



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 2457

Cycle - 11/2022  
Round No - 12

Date: 20/12/2022

Parameters	Units	No.of. Parti- cipants	Group Mean	Standard deviation (SD)	Uncertal nty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	235	4.1	0.3	0.02	3.6-4.6	4.4	1.3
Alkaline Phosphatase	U/L	228	178.6	40.1	3.32	98.4-258.8	156	-0.6
Bilirubin Total	mg/dL	235	1.5	0.2	0.02	1.1-1.9	1.5	0.0
Calcium(Total)	mg/dL	211	8.9	0.5	0.04	7.8-9.9	9.9	2.0
Cholesterol (Total)	mg/dL	229	167.1	21.5	1.78	124.0-210.1	148	-0.9
Creatinine	mg/dL	237	1.4	0.2	0.01	1.0-1.8	1.4	0.1
Glucose	mg/dL	238	103.5	10.8	0.87	82.0-125.1	105	0.1
HDL	mg/dL	221	56.2	16.9	1.42	22.5-90.0	50.2	-0.4
Potassium	mEq/L	207	3.9	0.2	0.02	3.5-4.3	3.7	-1.1
Protein (Total)	g/dl	233	5.7	0.4	0.03	5.0-6.5	5.7	-0.1
Sodium	mEq/L	205	138.3	3.9	0.34	130.6-146.0	128	-2.7
SGPT/ALT	U/L	234	30.6	4.0	0.32	22.6-38.5	28	-0.6
SGOT/AST	U/L	234	31.5	4.6	0.38	22.3-40.7	28	-0.8
Triglyceride	mg/dL	229	92.9	8.8	0.73	75.3-110.4	90	-0.3
Urea	mg/dL	235	43.4	4.2	0.34	35.0-51.8	.	.
Uric Acid	mg/dl	234	5.7	0.5	0.04	4.8-6.6	5.5	-0.5

#### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group	{ } Not Reported	(#)Late Result	(\$)Reported in
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By

Prepared by: SS

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

Programme Director

Dr.Bandana Mehrotra

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*Dr. Sanjay Mehrotra*  
05/01/2023



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# RML - Quality Assurance Program (RML - QAP)



## BIO-CHEMISTRY

### METHOD WISE REPORT

Cycle - 11/2022

Round No - 12

Lab Code: 2457

Date: 20/12/2022

Note: Your Lab is not the part of this method group

Parameters	Units	Method Group	No. of Participants in Group	Method Wise Group Mean	Method Wise Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range ( $\pm 2$ SD)	Your Value	Method Wise Standard Deviation Index (SDI)
Albumin	g/dL	Bromocresol Green (BCG)	102	4.1	0.2	0.03	3.6-4.6	-	-
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	68	173.8	30.6	4.63	112.7-235.0	-	-
Bilirubin Total	mg/dL	Diazonium Ion	63	1.5	0.2	0.03	1.0-1.9	-	-
Calcium(Total)	mg/dL	Arsenazo iii	60	9.0	0.6	0.10	7.7-10.2	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase, esterase, peroxidase	66	172.5	21.6	3.32	129.4-215.6	-	-
Creatinine	mg/dL	Enzymatic	42	1.4	0.2	0.03	1.0-1.8	-	-
Glucose	mg/dL	Glucose oxidase, hydrogen peroxide (Trinder)	43	107.4	9.5	1.81	88.4-126.5	-	-
HDL	mg/dL	Direct measure-PEG	31	54.2	17.1	3.85	20.0-88.5	-	-
Potassium	mEq/L	ISE Direct	69	3.9	0.2	0.03	3.5-4.3	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	42	5.8	0.5	0.10	4.8-6.8	-	-
Sodium	mEq/L	ISE Direct	70	138.2	3.5	0.52	131.2-145.2	-	-
SGPT/ALT	U/L	UV without P5P	44	30.0	3.7	0.69	22.6-37.3	-	-
SGOT/AST	U/L	UV without P5P	44	29.8	3.4	0.64	23.0-36.6	-	-
Triglyceride	mg/dL	Enzymatic, end point	37	94.4	7.7	1.58	79.0-109.8	-	-
Urea	mg/dL	Urease, UV	54	43.5	4.9	0.83	33.8-53.2	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	72	5.7	0.4	0.06	4.8-6.5	-	-

### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	$\geq 3$
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	(.) Not Reported	(#) Late Result Submission	(S) Reported in other Unit
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Chief Coordinator

*[Signature]*  
Dr. Sanjay Mehrotra

Checked By

Prepared by: SS

Programme Director

*[Signature]*  
Dr. Bandana Mehrotra

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



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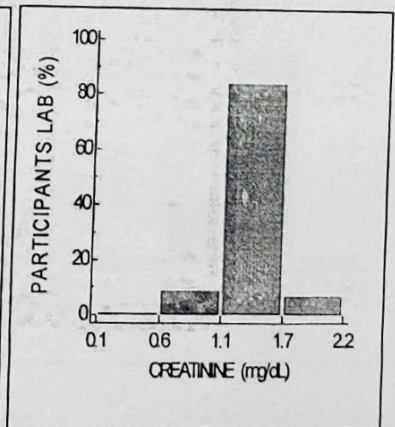
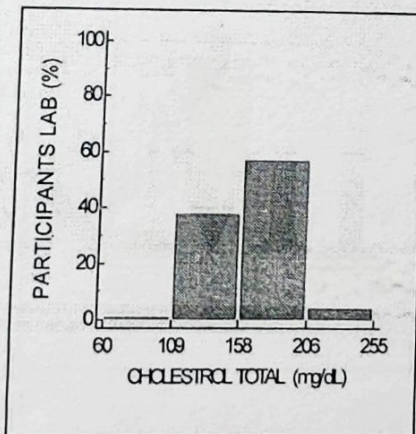
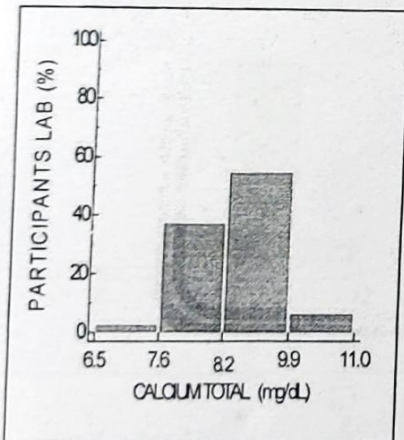
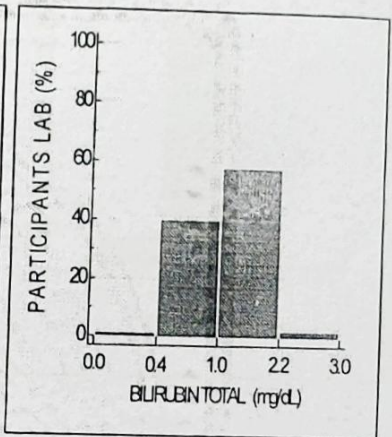
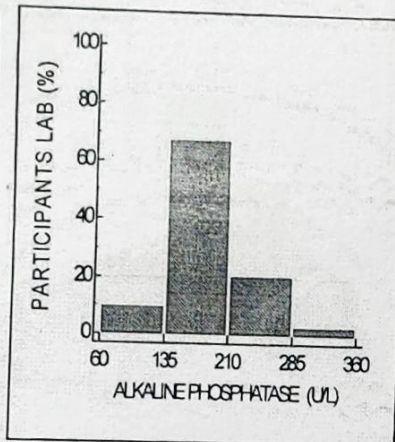
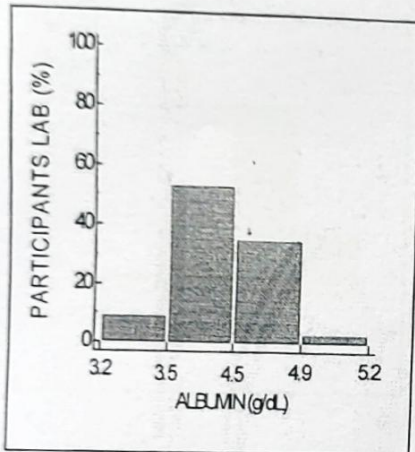


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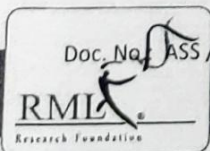
GRAPHICAL REPORT

Cycle - 11/2022  
Round-12

Date:20/12/2022



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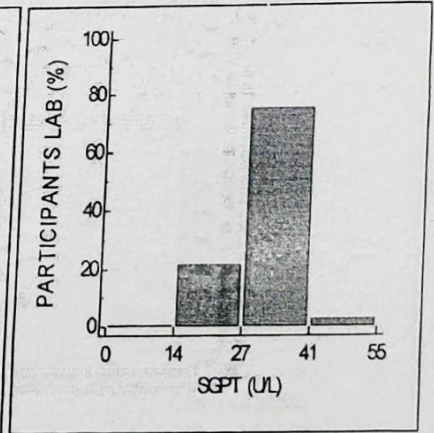
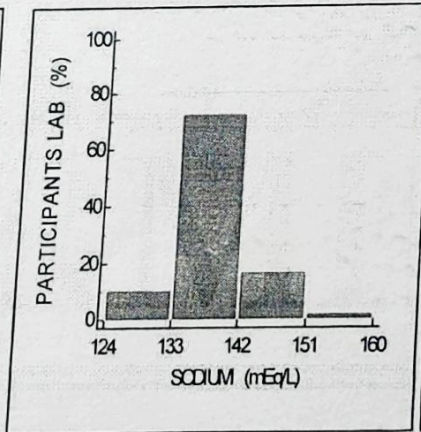
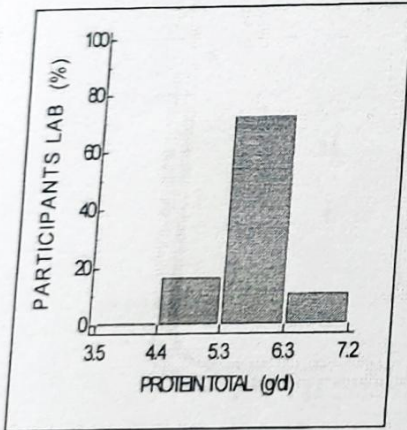
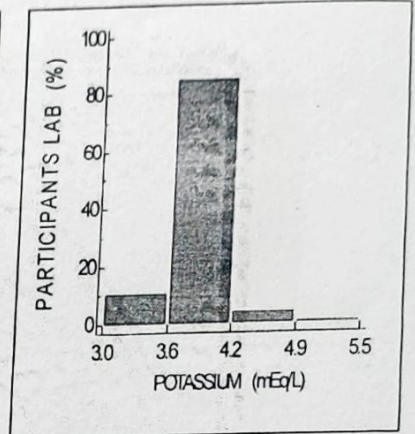
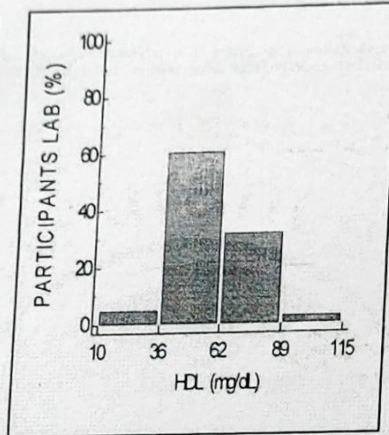
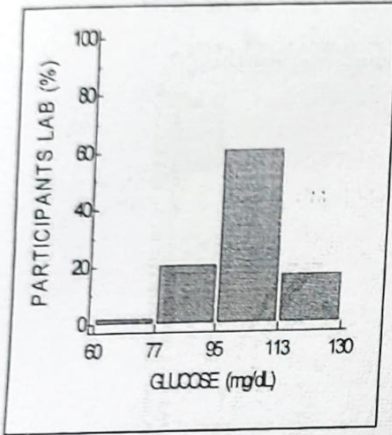




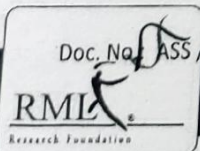
BIO-CHEMISTRY  
GRAPHICAL REPORT

Cycle - 11/2022  
Round-12

Date:20/12/2022



*Arjun - ll*





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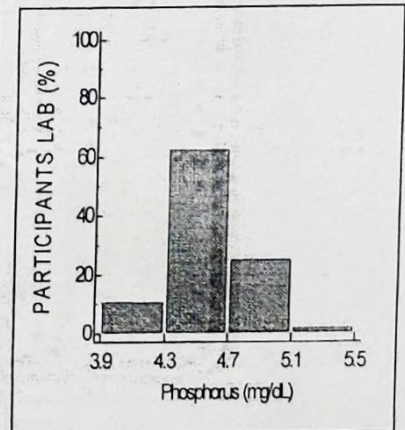
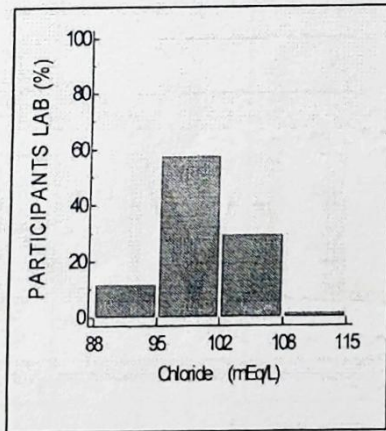
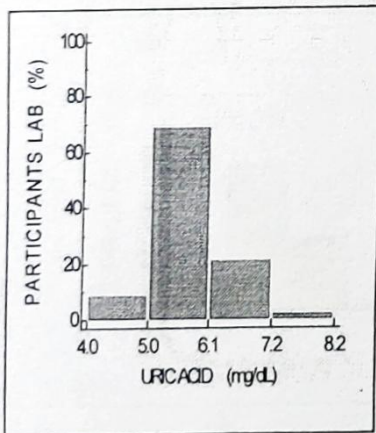
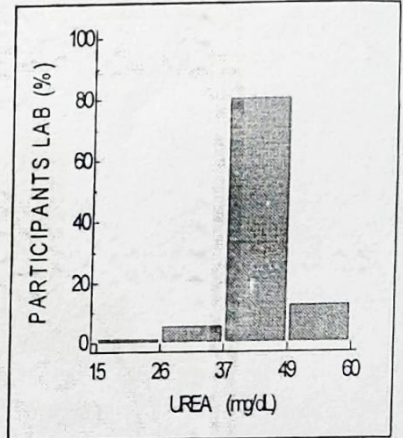
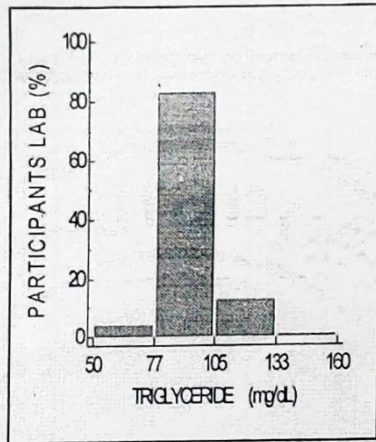
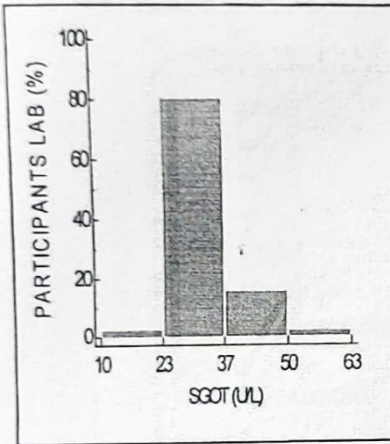


## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round-12

Date:20/12/2022



*Dr. Anurag*





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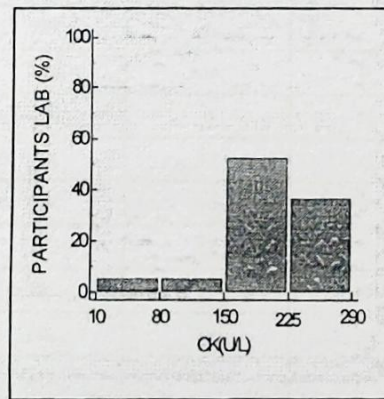
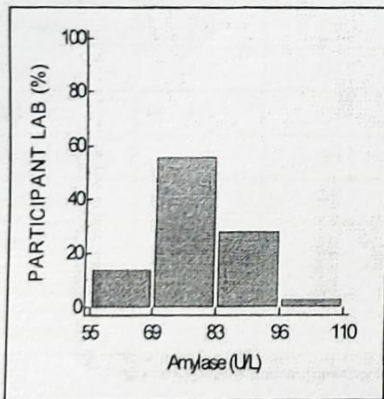
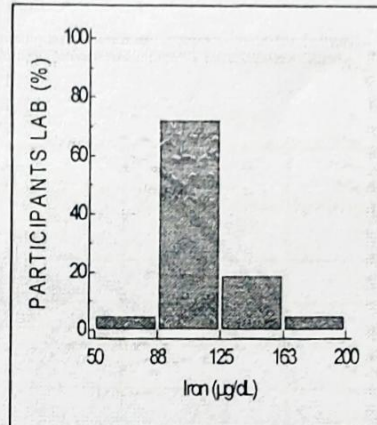
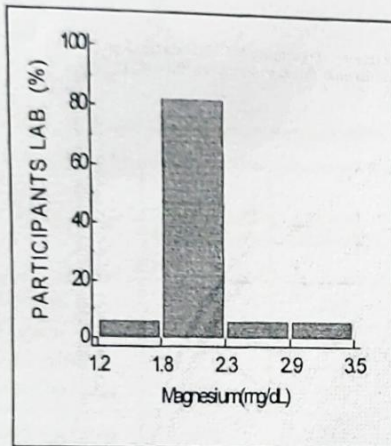


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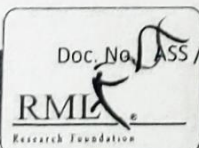
### GRAPHICAL REPORT

Cycle - 11/2022  
Round-12

Date:20/12/2022



*Arushi*





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## Biochemistry

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022  
Round No -12

Date: 20/12/2022

**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 Group Mean	No. of Participants SDI b/w 0.0 - 2	No. of Participants SDI b/w 2.1 - 2.9	No. of Participants SDI >3
Albumin	291	235	8	208	15	12
Alkaline Phosphatase	291	228	4	211	10	7
Bilirubin Total	291	235	3	216	7	12
Calcium(Total)	291	211	11	183	12	16
Cholesterol (Total)	291	229	2	216	6	7
Creatinine	291	237	4	216	11	10
Glucose	291	238	3	222	9	7
HDL	291	221	0	215	6	0
Potassium	291	207	6	184	9	14
Protein (Total)	291	233	6	206	12	15
Sodium	291	205	3	182	14	9
SGPT/ALT	291	234	3	213	12	9
SGOT/AST	291	234	3	196	23	15
Triglyceride	291	229	6	201	13	15
Urea	291	235	3	212	12	11
Uric Acid	291	234	8	210	10	14

**\*\*End of Report\*\***

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