



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Lab Code:2894

Cycle - 12/2023
Round No - 08

Date: 31/08/2023

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	0.02	2.5-3.3	2.7	-1.1
Alkaline Phosphatase	U/L	121	328.5	59.2	6.73	210.1-446.9	340	0.2
Bilirubin (Total)	mg/dL	121	5.1	0.6	0.07	3.9-6.3	5.2	0.2
Calcium (Total)	mg/dL	115	12.5	0.5	0.06	11.5-13.4	12.3	-0.4
Cholesterol (Total)	mg/dL	121	261.5	13.7	1.55	234.2-288.8	257	-0.3
Creatinine	mg/dL	122	4.2	0.2	0.02	3.8-4.6	3.8	-1.9
Glucose	mg/dL	121	265.6	16.9	1.92	231.8-299.4	238	-1.6
HDL	mg/dL	114	81.3	17.7	2.08	45.9-116.8	41.0	-2.3
Potassium	mEq/L	100	5.7	0.3	0.04	5.1-6.4	5.5	-0.7
Protein (Total)	g/dl	120	4.5	0.3	0.04	3.9-5.2	4.2	-1.0
Sodium	mEq/L	100	155.7	4.0	0.50	147.7-163.8	148	-1.9
SGPT/ALT	U/L	122	134.2	11.2	1.26	111.9-156.6	122	-1.1
SGOT/AST	U/L	121	131.8	8.5	0.96	114.9-148.7	128	-0.4
Triglyceride	mg/dL	120	251.0	14.7	1.68	221.5-280.5	235	-1.1
Urea	mg/dL	122	113.6	7.4	0.84	98.7-128.4	104	-1.3
Uric Acid	mg/dl	119	9.3	0.6	0.07	8.1-10.6	9.1	-0.3
Chloride	mEq/L	95	115.6	4.7	0.60	106.2-125.0	106	-2.0
Phosphorus	mg/dL	86	6.7	0.3	0.04	6.1-7.4	6.8	0.2
Magnesium	mg/dl	26	4.2	0.1	0.03	4.0-4.5	*3.8	-3.1
Iron	µg/dL	82	217.9	14.8	2.04	188.3-247.4	235	1.2
Amylase	U/L	60	288.7	28.5	4.59	231.8-345.6	308	0.7
CK	U/L	24	449.9	94.7	24.16	260.5-639.3	339	-1.2

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:

Page 1 of 7

Prepared by: A.D

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



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Continuous Efforts And Execution Leads To Quality Excellence



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

METHOD WISE REPORT

Cycle - 12/2023

Round No - 08

Lab Code: 2894

Date: 31/08/2023

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
Albumin	g/dL	Bromocresal Green (BCG)	87	3.0	0.2	0.03	2.6-3.3	-	-
Alkaline Phosphatase	U/L	PNPP	88	315.5	47.0	6.26	221.6-409.5	-	-
Bilirubin Total	mg/dL	Diazonium Ion	77	5.1	0.6	0.09	3.9-6.3	-	-
Calcium(Total)	mg/dL	Arsenazo iii	70	12.4	0.5	0.08	11.3-13.5	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	93	261.8	13.7	1.77	234.5-289.1	-	-
Creatinine	mg/dL	Alkaline picrate	76	4.2	0.2	0.03	3.8-4.7	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	65	268.5	17.6	2.73	233.3-303.7	-	-
HDL	mg/dL	Direct measure	50	91.6	11.4	2.01	68.9-114.4	-	-
Potassium	mEq/L	ISE Direct	47	5.6	0.3	0.05	5.0-6.2	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	64	4.6	0.4	0.06	3.9-5.4	-	-
Sodium	mEq/L	ISE Direct	47	155.1	3.8	0.70	147.5-162.7	-	-
SGPT/ALT	U/L	UV without P5P	68	133.0	10.2	1.54	112.7-153.3	-	-
SGOT	U/L	UV without P5P	67	131.9	8.8	1.34	114.4-149.5	-	-
Triglyceride	mg/dL	Enzymatic method	63	253.2	16.5	2.61	220.2-286.3	-	-
Urea	mg/dL	Urease	81	114.5	7.7	1.07	99.2-129.8	-	-
Uric Acid	mg/dl	Uricase	61	9.2	0.6	0.09	8.1-10.4	-	-
Chloride	mEq/L	ISE Indirect	45	115.1	4.1	0.77	106.8-123.3	-	-
Phosphorus	mg/dL	Phosphomolybdate method	64	6.7	0.3	0.05	6.1-7.4	-	-
Magnesium	mg/dl	Uricase Colorimetic	11	4.2	0.4	0.15	3.4-5.0	-	-
Iron	µg/dL	Ferene	37	221.4	12.6	2.60	196.1-246.6	-	-
Amylase	U/L	Uricase Colorimetic	31	289.8	27.7	6.22	234.3-345.2	-	-
CK	U/L	NAC Activated	12	485.2	77.1	27.83	331.0-639.4	-	-

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

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

Checked By

Prepared by: A.D

Page 2 of 7

Doc.No.: ASS/FR/02A/R01/Dt.: 05.01.2022



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BIO-CHEMISTRY-02

METHOD WISE REPORT PART-02

Lab Code: 2894

Cycle - 12/2023
Round No - 08

Date: 31/08/2023

Note: Your Lab 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
Glucose	mg/dL	Hexokinase	27	2.9	0.2	0.05	2.5-3.4	-	-
Potassium	mEq/L	ISE Indirect	27	287.6	21.0	5.05	245.7-329.6	-	-
Protein (Total)	g/dl	Biuret, No Serum Blank End Point	26	5.0	0.6	0.15	3.9-6.1	-	-
Sodium	mEq/L	ISE Indirect	26	12.5	0.5	0.12	11.4-13.5	-	-
SGPT/ALT	U/L	UV with P5P	24	262.8	9.0	2.30	244.9-280.8	-	-
SGOT/AST	U/L	UV with P5P	24	4.3	0.2	0.05	3.9-4.7	-	-
Triglyceride	mg/dL	Enzymatic, End Point	31	265.8	15.1	3.39	235.6-295.9	-	-
Uric Acid	mg/dl	Enzymatic	28	61.7	12.9	3.05	35.83 - 87.51	-	-
Chloride	mEq/L	ISE Direct	25	5.7	0.3	0.08	5.1-6.4	-	-
Iron	μ g/dL	Forzine-NO Deproteinization	27	4.5	0.1	0.02	4.2-4.8	-	-

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

Programme Director

Dr. Bandana Mehrotra

Checked By:

Prepared by: RK

Page 3 of 8

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



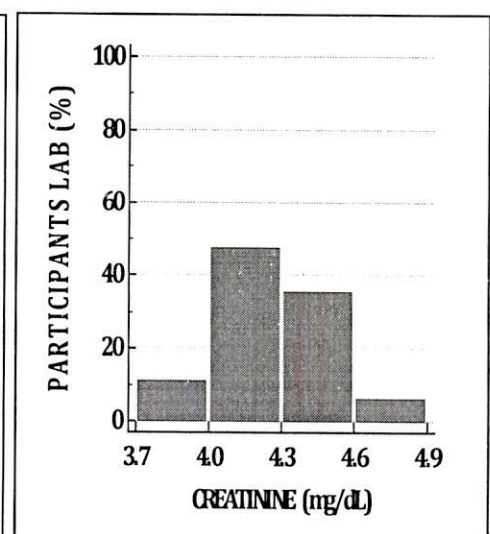
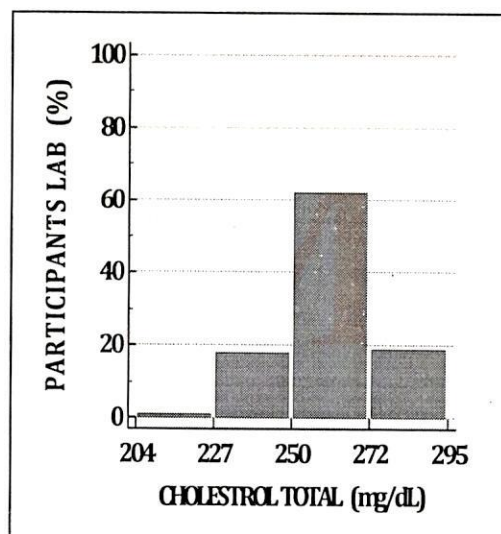
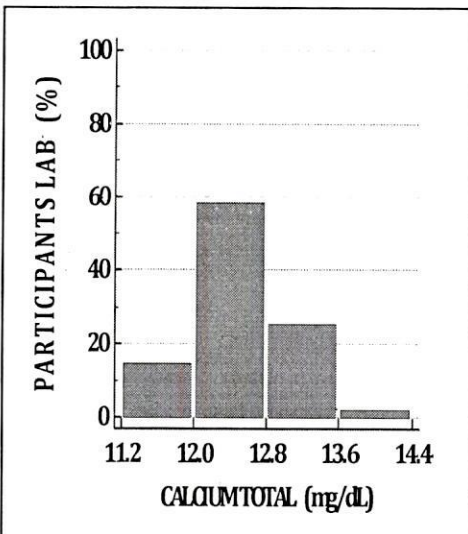
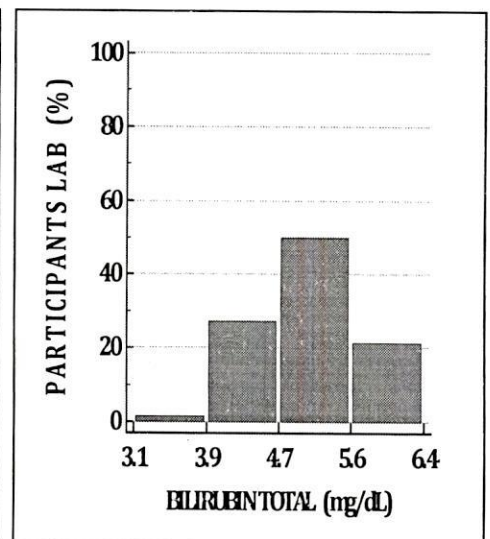
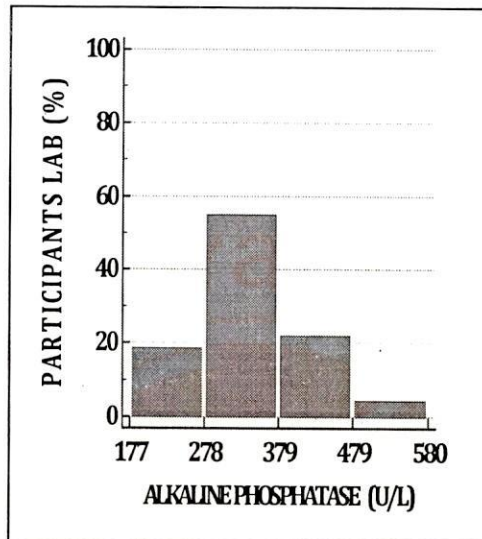
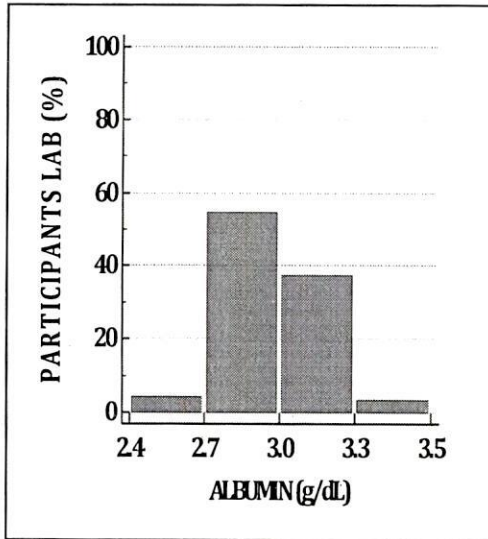


GRAPHICAL REPORT

Cycle - 12/2023

Round-8

Date: 31/08/2023

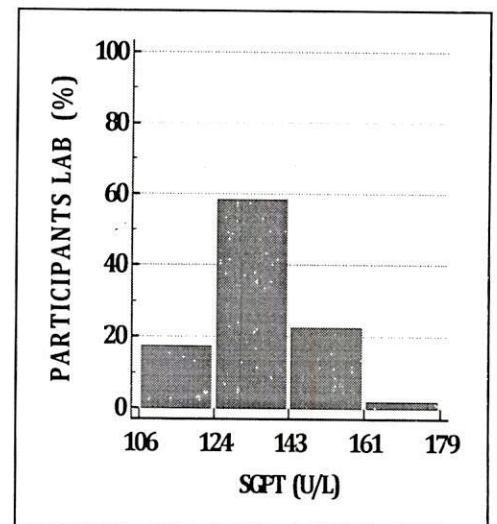
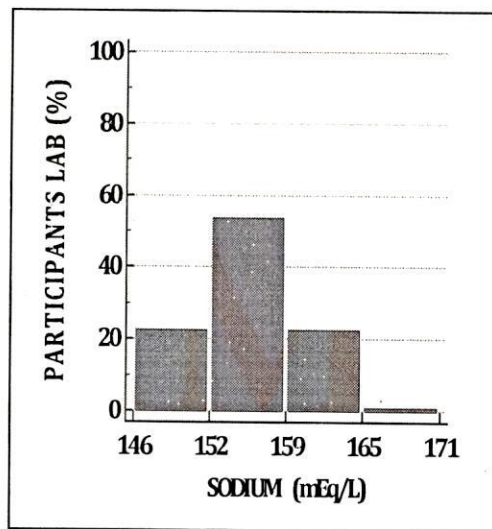
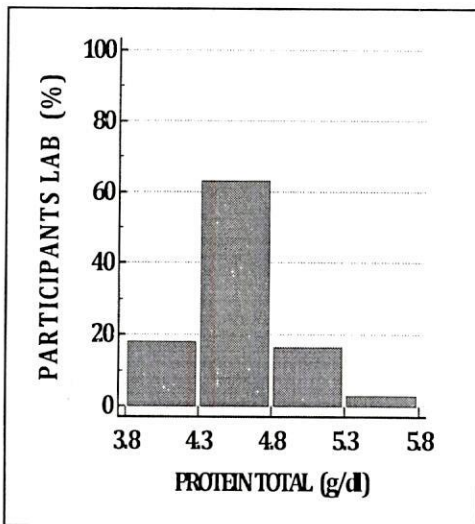
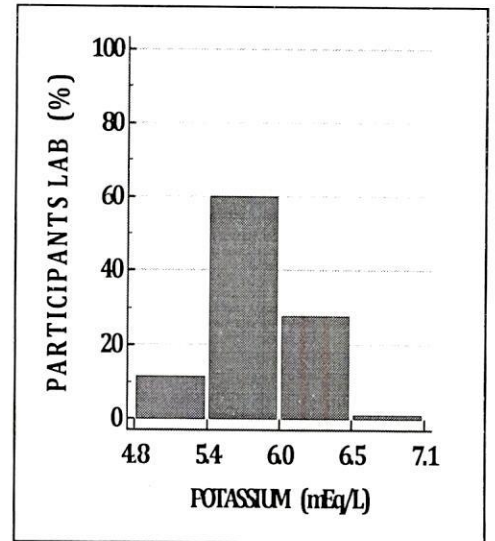
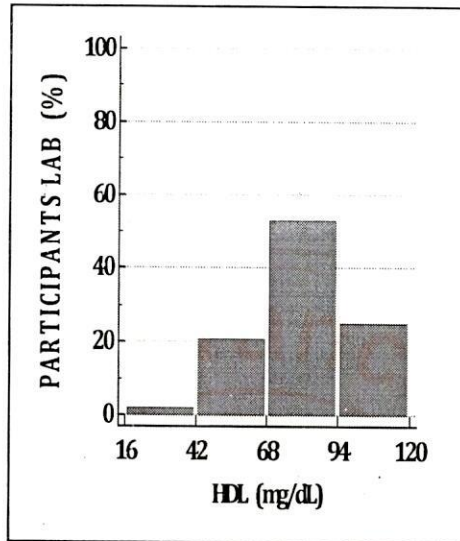
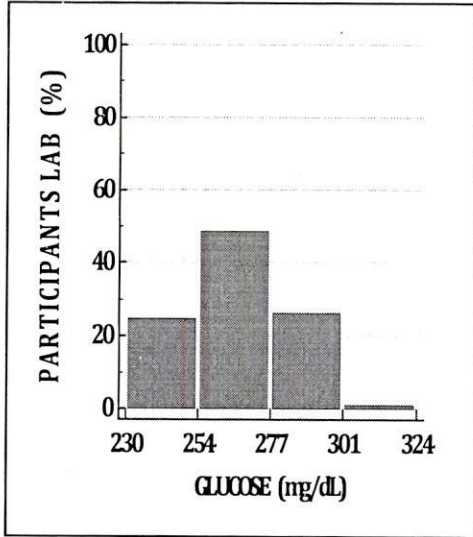




GRAPHICAL REPORT

Cycle - 12/2023
Round-8

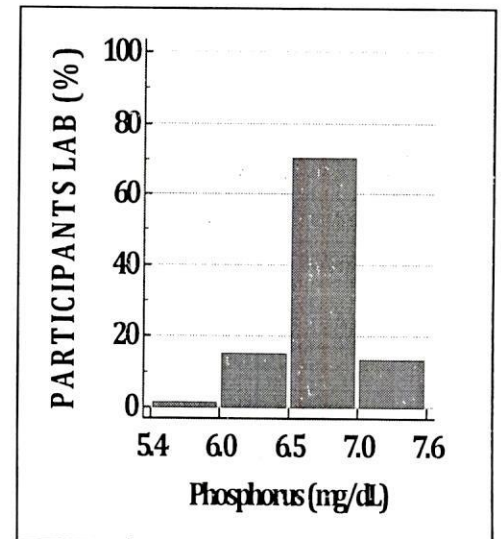
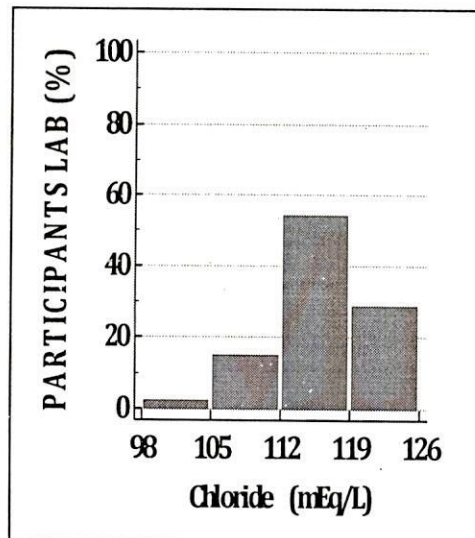
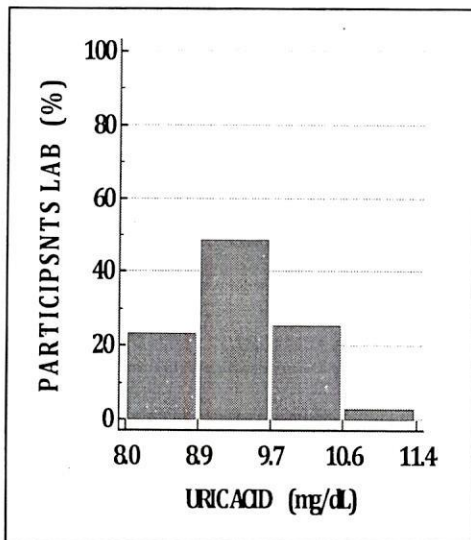
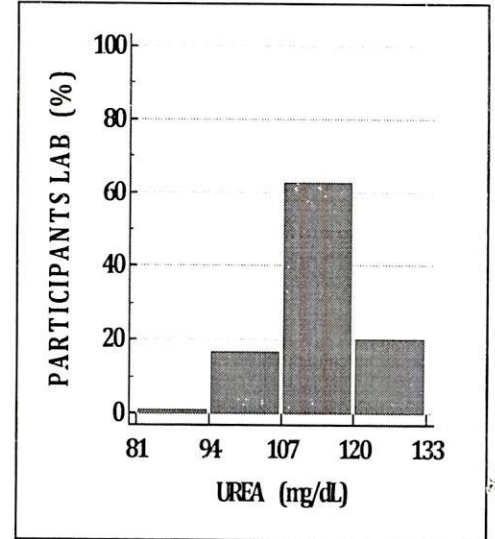
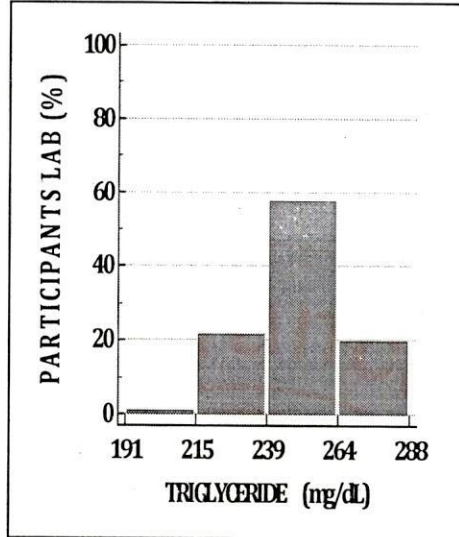
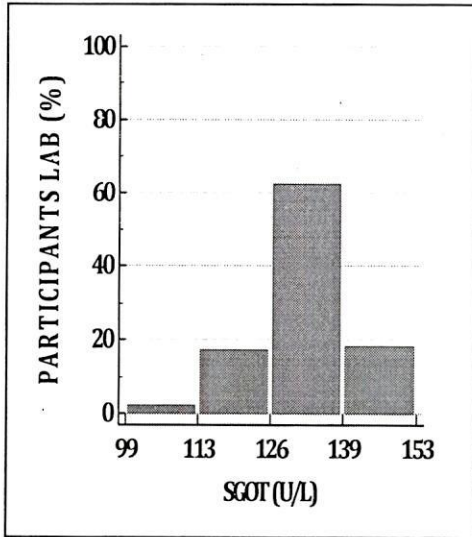
Date: 31/08/2023



GRAPHICAL REPORT

Cycle - 12/2023
Round-8

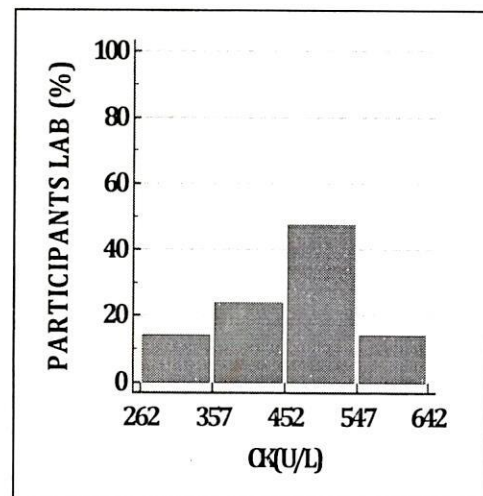
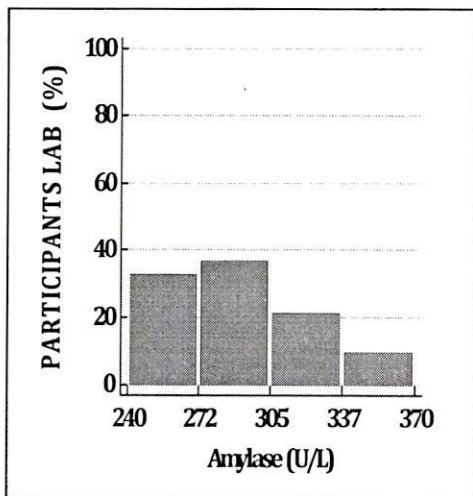
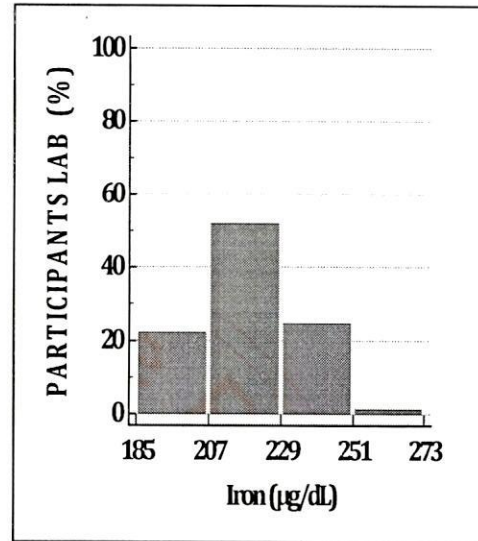
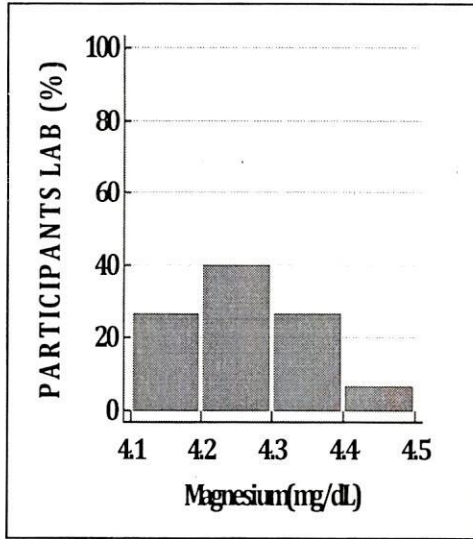
Date: 31/08/2023



GRAPHICAL REPORT

Cycle - 12/2023
Round-8

Date: 31/08/2023





PC 1001

RML- Quality Assurance Program (RML-QAP)



Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 08

Date: 31/08/2023

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	155	120	5	114	1	5
Alkaline Phosphatase	155	121	4	106	11	4
Bilirubin Total	155	121	5	116	0	5
Calcium(Total)	155	115	11	97	7	11
Cholesterol (Total)	155	121	10	106	5	10
Creatinine	155	122	16	98	8	16
Glucose	155	121	3	117	1	3
HDL	155	114	1	108	5	1
Potassium	155	100	3	94	3	3
Protein (Total)	155	120	8	106	6	8
Sodium	155	100	5	89	6	5
SGPT/ALT	155	122	6	111	5	6
SGOT/AST	155	121	24	88	9	24
Triglyceride	155	120	14	100	6	14
Urea	155	122	7	109	6	7
Uric Acid	155	119	14	99	6	14
Chloride mEq/L	155	95	1	92	2	1
Phosphorus mg/dL	155	86	12	68	6	12
Magnesium mg/dl	155	26	10	16	0	10
Iron µg/dL	155	82	5	74	3	5
Amylase U/L	155	60	8	50	2	8
CK U/L	155	24	3	21	0	3

End of Report

Page 8 of 8

Doc. No.: ASS / FR / 01 / R 00 / Dt.: 01.07.2012



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RML- Quality Assurance Program (RML-QAP)



Lab Code No. **2894**

BASIC SEROLOGY FINAL RESULT ASSESSMENT

CYCLE NO. : 12

ROUND: 4

TOTAL PARTICIPANT: 475

DATE: 31/08/2023

Parameter	Total Responses	Your Result	All Lab Result	Consensus %	Remarks
S1- Anti HCV	-	-	-	-	-
S2- HBsAg	412	Negative	Positive : 82 Negative : 330	80%	Within Consensus

Legends:	(*) Excluded From Consensus Group	{NR} Not Reported	(#) Late Result Submission
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*Note: Consensus for S1-Anti HCV has not been reached, hence Parameter S1- Anti HCV for Round -4 stands deferred.

Chief Coordinator

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

Checked By:

Prepared by: NT

End of Report