



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Cycle - 13/2024

Round No - 03

Lab Code: 3221

Date: 30.03.2024

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	77	2.9	0.2	0.03	2.5-3.4	3.0	0.4
Alkaline Phosphatase	U/L	74	337.4	42.9	6.23	251.7-423.2	416	1.8
Bilirubin (Total)	mg/dL	77	5.1	0.5	0.07	4.1-6.1	5.3	0.4
Calcium (Total)	mg/dL	69	12.6	0.7	0.10	11.3-14.0	13.2	0.9
Cholesterol (Total)	mg/dL	76	276.8	17.1	2.46	242.5-311.0	260	-1.0
Creatinine	mg/dL	77	4.4	0.3	0.04	3.8-5.0	4.3	-0.3
Glucose	mg/dL	77	271.6	16.5	2.36	238.5-304.7	270	-0.1
HDL	mg/dL	70	98.8	17.2	2.57	64.4-133.2	77.1	-1.3
Potassium	mEq/L	58	5.8	0.3	0.05	5.2-6.4	6.1	1.1
Protein (Total)	g/dl	75	4.6	0.4	0.05	3.9-5.4	4.1	-1.5
Sodium	mEq/L	59	155.0	4.6	0.75	145.7-164.3	156	0.2
SGPT/ALT	U/L	77	137.5	13.8	1.97	109.9-165.1	127	-0.8
SGOT/AST	U/L	75	142.2	11.3	1.64	119.6-164.9	150	0.7
Triglyceride	mg/dL	76	252.0	14.8	2.12	222.4-281.6	250	-0.1
Urea	mg/dL	77	118.7	7.7	1.09	103.4-134.0	114	-0.6
Uric Acid	mg/dl	75	9.4	0.6	0.08	8.2-10.6	9.5	0.1
Chloride	mEq/L	58	113.3	4.5	0.73	104.4-122.2	118	1.1
Phosphorus	mg/dL	47	7.0	0.5	0.09	6.1-8.0	6.6	-0.9
Magnesium	mg/dl	24	4.6	0.1	0.04	4.3-4.9	*3.22	-9.0
Iron	µg/dL	39	217.0	10.3	2.06	196.4-237.6	*287	6.8
Amylase	U/L	36	279.8	29.9	6.24	219.9-339.7	316	1.2
CK	U/L	20	488.2	20.8	5.83	446.5-529.9	469	-0.9

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	(S)Reported in other Unit
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: SV

Programme Director

Dr.Bandana Mehrotra

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Doc. No.: ASS / FR / 03A / R 01 / Dt.: 05.01.2022



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PC 1001

RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

METHOD WISE REPORT

Cycle - 13/2024

Round No - 3

Date: 30/03/2024

Lab Code: 3221

Note: @ Parameter is not the part of this Method Group

Parameters	Units	Method Group	No.of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Methodwise Z Score
Albumin	g/dL	Bromocresol Green (BCG)	47	2.9	0.2	0.03	2.5-3.2	3.0	0.8
Alkaline Phosphatase	U/L	PNPP	49	332.6	32.1	5.73	268.4-396.7	416	2.6
Bilirubin Total	mg/dL	Diazonium Ion	41	5.2	0.4	0.07	4.5-5.9	5.3	0.3
Calcium(Total)	mg/dL	Arsenazo iii	36	12.8	0.7	0.14	11.5-14.1	13.2	0.6
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	55	276.4	15.8	2.67	244.7-308.1	260	-1.0
Creatinine	mg/dL	Alkaline picrate	47	4.4	0.4	0.07	3.6-5.1	4.3	-0.2
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	35	270.6	15.8	3.35	238.9-302.3	270	0.0
HDL @	mg/dL	Direct measure	44	97.7	12.5	2.36	72.6-122.7	-	-
Potassium	mEq/L	ISE Direct	29	5.7	0.3	0.07	5.1-6.4	6.1	1.1
Protein (Total)	g/dl	Biuret, reagent blank, end point	53	4.6	0.3	0.06	3.9-5.3	4.1	-1.4
Sodium	mEq/L	ISE Direct	27	155.0	4.7	1.12	145.7-164.3	156	0.2
SGPT/ALT	U/L	UV Kinetic Enzymatic with or without P5P	54	140.7	13.7	2.34	113.2-168.2	127	-1.0
SGOT/AST	U/L	UV Kinetic Enzymatic with or without P5P	53	142.7	11.8	2.02	119.2-166.2	150	0.6
Triglyceride	mg/dL	Enzymatic method	53	251.6	14.4	2.47	222.7-280.4	250	-0.1
Urea	mg/dL	Urease	54	118.5	8.8	1.49	100.9-136.0	114	-0.5
Uric Acid	mg/dl	Uricase	54	9.4	0.5	0.09	8.3-10.5	9.5	0.1
Chloride	mEq/L	ISE Direct	29	113.4	4.1	0.96	105.2-121.7	118	1.1
Phosphorus	mg/dL	Phosphomolybdate method	27	7.1	0.6	0.14	5.9-8.3	6.6	-0.8
Magnesium	mg/dl	Xylidyl blue	14	4.4	0.5	0.16	3.4-5.4	3.22	-2.4
Iron @	µg/dL	Ferrozine	20	214.9	14.6	4.09	185.6-244.1	-	-

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

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

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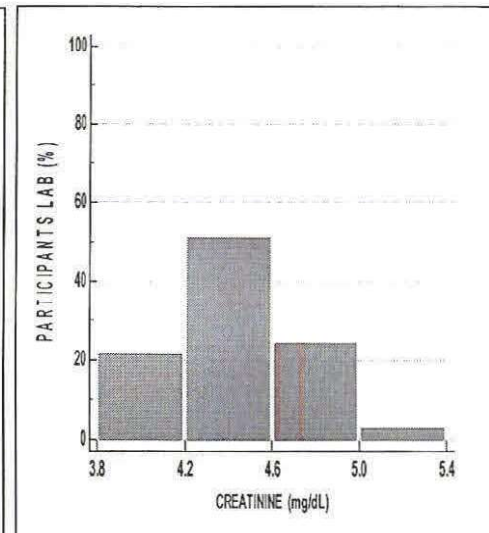
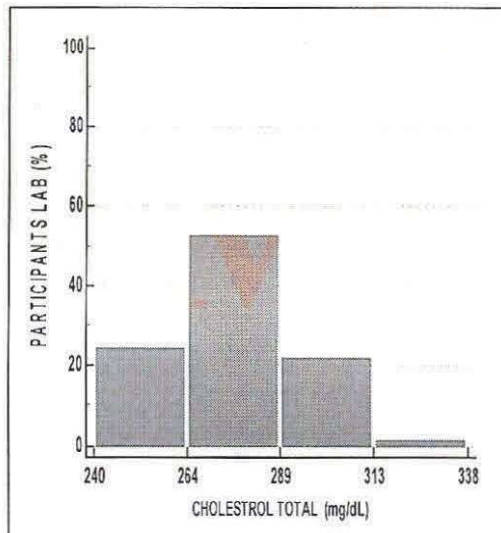
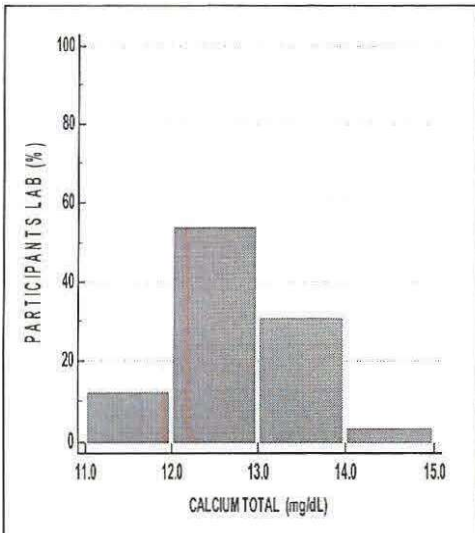
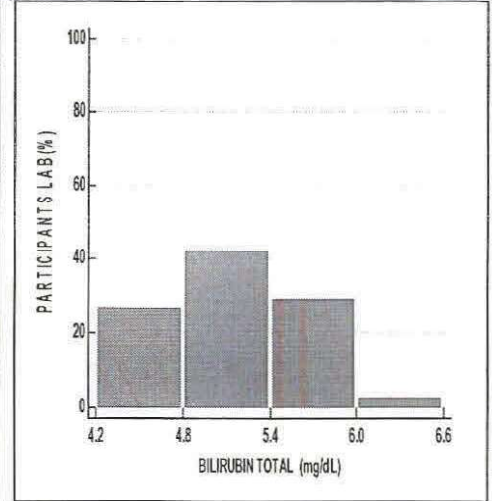
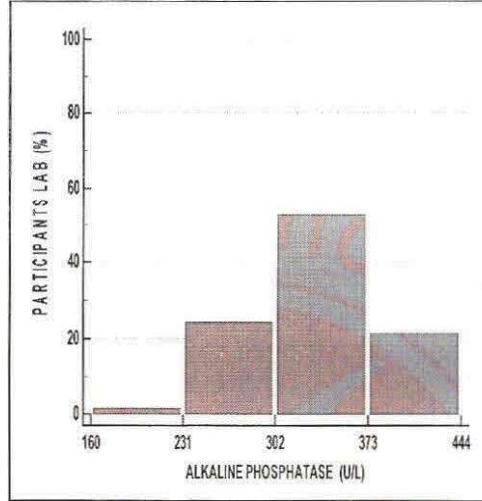
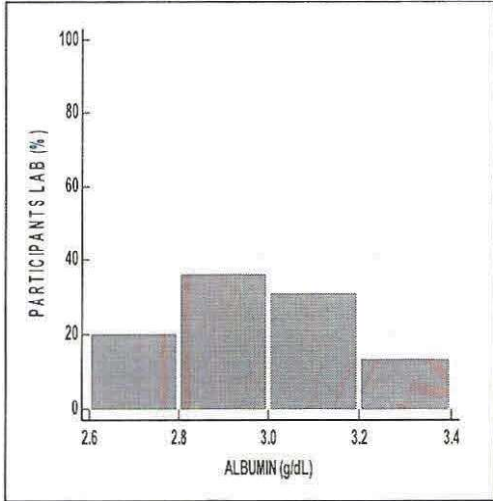


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 13/2024
Round-3

Date: 30/03/2024



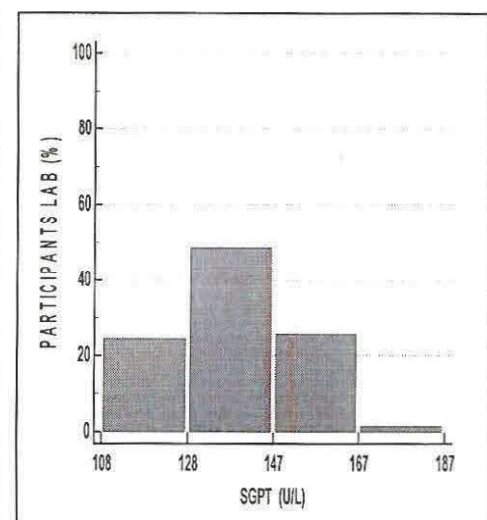
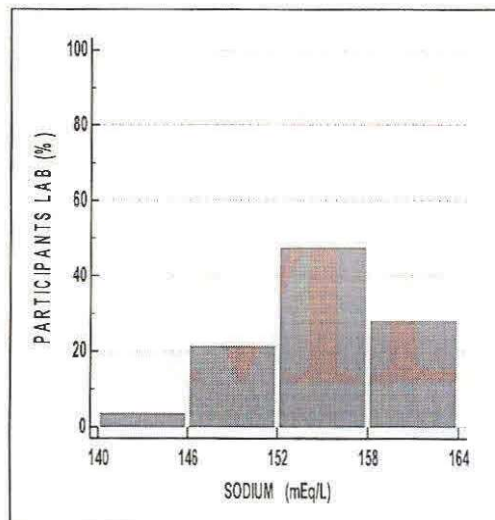
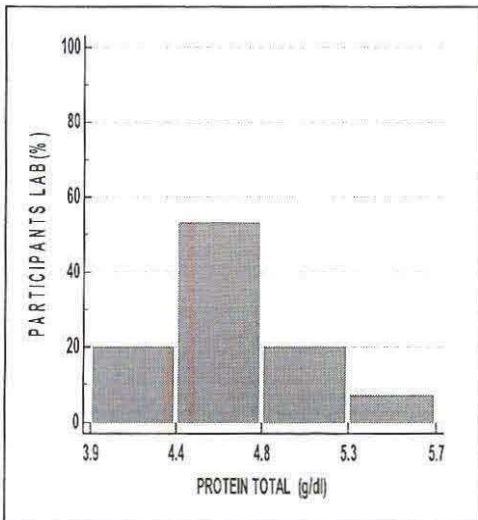
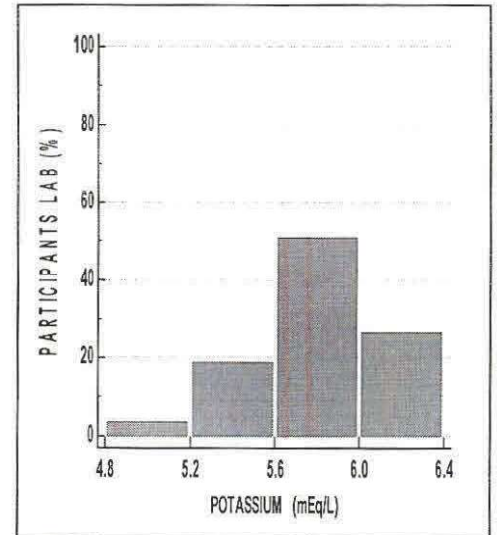
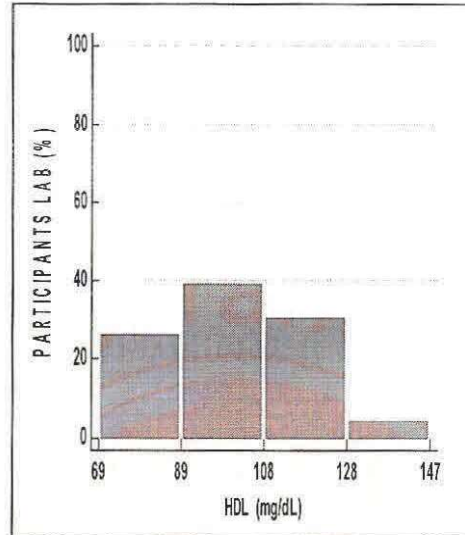
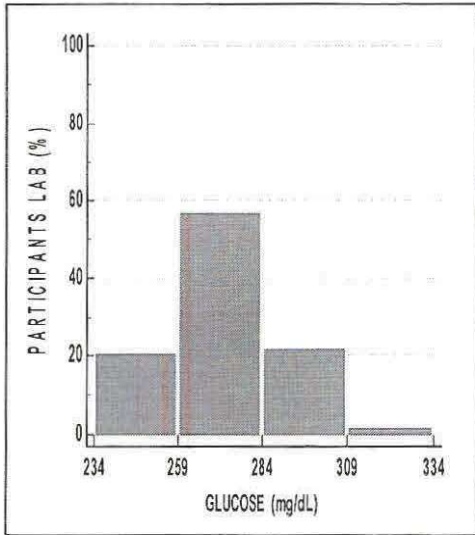


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 13/2024
Round-3

Date: 30/03/2024



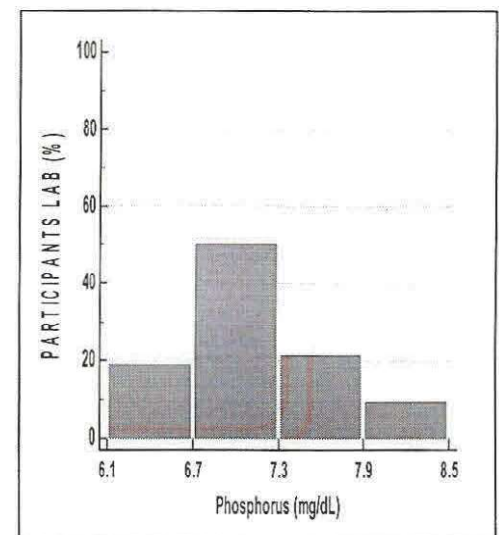
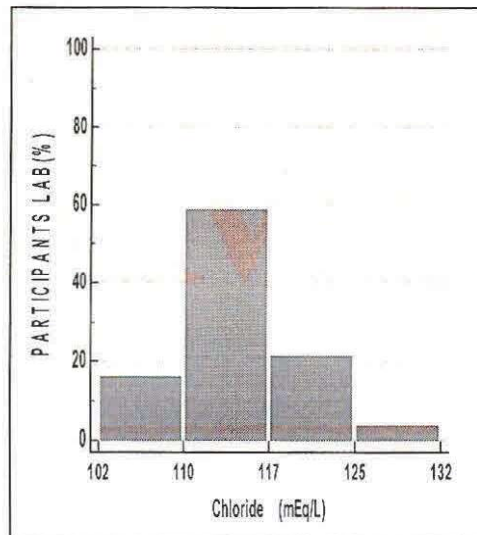
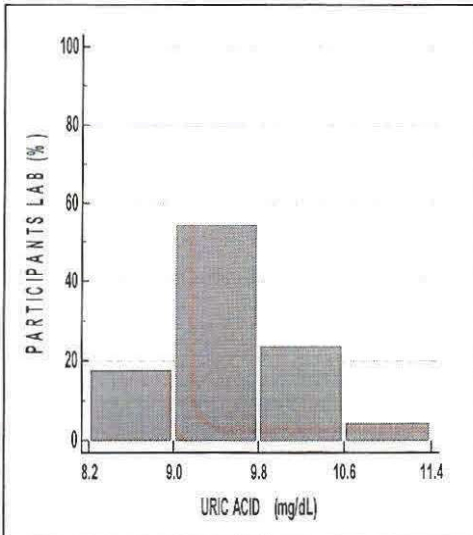
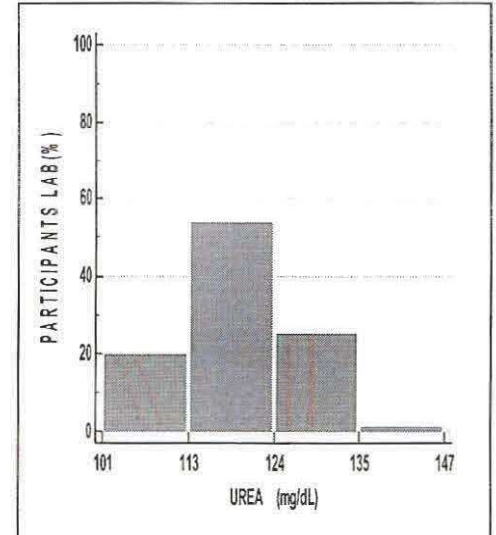
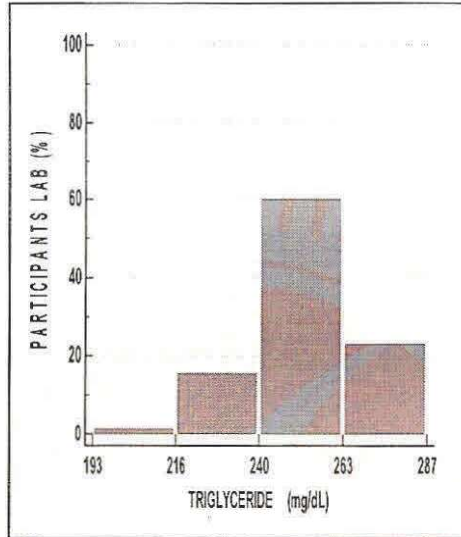
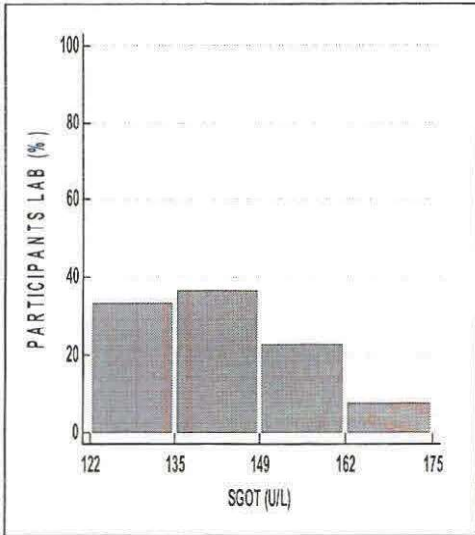


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GRAPHICAL REPORT

Cycle - 13/2024
Round-3

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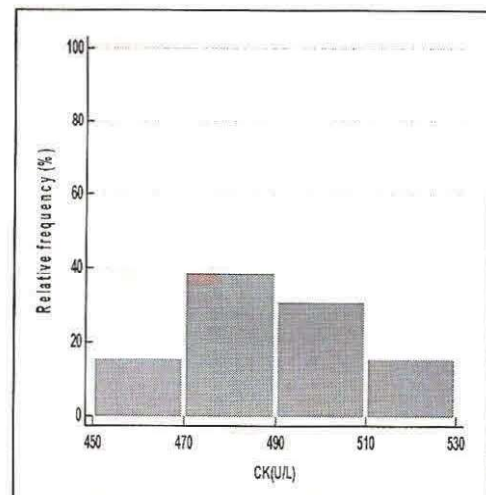
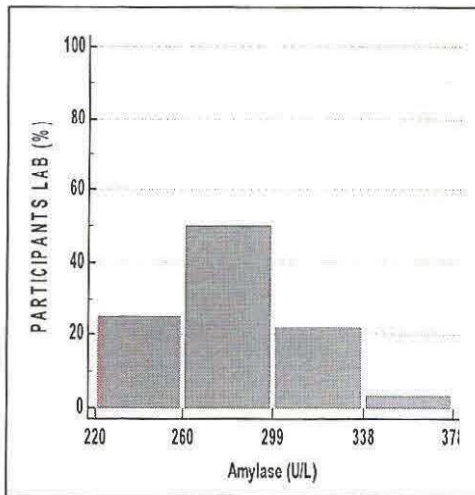
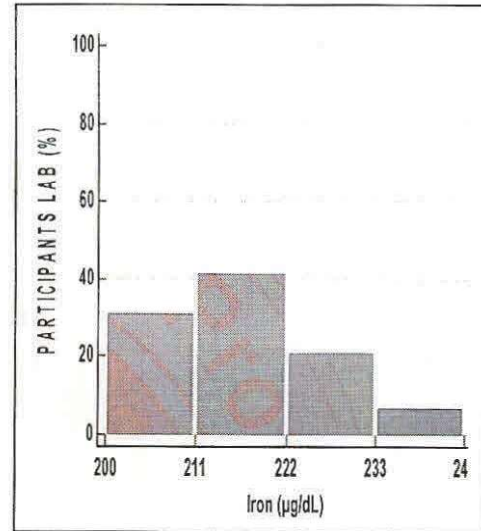
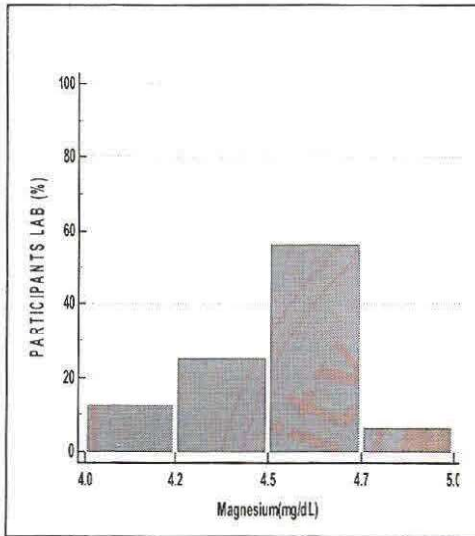


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 13/2024
Round-3

Date: 30/03/2024





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Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 13/2024

Round No - 3

Date: 30/03/2024

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	109	77	1	75	1	1
Alkaline Phosphatase	109	74	4	69	1	4
Bilirubin Total	109	77	1	75	1	1
Calcium(Total)	109	69	4	62	3	4
Cholesterol (Total)	109	76	2	71	3	2
Creatinine	109	77	6	68	3	6
Glucose	109	77	2	70	5	2
HDL	109	70	1	68	1	1
Potassium	109	58	5	51	2	5
Protein (Total)	109	75	5	65	5	5
Sodium	109	59	2	55	2	2
SGPT/ALT	109	77	3	71	3	3
SGOT/AST	109	75	5	64	6	5
Triglyceride	109	76	6	66	4	6
Urea	109	77	1	73	3	1
Uric Acid	109	75	6	66	3	6
Chloride mEq/L	109	58	2	50	6	2
Phosphorus mg/dL	109	47	5	40	2	5
Magnesium mg/dl	109	24	9	14	1	9
Iron µg/dL	109	39	11	27	1	11
Amylase U/L	109	36	4	31	1	4
CK U/L	109	20	6	13	1	6

****End of Report****

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