



BIO-CHEMISTRY-02

ALL METHOD REPORT

Cycle - 12/2023

Round No - 2

Lab Code: 2747

Date: 15/03/2023

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	71	4.3	0.1	0.01	4.1-4.5	4.3	0.3
Alkaline Phosphatase	U/L	70	171.0	22.5	3.37	125.9-216.1	219	2.1
Bilirubin Total	mg/dL	71	1.5	0.1	0.02	1.2-1.8	1.6	0.6
Calcium(Total)	mg/dL	67	8.9	0.4	0.06	8.0-9.7	8.2	-1.5
Cholesterol (Total)	mg/dL	70	150.8	7.2	1.08	136.3-165.2	149	-0.2
Creatinine	mg/dL	71	1.5	0.1	0.02	1.3-1.7	1.5	0.1
Glucose	mg/dL	70	104.4	6.8	1.01	90.9-117.9	113	1.3
HDL	mg/dL	67	49.7	4.8	0.73	40.2-59.2	46.0	-0.8
Potassium	mEq/L	66	4.0	0.2	0.03	3.7-4.4	3.9	-0.7
Protein (Total)	g/dl	71	5.8	0.2	0.03	5.3-6.2	6.0	1.2
Sodium	mEq/L	66	140.4	3.5	0.53	133.5-147.4	141	0.2
SGPT/ALT	U/L	71	31.5	2.7	0.40	26.1-36.9	36	1.7
SGOT/AST	U/L	71	30.8	2.4	0.35	26.1-35.5	29	-0.8
Triglyceride	mg/dL	69	99.1	7.9	1.18	83.3-114.8	99	0.0
Urea	mg/dL	71	43.0	3.2	0.48	36.6-49.5	40	-0.9
Uric Acid	mg/dl	70	5.9	0.4	0.06	5.0-6.7	7.0	2.6
Chloride	mEq/L	66	99.3	3.7	0.56	92.0-106.6	99	-0.1
Phosphorus	mg/dL	62	4.5	0.2	0.03	4.2-4.9	4.3	-1.2
Magnesium	mg/dl	25	2.3	0.1	0.03	2.1-2.5	*1.86	-3.7
Iron	µg/dL	50	116.5	11.7	2.06	93.2-139.8	116	0.0
Amylase	U/L	44	84.3	7.9	1.48	68.5-100.0	75	-1.2
CK	U/L	20	173.7	21.6	6.05	130.4-216.9	.	-

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: SS

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



BIO-CHEMISTRY-02

METHOD WISE REPORT

Cycle - 12/2023

Round No - 02

Date: 15/03/2023

Lab Code: 2747

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	Bromocresol Green (BCG)	52	4.3	0.1	0.02	4.0-4.6	4.3	0.0
Alkaline Phosphatase	U/L	PNPP	51	171.1	23.7	4.15	123.7-218.5	219	2.0
Bilirubin Total	mg/dL	Diazonium Ion	50	1.5	0.1	0.02	1.3-1.7	1.6	1.0
Calcium(Total)	mg/dL	Arsenazo iii	40	8.9	0.4	0.08	8.0-9.8	8.2	-1.8
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	52	150.9	7.1	1.23	136.7-165.2	149	-0.3
Creatinine	mg/dL	Alkaline picrate	47	1.5	0.1	0.02	1.3-1.6	1.5	0.0
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	35	108.4	6	1.27	96.5-120.3	113	0.8
HDL	mg/dL	Direct measure	37	48	6.7	1.38	34.6-61.5	46.0	-0.3
Potassium	mEq/L	ISE Direct	33	3.9	0.2	0.04	3.6-4.2	3.9	0.0
Protein (Total)	g/dl	Biuret, reagent blank, end point	32	5.7	0.3	0.07	5.1-6.4	6.0	1.0
Sodium	mEq/L	ISE Direct	34	140.5	3.7	0.79	133.2-147.9	141	0.1
SGPT/ALT	U/L	UV without P5P	41	31.1	3.3	0.64	24.6-37.6	36	1.5
SGOT/AST	U/L	UV without P5P	40	30.7	2.3	0.45	26.1-35.2	29	-0.7
Triglyceride	mg/dL	Enzymatic method	38	99.8	8.3	1.68	83.2-116.5	99	-0.1
Urea	mg/dL	Urease	45	43.2	3.3	0.61	36.6-49.9	40	-1.0
Uric Acid	mg/dl	Uricase	43	5.9	0.4	0.08	5.0-6.7	7.0	2.8
Chloride	mEq/L	ISE Indirect	34	98.1	3.7	0.79	90.8-105.4	99	0.2
Phosphorus	mg/dL	Phosphomolybdate method	44	4.48	0.2	0.04	4.2-4.8	4.3	-0.9
Magnesium @	mg/dl	Uricase Colorimetic	9	2.3	0.4	0.17	1.5-3.1	-	-
Iron	μ g/dL	Ferene	26	119.6	12.6	3.09	94.4-144.8	116	-0.3
Amylase @	U/L	Uricase Colorimetic	19	86	6.6	1.89	72.9-99.2	-	-

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

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

Checked By:

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Prepared by: PS

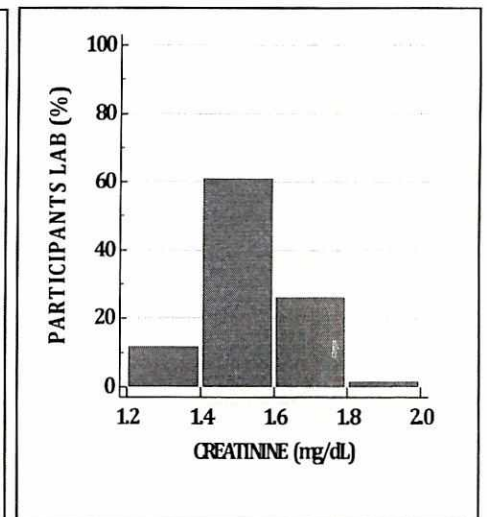
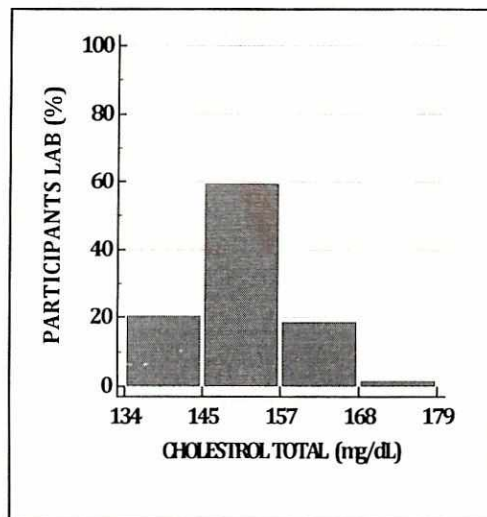
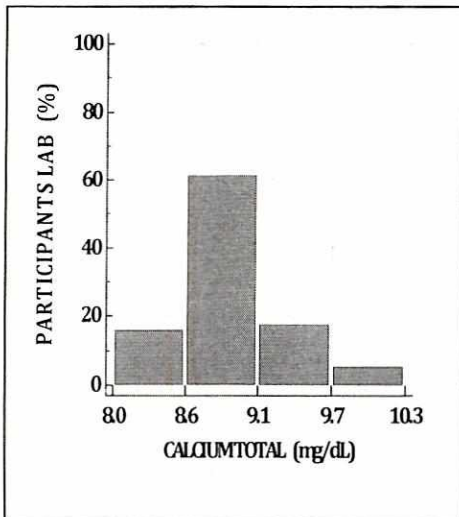
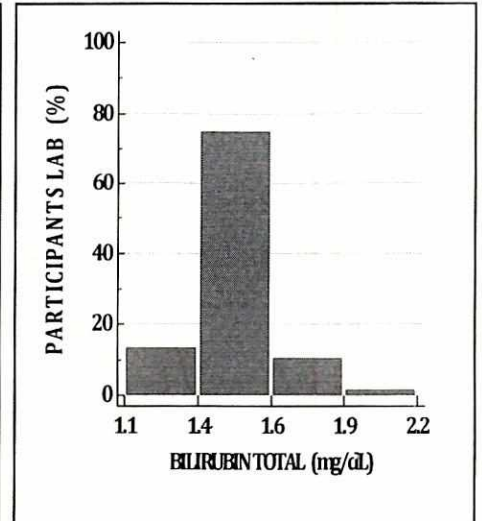
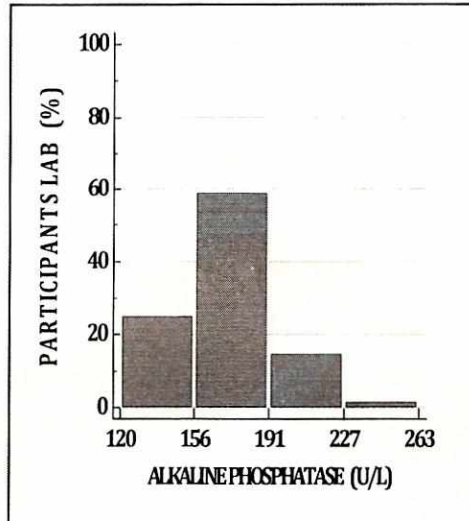
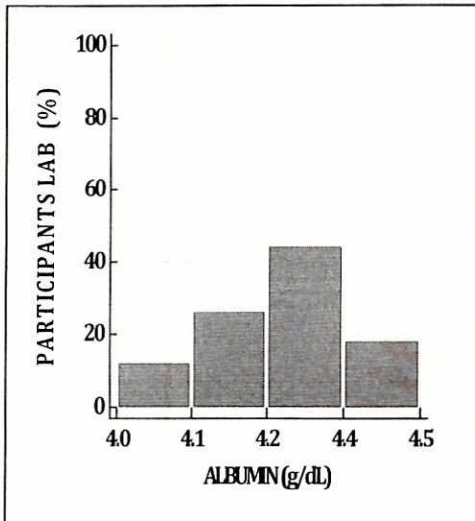
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EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-2

Date: 15/03/2023

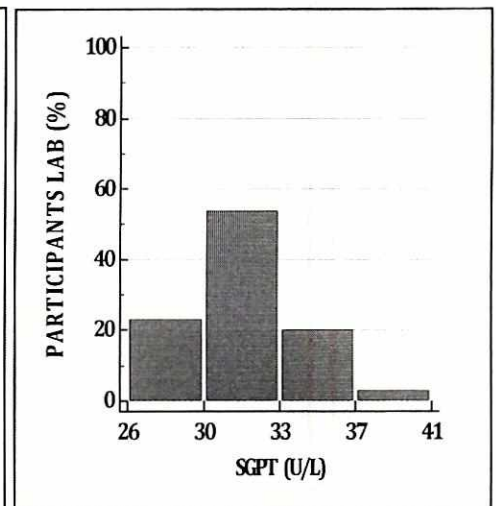
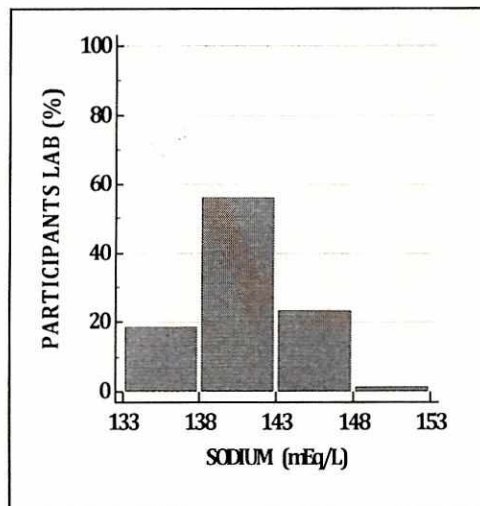
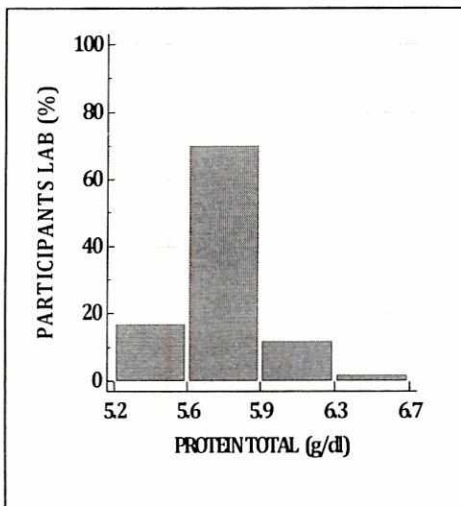
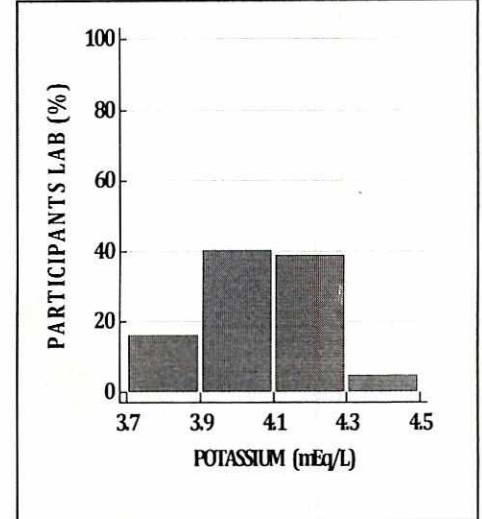
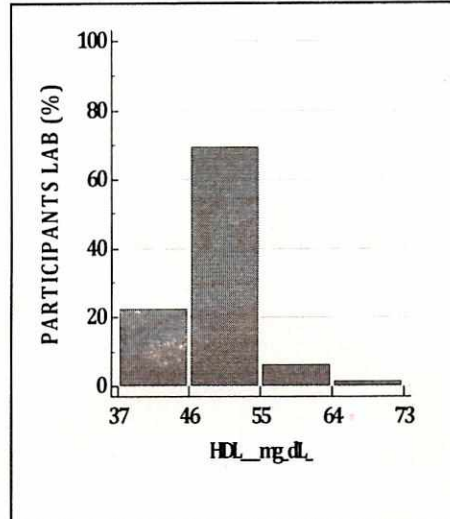
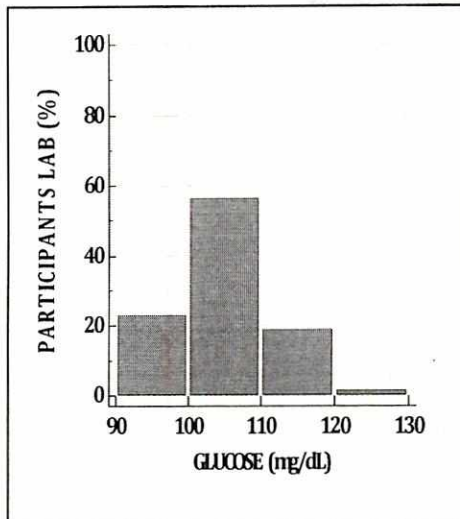


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-2

Date: 15/03/2023

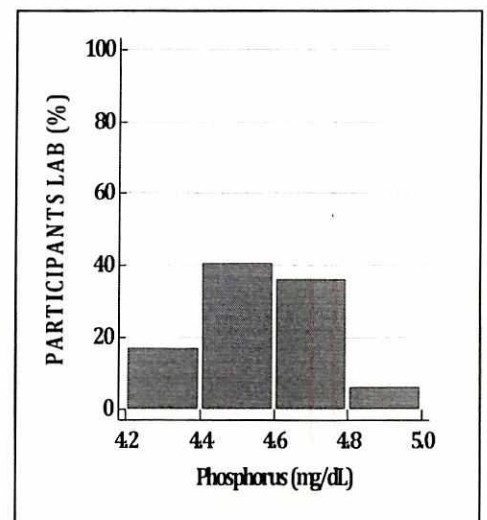
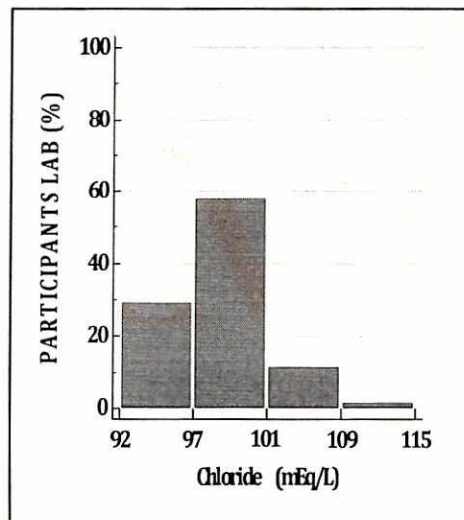
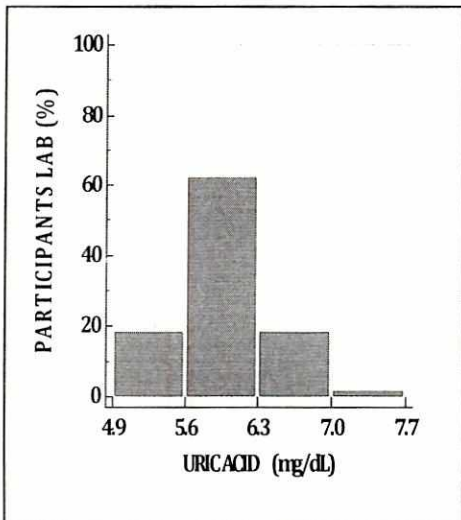
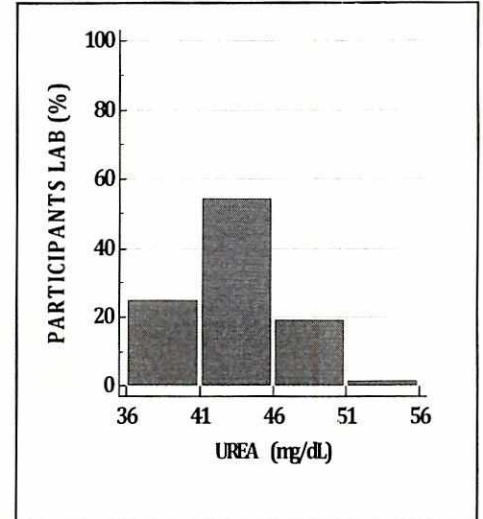
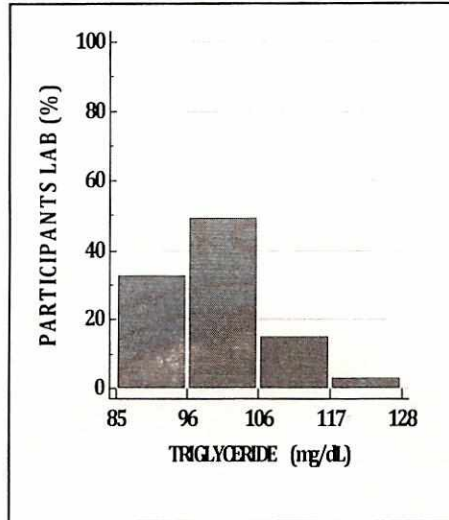
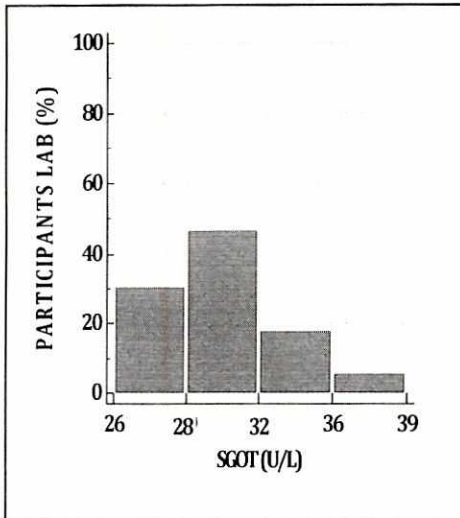


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-2

Date: 15/03/2023



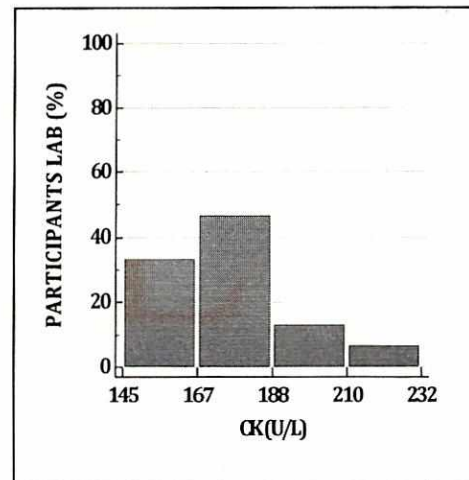
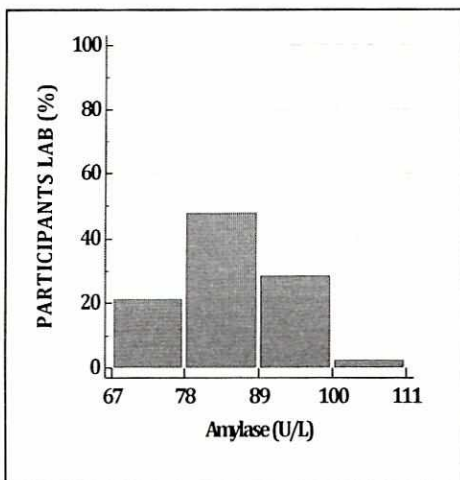
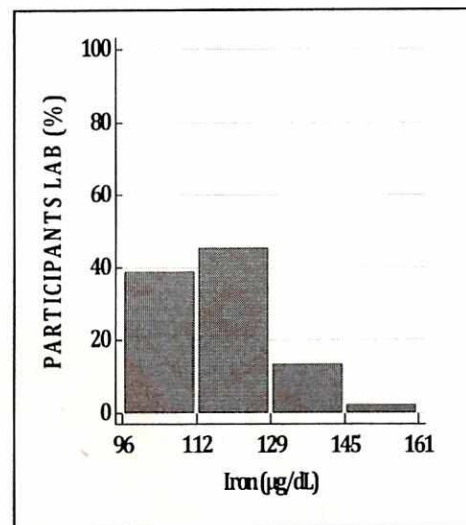
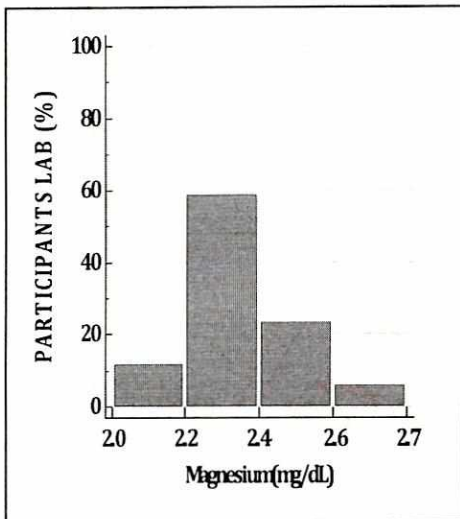


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-2

Date: 15/03/2023



Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -2

Date: 15/03/2023

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	100	71	12	50	9	12
Alkaline Phosphatase	100	70	2	62	6	2
Bilirubin Total	100	71	4	62	5	4
Calcium(Total)	100	67	7	55	5	7
Cholesterol (Total)	100	70	4	61	5	4
Creatinine	100	71	2	65	4	2
Glucose	100	70	1	66	3	1
HDL	100	67	5	56	6	5
Potassium	100	66	1	62	3	1
Protein (Total)	100	71	11	55	5	11
Sodium	100	66	3	61	2	3
SGPT/ALT	100	71	7	63	1	7
SGOT/AST	100	71	13	54	4	13
Triglyceride	100	69	1	65	3	1
Urea	100	71	3	67	1	3
Uric Acid	100	70	3	60	7	3
Chloride mEq/L	100	66	4	59	3	4
Phosphorus mg/dL	100	62	9	47	6	9
Magnesium mg/dl	100	25	7	17	1	7
Iron µg/dL	100	50	6	42	2	6
Amylase U/L	100	44	2	41	1	2
CK U/L	100	20	5	15	0	5

****End of Report****

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