



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Lab Code: 2746

Cycle - 12/2023

Round No - 09

Date: 05/10/2023

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	120	2.9	0.2	0.03	2.5-3.3	3.0	0.5
Alkaline Phosphatase	U/L	119	328.3	52.7	6.04	222.9-433.6	332	0.1
Bilirubin (Total)	mg/dL	121	5.1	0.5	0.06	4.1-6.1	5.2	0.2
Calcium (Total)	mg/dL	113	12.4	0.5	0.06	11.3-13.5	12.2	-0.4
Cholesterol (Total)	mg/dL	120	266.6	12.4	1.41	241.9-291.3	273	0.5
Creatinine	mg/dL	120	4.1	0.3	0.04	3.5-4.8	4.1	0.0
Glucose	mg/dL	121	266.3	10.8	1.22	244.8-287.9	270	0.3
HDL	mg/dL	115	84.7	13.6	1.59	57.5-111.9	81.0	-0.3
Potassium	mEq/L	98	5.8	0.3	0.04	5.2-6.3	5.3	-1.6
Protein (Total)	g/dl	119	4.5	0.2	0.02	4.1-4.8	4.6	0.5
Sodium	mEq/L	98	156.2	4.4	0.55	147.5-164.9	155	-0.3
SGPT/ALT	U/L	121	132.0	9.7	1.10	112.5-151.5	130	-0.2
SGOT/AST	U/L	120	135.7	7.8	0.89	120.1-151.2	125	-1.4
Triglyceride	mg/dL	118	251.8	11.1	1.28	229.7-274.0	247	-0.4
Urea	mg/dL	121	113.0	5.6	0.64	101.8-124.0	115	0.4
Uric Acid	mg/dl	118	9.4	0.7	0.08	8.1-10.8	9.8	0.6
Chloride	mEq/L	93	115.9	4.1	0.53	107.7-124.1	115	-0.2
Phosphorus	mg/dL	85	6.8	0.3	0.04	6.3-7.3	6.3	-1.7
Magnesium	mg/dl	23	4.4	0.2	0.06	4.1-4.7	.	-
Iron	µg/dL	74	215.0	13.6	1.98	187.8-242.2	220	0.4
Amylase	U/L	63	283.2	22.8	3.59	237.6-328.7	.	-
CK	U/L	23	472.2	96.3	25.10	279.5-664.9	.	-

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	(\$) 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: R

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



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RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

METHOD WISE REPORT

Lab Code: 2746

Cycle - 12/2023
Round No - 09

Date: 05/10/2023

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

Parameters	Units	Method Group	No.of. Parti- cipants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	Bromcresal Green (BCG)	85	3.0	0.2	0.03	2.6-3.3	3.0	0.0
Alkaline Phosphatase	U/L	PNPP	85	325.5	48.1	6.52	229.3-421.8	332	0.1
Bilirubin Total	mg/dL	Diazonium Ion	75	5.1	0.5	0.07	4.1-6.1	5.2	0.2
Calcium(Total)	mg/dL	Arsenazo iii	64	12.3	0.4	0.06	11.5-13.2	12.2	-0.3
Cholesterol (Total)	mg/dL	Cholestrol Oxidase,esterase, peroxidase	91	266.5	12.7	1.66	241.2-291.8	273	0.5
Creatinine	mg/dL	Alkaline picrate	73	4.1	0.3	0.04	3.4-4.8	4.1	0.0
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	63	270.3	11.3	1.78	247.8-292.9	270	0.0
HDL	mg/dL	Direct measure	49	90.9	9.4	1.68	72.1-109.7	81.0	-1.1
Potassium	mEq/L	ISE Direct	43	5.6	0.3	0.06	5.0-6.2	5.3	-1.0
Protein (Total)	g/dl	Biuret, reagent blank, end point	59	4.5	0.2	0.03	4.1-4.8	4.6	0.5
Sodium	mEq/L	ISE Direct	43	154.1	4.7	0.90	144.8-163.5	155	0.2
SGPT/ALT	U/L	UV without P5P	64	130.5	10.1	1.58	110.2-150.8	130	0.0
SGOT/AST	U/L	UV without P5P	62	133.2	9.9	1.57	113.3-153.1	125	-0.8
Triglyceride	mg/dL	Enzymatic method	59	254.1	16.7	2.72	220.8-287.4	247	-0.4
Urea	mg/dL	Urease	78	113.3	5.5	0.78	102.3-124.3	115	0.3
Uric Acid	mg/dl	Uricase	57	9.3	0.5	0.08	8.2-10.4	9.8	1.0
Chloride	mEq/L	ISE Indirect	43	115.5	3.5	0.67	108.4-122.5	115	-0.1
Phosphorus	mg/dL	Phosphomolybdate method	64	6.7	0.2	0.03	6.2-7.2	6.3	-2.0
Magnesium @	mg/dl	Uricase Colorimetic	10	4.2	0.3	0.12	3.5-4.8	-	-
Iron	µg/dL	Ferene	32	209.7	12.6	2.78	184.4-234.9	220	0.8
Amylase @	U/L	Uricase Colorimetic	32	284.8	27.3	6.03	230.1-339.4	-	-
CK @	U/L	NAC Activated	13	461.1	82.7	28.67	295.7-626.5	-	-

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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Continuous Efforts And Execution Leads To Quality Excellence



BIO-CHEMISTRY-02

METHOD WISE REPORT PART-02

Lab Code: 2746

Cycle - 12/2023

Round No - 09

Date: 05/10/2023

Note: Your Lab 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	Z Score
Glucose	mg/dL	Hexokinase	28	265.1	5.4	1.28	254.4-275.9	-	-
Potassium	mEq/L	ISE Indirect	28	6.0	0.1	0.02	5.7-6.3	-	-
Protein (Total)	g/dl	Biuret, No Serum Blank End Point	29	4.5	0.2	0.05	4.2-4.9	-	-
Sodium	mEq/L	ISE Indirect	27	158.4	3.8	0.91	150.9-166.0	-	-
SGPT/ALT	U/L	UV with P5P	25	135.8	9.5	2.38	116.7-154.8	-	-
SGOT/AST	U/L	UV with P5P	25	156.8	16.9	4.23	122.9-190.7	-	-
Triglyceride	mg/dL	Enzymatic, End Point	31	250.6	6.6	1.48	237.4-263.8	-	-
Uric Acid	mg/dl	Enzymatic	31	9.7	0.8	0.18	8.1-11.3	-	-
Chloride	mEq/L	ISE Direct	25	116.0	3.2	0.80	109.6-122.3	-	-
Iron	μ g/dL	Forzine-NO Deproteinization	26	218.9	8.1	1.99	202.8-235.1	-	-

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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Dr.Sanjay Mehrotra

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Programme Director

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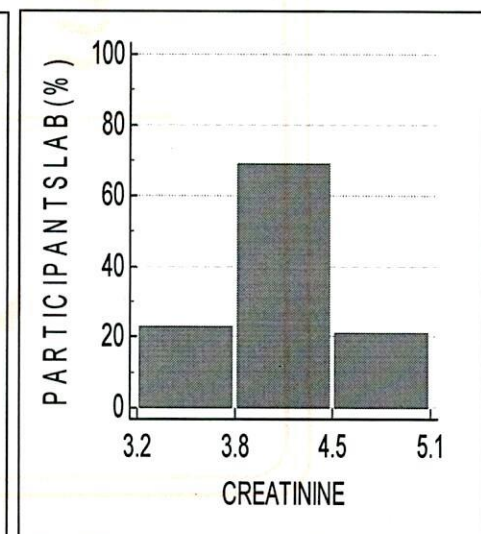
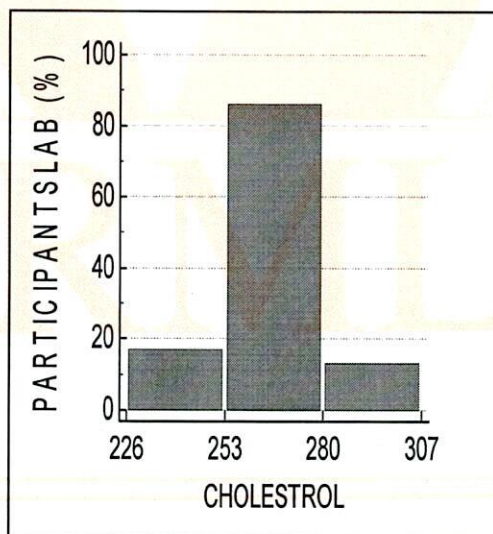
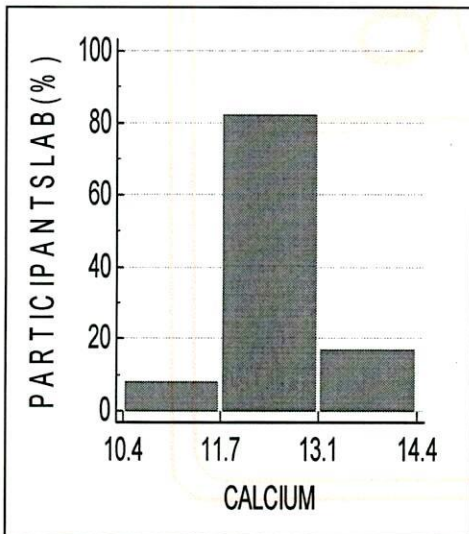
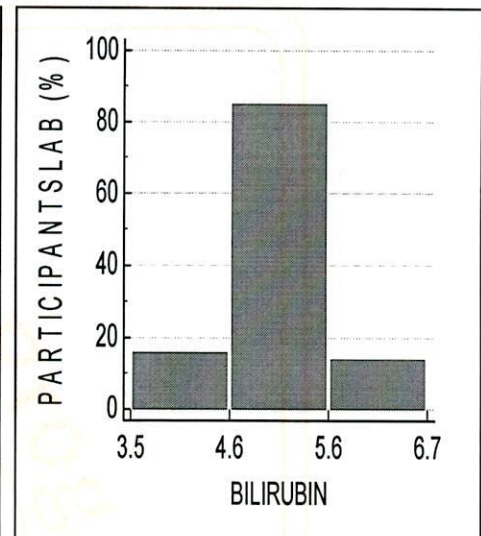
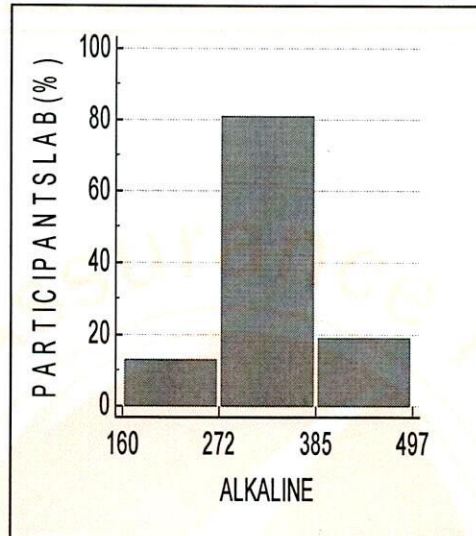
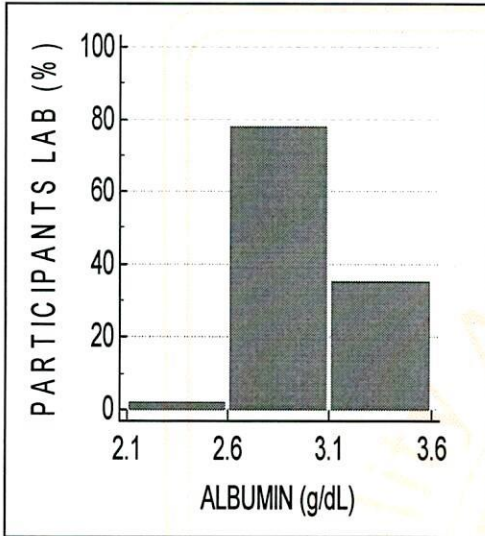


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-9

Date: 05/10/2023

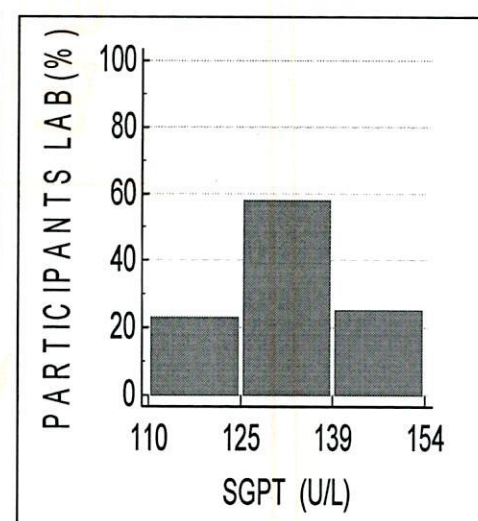
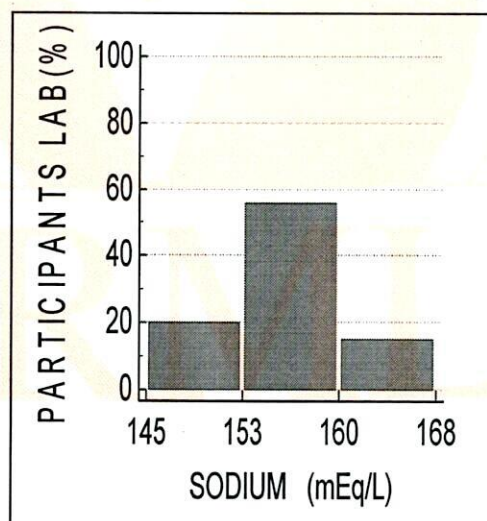
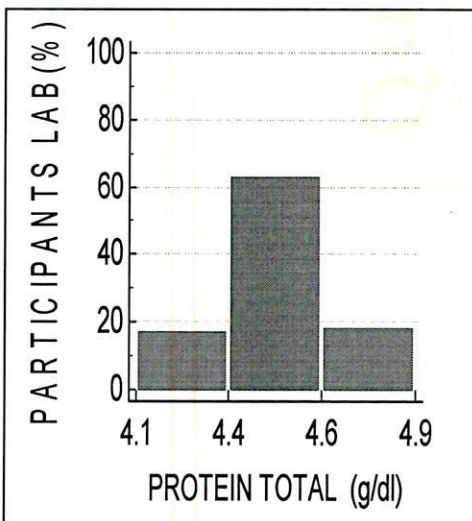
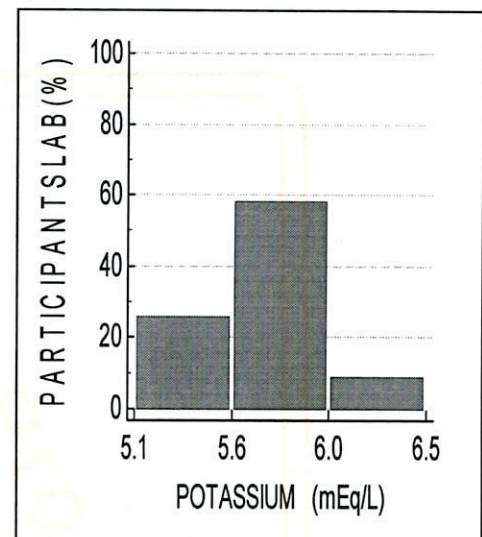
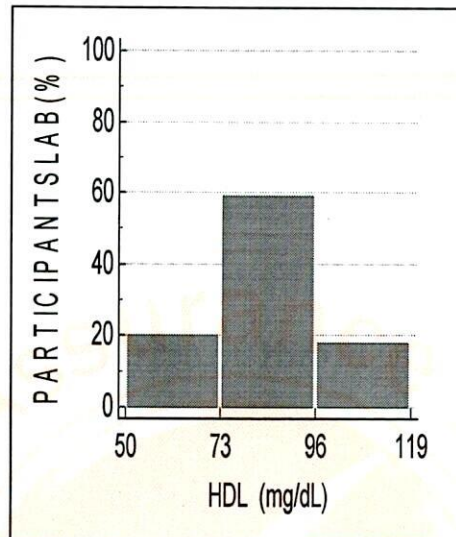
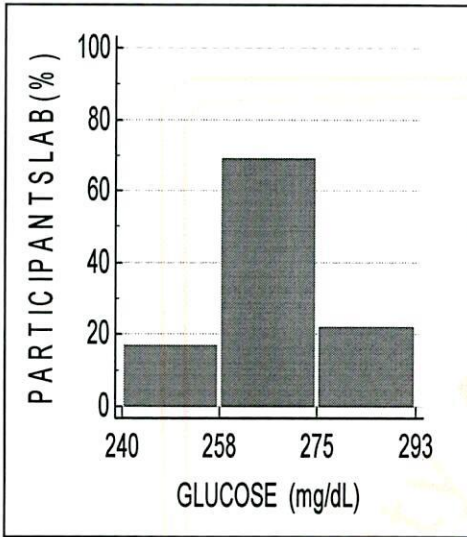


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GRAPHICAL REPORT

Cycle - 12/2023
Round-9

Date: 05/10/2023

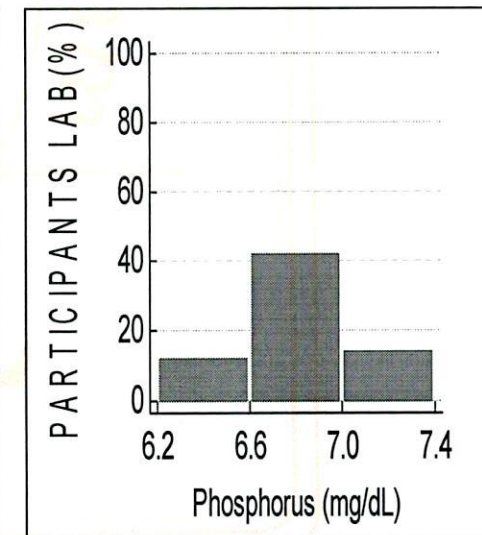
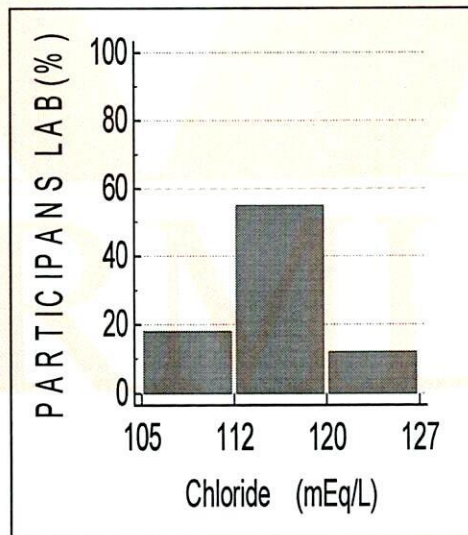
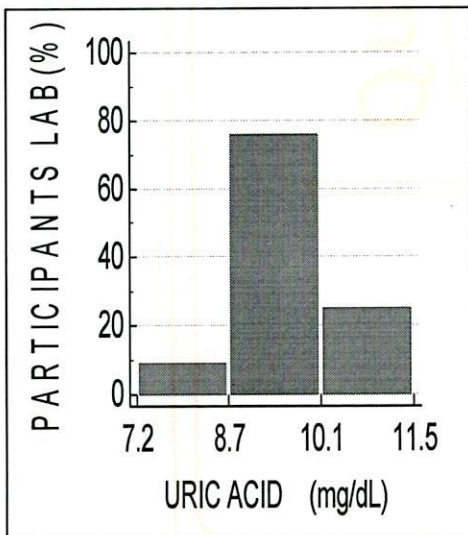
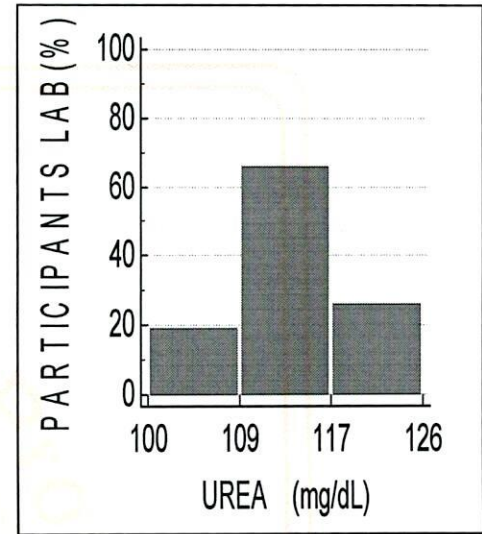
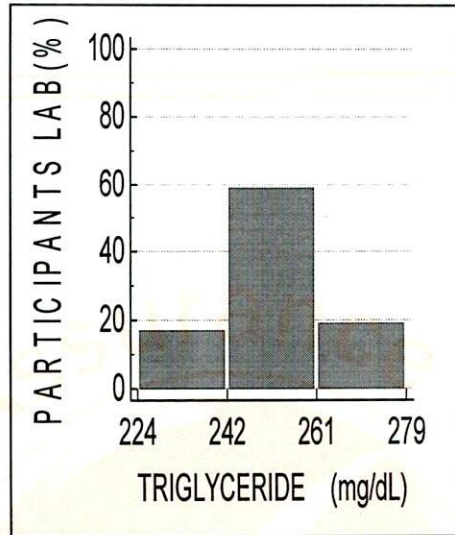
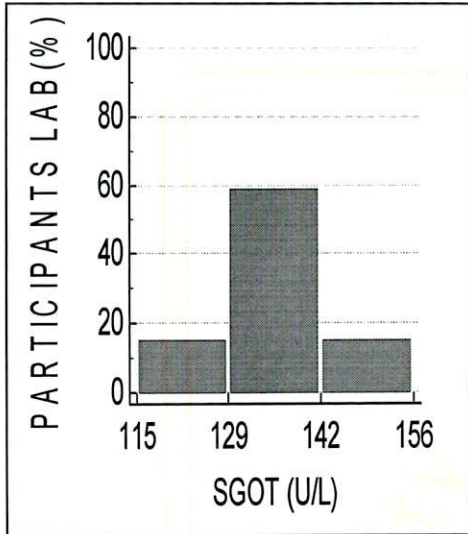


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-9

Date: 05/10/2023

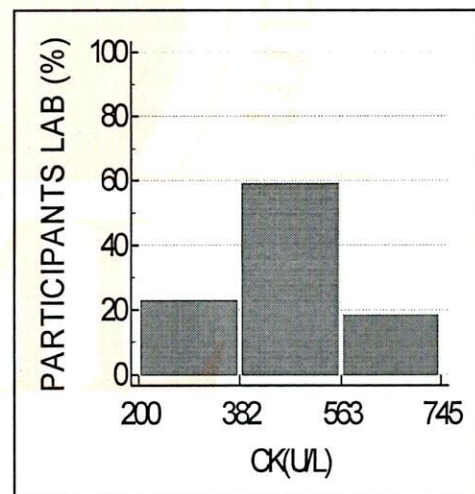
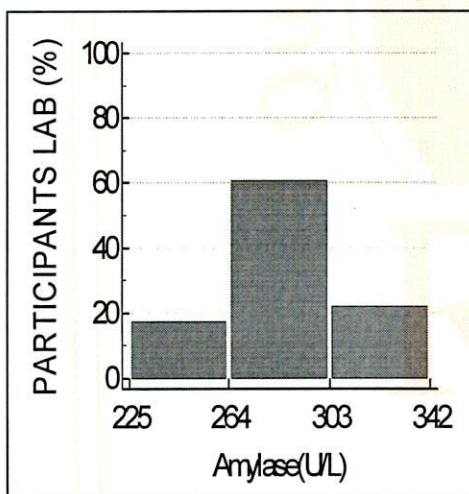
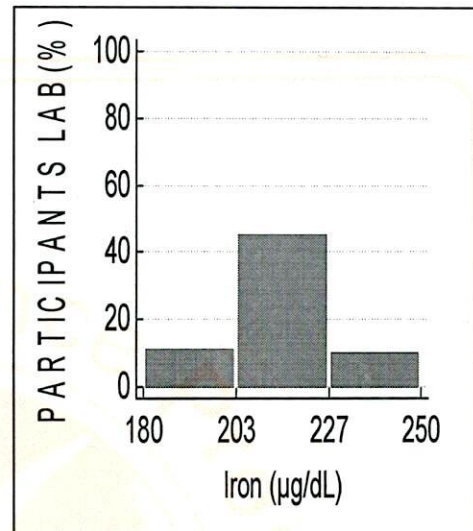
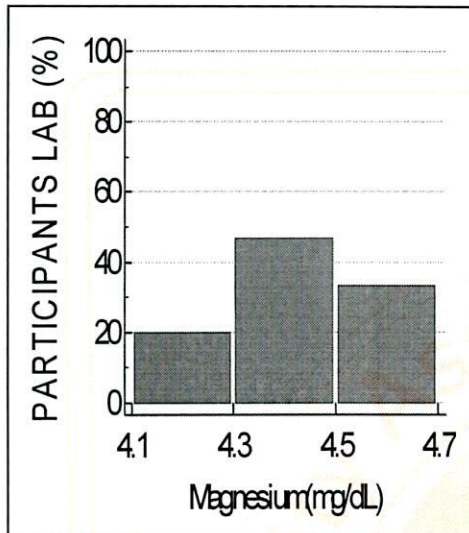


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-9

Date: 05/10/2023





RML- Quality Assurance Program (RML-QAP)



Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 09

Date: 05/10/2023

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	160	120	4	111	5	4
Alkaline Phosphatase	160	119	5	111	2	6
Bilirubin Total	160	121	5	107	9	5
Calcium(Total)	160	113	7	100	6	7
Cholesterol (Total)	160	120	4	109	7	4
Creatinine	160	120	4	109	7	4
Glucose	160	121	11	99	11	11
HDL	160	115	3	92	20	3
Potassium	160	98	4	90	4	4
Protein (Total)	160	119	14	101	4	14
Sodium	160	98	5	90	3	5
SGPT/ALT	160	121	10	104	7	10
SGOT/AST	160	120	28	86	6	28
Triglyceride	160	118	16	93	9	16
Urea	160	121	8	106	7	8
Uric Acid	160	118	6	109	3	6
Chloride mEq/L	160	93	5	82	6	5
Phosphorus mg/dL	160	85	14	68	3	14
Magnesium mg/dl	160	23	14	17	1	5
Iron µg/dL	160	74	8	63	3	8
Amylase U/L	160	63	13	42	8	13
CK U/L	160	23	1	20	2	1

****End of Report****

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