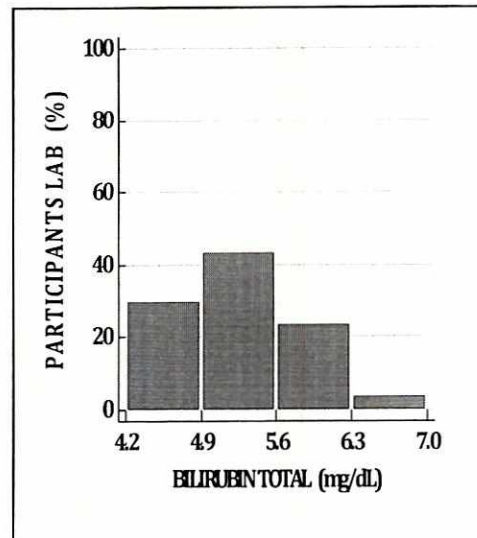
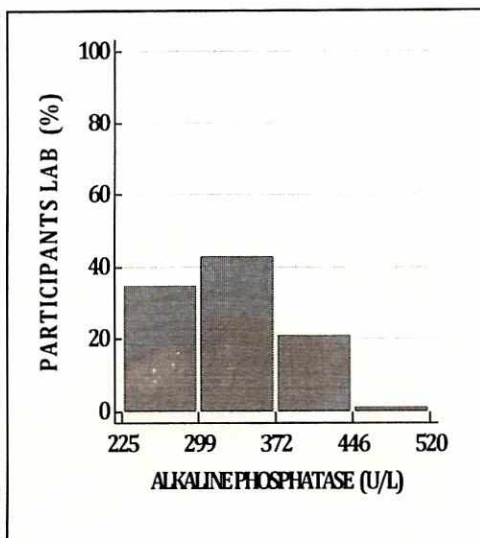
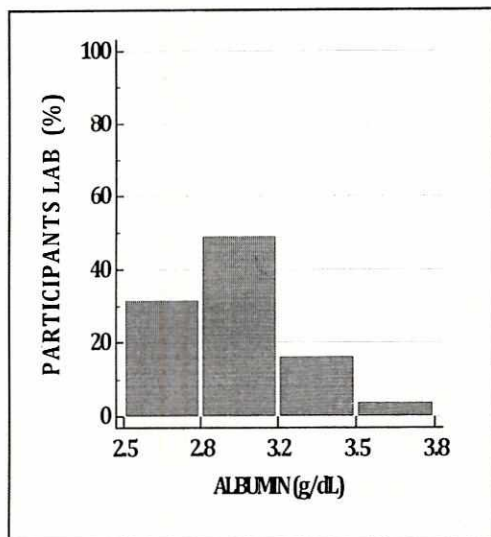


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-3

Date: 31/03/2023



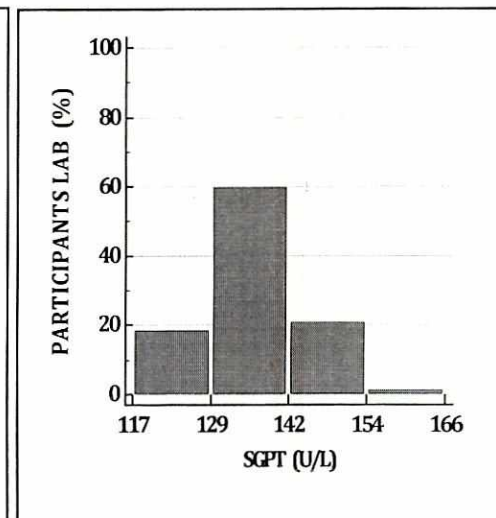
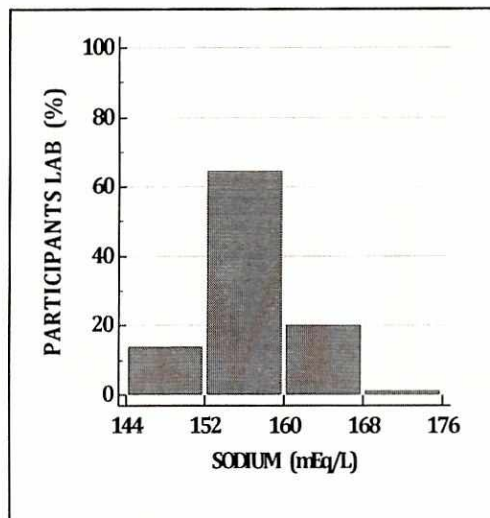
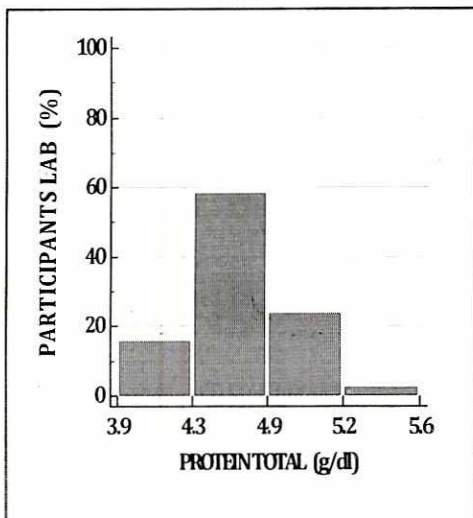
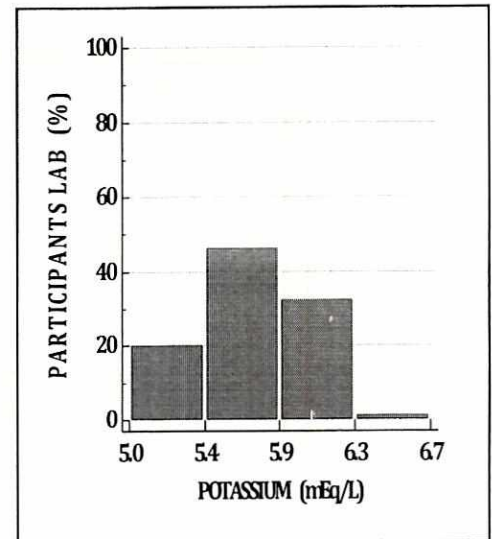
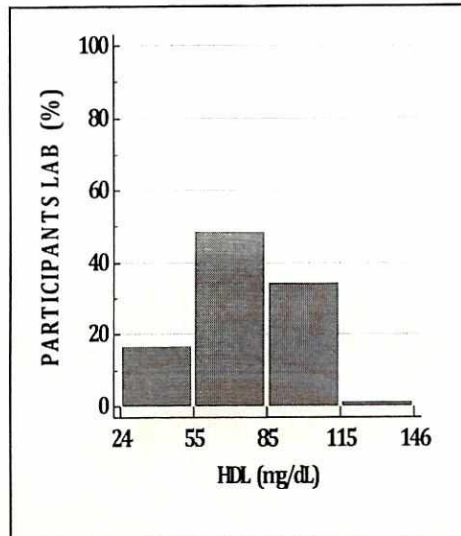
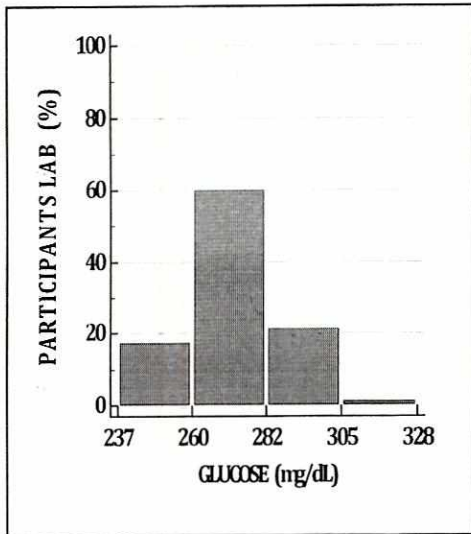


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Round-3

Date: 31/03/2023

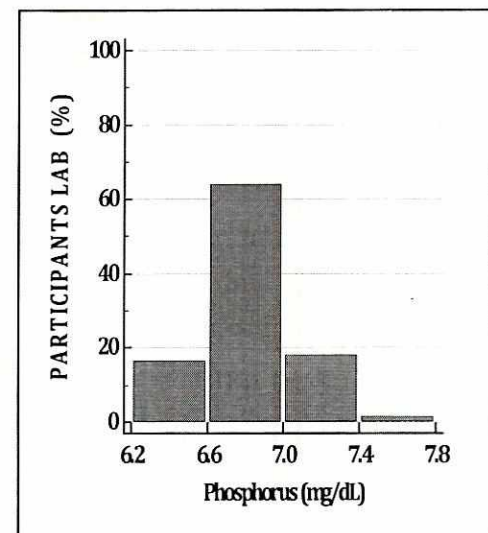
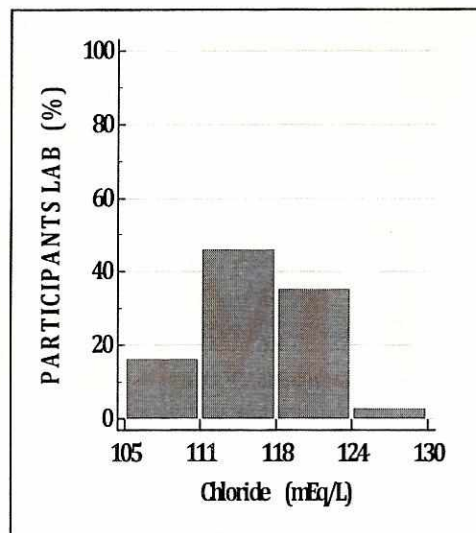
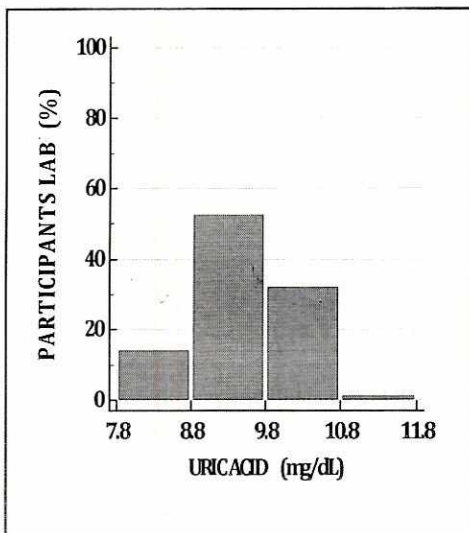
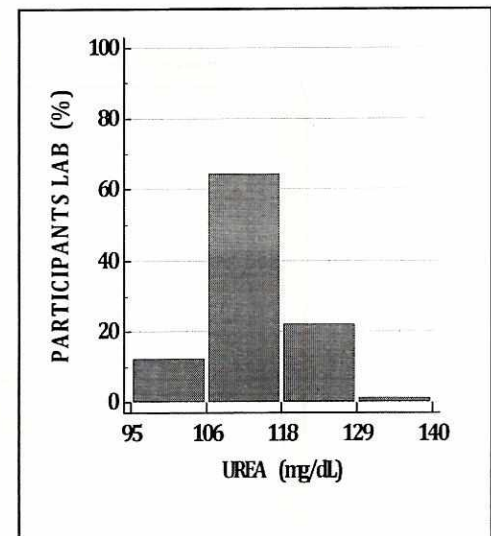
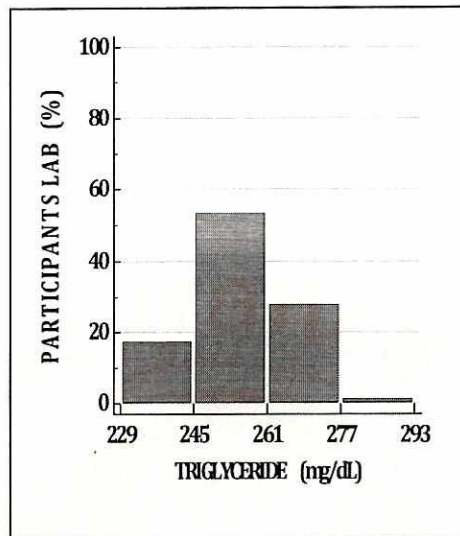
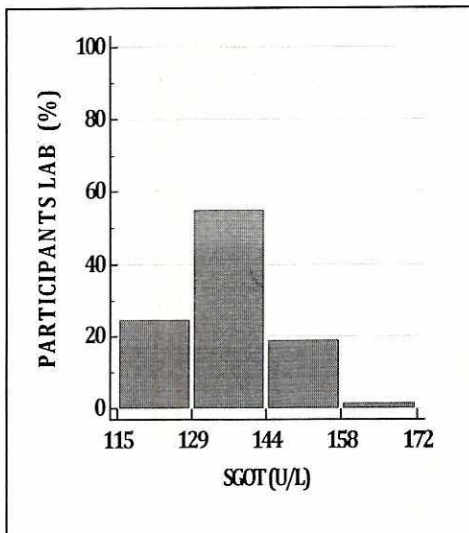


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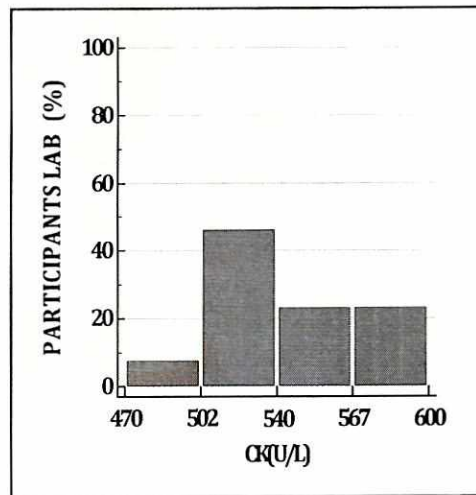
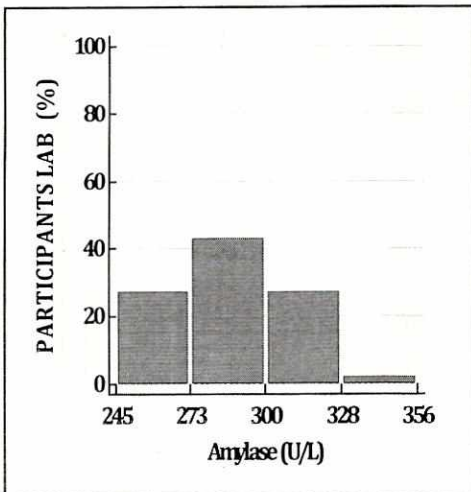
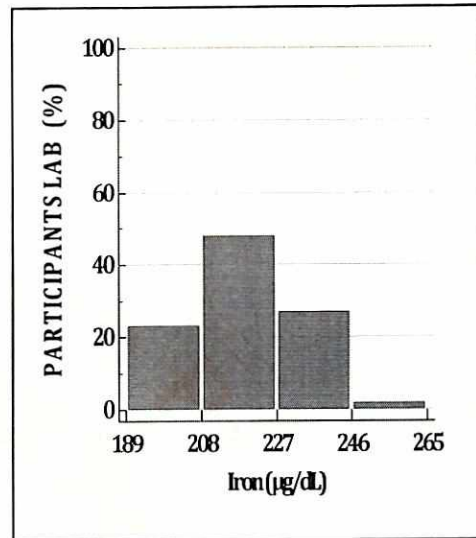
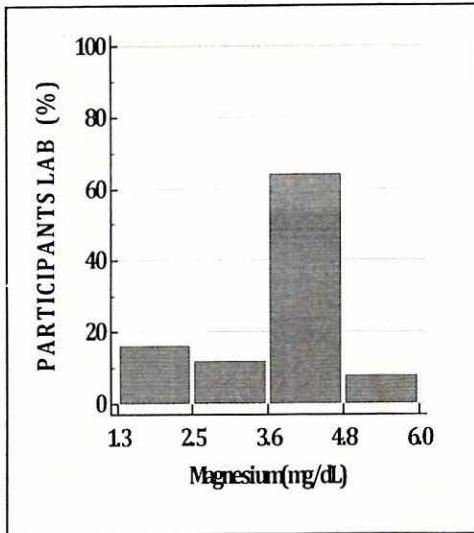


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-3

Date: 31/03/2023



RML- Quality Assurance Program (RML-QAP)



Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -3

Date: 31/03/2023

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	117	90	4	82	4	4
Alkaline Phosphatase	117	89	2	83	4	2
Bilirubin Total	117	90	8	79	3	8
Calcium(Total)	117	84	5	75	4	5
Cholesterol (Total)	117	89	5	76	8	5
Creatinine	117	90	10	74	6	10
Glucose	117	89	8	76	5	8
HDL	117	85	0	82	3	0
Potassium	117	83	3	79	1	3
Protein (Total)	117	89	5	80	4	5
Sodium	117	83	4	74	5	4
SGPT/ALT	117	90	7	72	11	7
SGOT/AST	117	89	20	64	5	20
Triglyceride	117	88	10	71	7	10
Urea	117	89	8	77	4	8
Uric Acid	117	89	11	76	2	11
Chloride mEq/L	117	80	3	70	7	3
Phosphorus mg/dL	117	75	12	62	1	12
Magnesium mg/dl	117	26	2	22	2	2
Iron µg/dL	117	66	12	52	2	12
Amylase U/L	117	54	10	44	0	10
CK U/L	117	22	8	13	1	8

****End of Report****

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