



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-01

ALL METHOD REPORT

Cycle - 12/2023
Round No - 01

Lab Code:2846

Date: 28/02/2023

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	154	2.9	0.2	0.02	2.5-3.4	2.8	-0.6
Alkaline Phosphatase	U/L	151	299.2	33.3	3.39	232.6-365.8	293	-0.2
Bilirubin Total	mg/dL	157	5.2	0.6	0.06	4.1-6.4	5.8	1.0
Calcium(Total)	mg/dL	141	12.7	0.7	0.07	11.3-14.0	12.4	-0.4
Cholesterol (Total)	mg/dL	151	263.1	11.8	1.20	239.4-286.8	272	0.8
Creatinine	mg/dL	159	4.1	0.4	0.04	3.3-4.8	4.5	1.1
Glucose	mg/dL	160	269.0	15.1	1.49	238.8-299.2	289	1.3
HDL	mg/dL	143	71.1	16.6	1.73	37.9-104.2	66.2	-0.3
Potassium	mEq/L	135	5.7	0.3	0.03	5.2-6.2	5.7	0.0
Protein (Total)	g/dl	153	4.6	0.4	0.04	3.9-5.3	4.5	-0.2
Sodium	mEq/L	135	154.9	4.8	0.51	145.4-164.4	153	-0.4
SGPT/ALT	U/L	157	136.1	11.0	1.10	114.1-158.2	146	0.9
SGOT/AST	U/L	157	136.7	8.5	0.85	119.7-153.7	144	0.9
Triglyceride	mg/dL	149	252.2	14.6	1.50	223.0-281.5	246	-0.4
Urea	mg/dL	159	114.7	9.2	0.91	96.3-133.0	121	0.7
Uric Acid	mg/dl	154	9.4	0.8	0.08	7.9-10.9	9.1	-0.4

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: NT

Programme Director

Dr.Bandana Mehrotra

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BIO-CHEMISTRY-01

METHOD WISE REPORT

Cycle - 12/2023

Round No - 01

Date: 28/02/2023

Lab Code: 2846

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

Parameters	Units	Method Group	No.of. Participants in Group	Method Wise Robust Mean	Method Wise Robust Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range (± 2 SD)	Your Value	Method Wise Score Z
Albumin	g/dL	Bromcresal Green (BCG)	97	3.0	0.2	0.03	2.7-3.3	2.8	-1.0
Alkaline Phosphatase	U/L	PNPP	56	322.8	51.4	8.59	220.1-425.5	293	-0.6
Bilirubin Total @	mg/dL	Diazonium Ion	44	5.4	0.5	0.09	4.4-6.4	-	-
Calcium(Total)	mg/dL	Arsenazo iii	66	12.8	0.6	0.09	11.5-14.0	12.4	-0.7
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	64	262.0	10.6	1.66	240.8-283.2	272	0.9
Creatinine	mg/dL	Alkaline picrate	36	4.1	0.4	0.08	3.2-5.0	4.5	1.0
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	40	263.4	16.6	3.28	230.1-296.6	289	1.5
HDL	mg/dL	Direct measure	26	76.8	23.6	5.79	29.6-124.0	66.2	-0.4
Potassium	mEq/L	ISE Direct	78	5.7	0.2	0.03	5.3-6.1	5.7	0.0
Protein (Total)	g/dl	Biuret	40	4.6	0.3	0.06	3.9-5.2	4.5	-0.3
Sodium	mEq/L	ISE Direct	74	155.6	3.7	0.54	148.1-163.0	153	-0.7
SGPT/ALT	U/L	UV without P5P	46	136.1	12.4	2.29	111.2-161.0	146	0.8
SGOT/AST	U/L	UV without P5P	45	135.9	8.6	1.60	118.6-153.2	144	0.9
Triglyceride	mg/dL	Enzymatic	37	253.2	12.6	2.59	228.0-278.4	246	-0.6
Urea	mg/dL	Urease	44	114.1	8.5	1.60	97.1-131.2	121	0.8
Uric Acid	mg/dl	Uricase	52	9.5	0.7	0.12	8.0-10.9	9.1	-0.6

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

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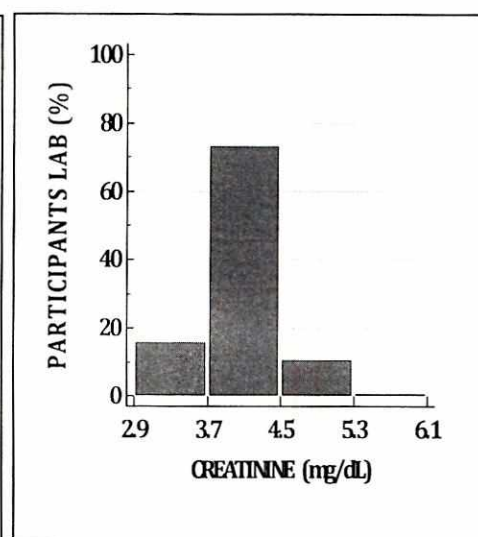
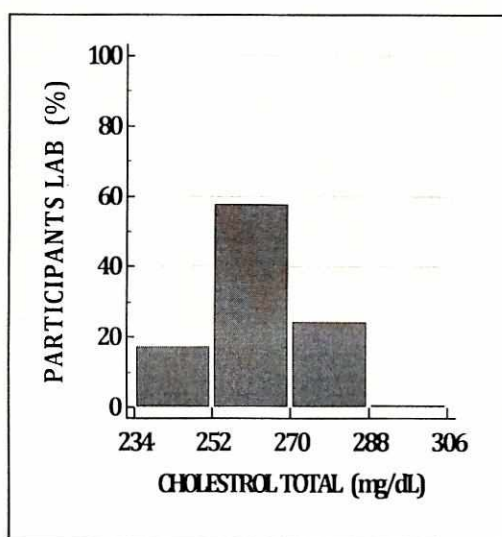
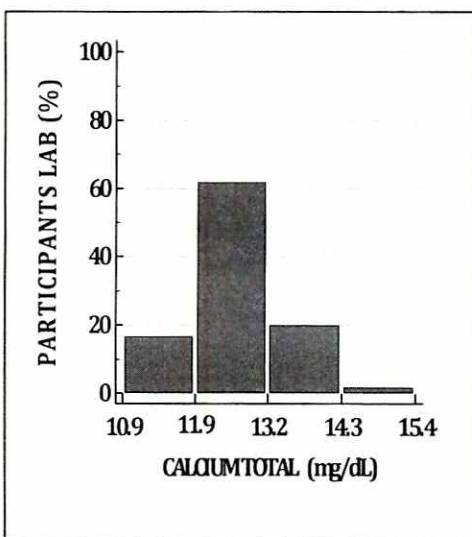
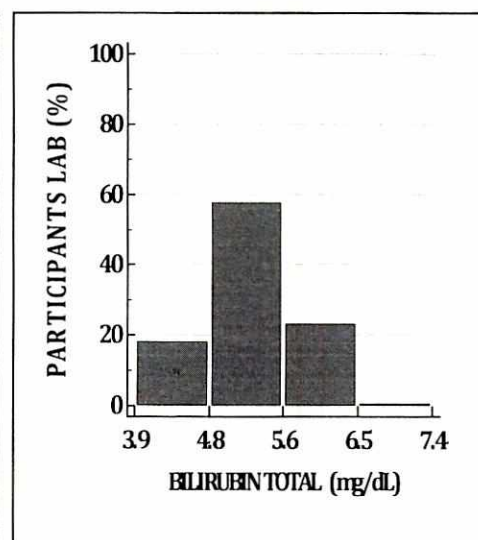
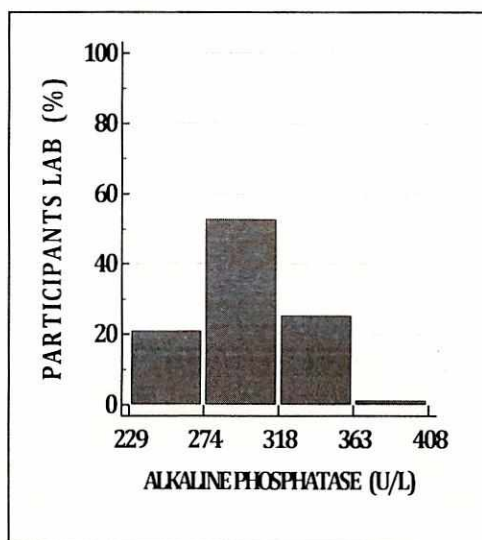
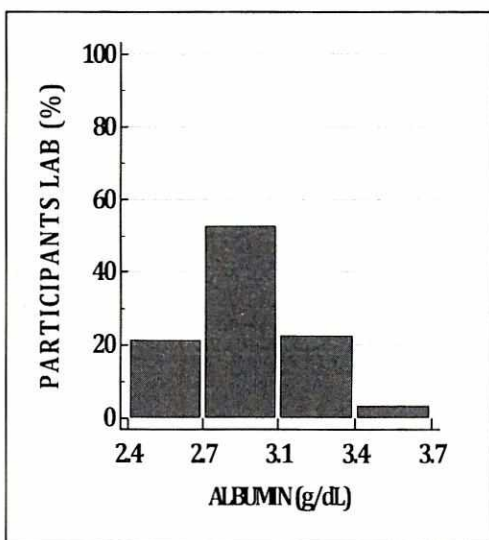
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BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 12/2023
Round-1

Date: 28/02/2023

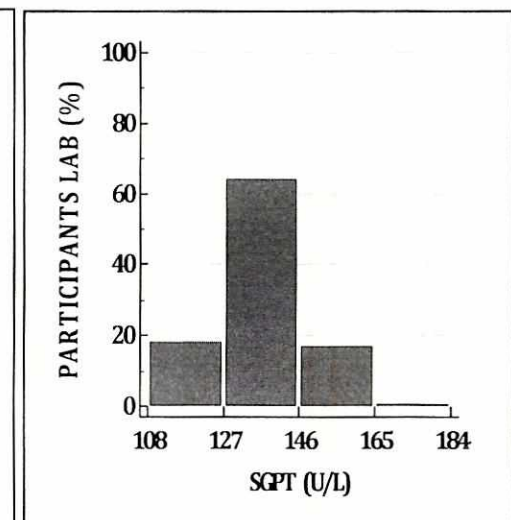
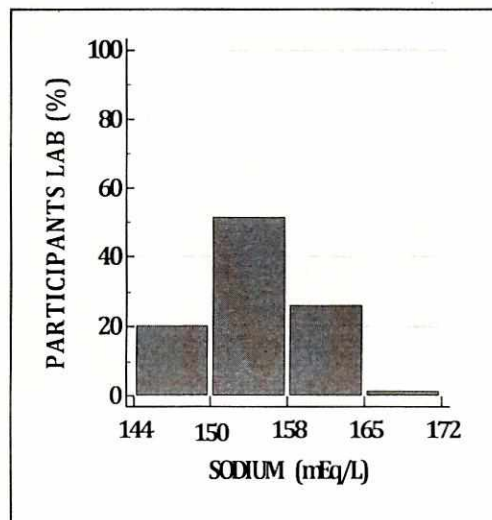
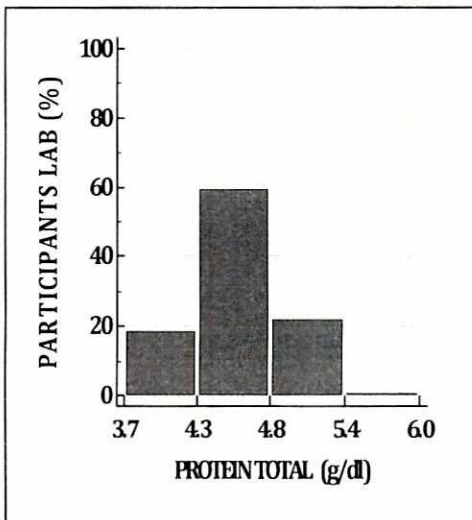
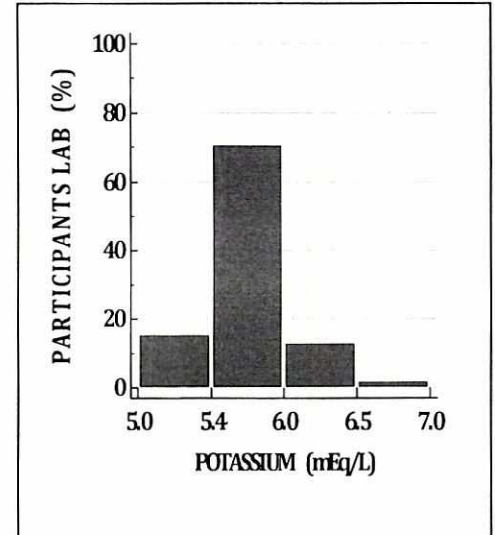
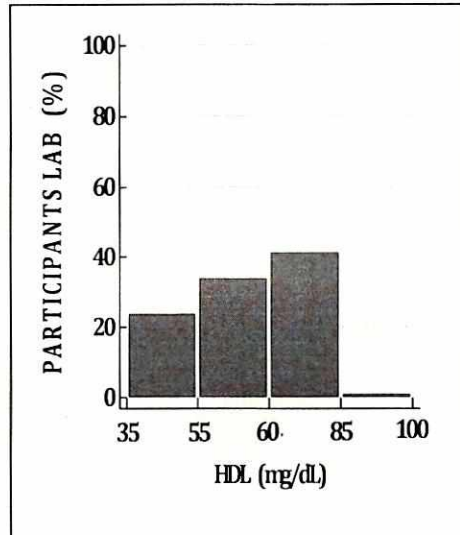
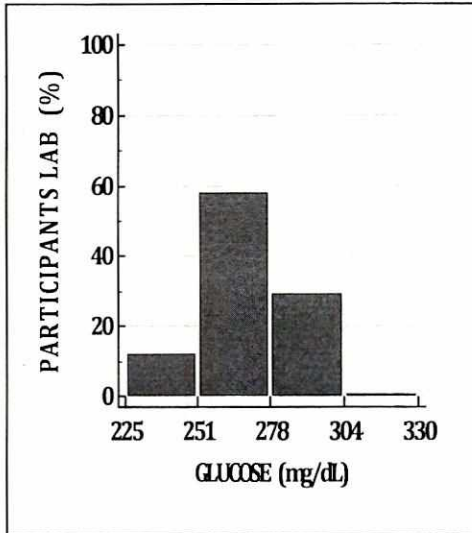


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 12/2023
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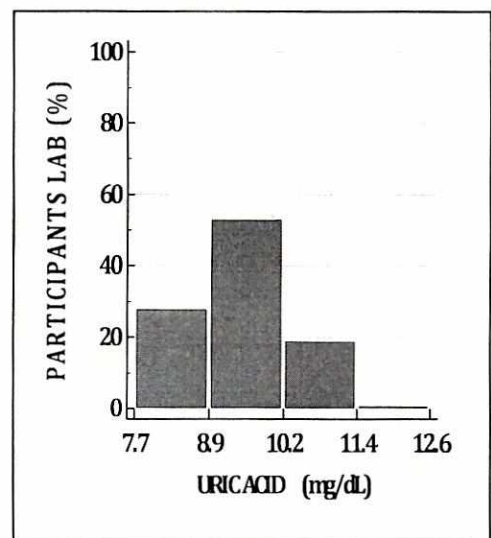
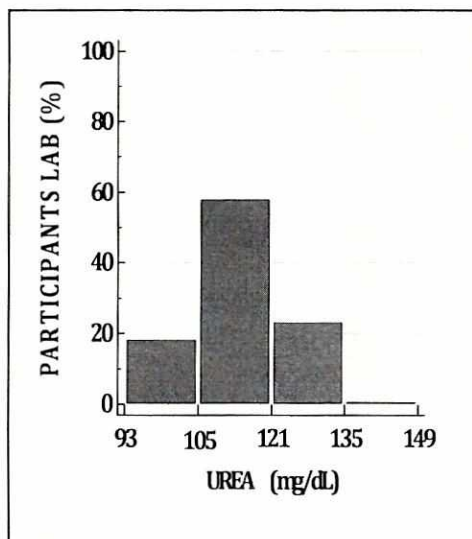
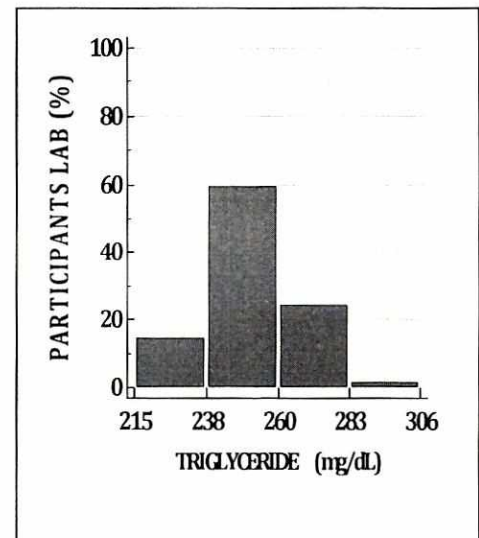
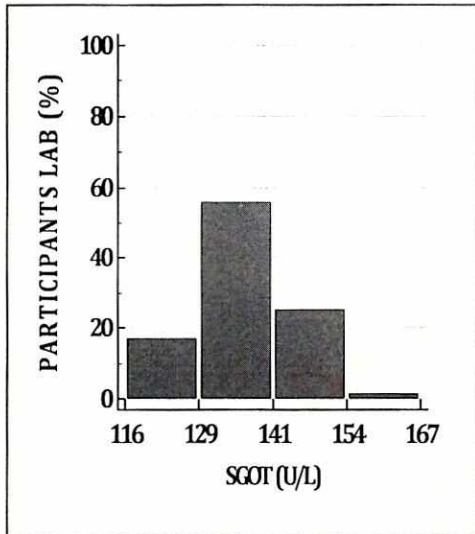


BIO-CHEMISTRY-01

GRAPHICAL REPORT

Cycle - 12/2023
Round-1

Date: 28/02/2023





Basic Biochemistry-01

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -01

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	205	154	7	140	7	7
Alkaline Phosphatase	205	151	33	95	23	33
Bilirubin Total	205	157	11	137	9	11
Calcium(Total)	205	141	25	110	6	25
Cholesterol (Total)	205	151	15	126	10	15
Creatinine	205	159	9	143	7	9
Glucose	205	160	17	134	9	17
HDL	205	143	2	130	11	2
Potassium	205	135	12	117	6	12
Protien (Total)	205	153	6	143	4	6
Sodium	205	135	10	118	7	10
SGPT/ALT	205	157	14	134	9	14
SGOT/AST	205	157	35	116	6	35
Triglyceride	205	149	13	125	11	13
Urea	205	159	13	138	8	13
Uric Acid	205	154	10	138	6	10

****End of Report****

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