



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 2594

Cycle - 11/2022

Round No - 8

Date: 7/09/2022

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	221	2.9	0.2	0.02	2.5-3.3	3.2	1.5
Alkaline Phosphatase	U/L	213	322.5	74.1	6.35	174.3-470.7	397	1.0
Bilirubin Total	mg/dL	221	5.0	0.5	0.04	3.9-6.0	5.3	0.6
Calcium(Total)	mg/dL	193	12.3	0.9	0.08	10.4-14.1	13.2	1.0
Cholesterol (Total)	mg/dL	216	271.4	16.0	1.36	239.4-303.4	249	-1.4
Creatinine	mg/dL	225	4.2	0.4	0.03	3.4-5.0	3.7	-1.3
Glucose	mg/dL	226	261.5	16.9	1.41	227.8-295.3	205	-3.3
HDL	mg/dL	206	87.8	31.8	2.77	24.3-151.4	43.7	-1.4
Potassium	mEq/L	184	5.8	0.3	0.03	5.2-6.4	5.8	0.0
Protein (Total)	g/dl	217	4.6	0.4	0.03	3.8-5.5	5.6	2.5
Sodium	mEq/L	184	154.8	5.2	0.48	144.3-165.3	152	-0.5
SGPT/ALT	U/L	221	122.9	12.2	1.03	98.4-147.6	120	-0.2
SGOT/AST	U/L	221	130.4	13.3	1.12	103.9-156.9	116	-1.1
Triglyceride	mg/dL	216	251.8	15.2	1.29	221.4-282.1	233	-1.2
Urea	mg/dL	224	114.7	11.1	0.93	92.6-136.9	80	-3.1
Uric Acid	mg/dl	221	9.2	0.8	0.07	7.5-10.8	7.5	-2.1

### 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	{ } Not Reported	(#)Late Result	(\$)Reported in
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: SM

Programme Director

Dr.Bandana Mehrotra

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# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY

### METHOD WISE REPORT

Cycle - 11/2022

Round No - 8

Date: 07/09/2022

Lab Code: 2594

Note: @ Parameters are not part of 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	Bromcresal Green (BCG)	90	2.9	0.2	0.03	2.5-3.3	3.2	1.5
Alkaline Phosphatase @	U/L	PNPP, AMP Buffer	60	313.6	62.7	10.12	188.2-439.1	-	-
Bilirubin Total @	mg/dL	Diazonium Ion	48	4.9	0.5	0.09	3.9-5.9	-	-
Calcium(Total) @	mg/dL	Arsenazo iii	50	12.3	1.0	0.18	10.3-14.3	-	-
Cholesterol (Total)@	mg/dL	Cholesterol Oxidase,esterase, peroxidase	58	271.3	16.5	2.71	238.3-304.4	-	-
Creatinine @	mg/dL	Enzymatic	35	4.3	0.4	0.08	3.6-5.1	-	-
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	38	262.7	17.0	3.45	228.8-296.6	-	-
HDL @	mg/dL	Direct measure-PEG	24	93.3	41.4	10.56	10.6-176.1	-	-
Potassium	mEq/L	ISE Direct	61	5.8	0.3	0.05	5.1-6.4	5.8	0.0
Protein (Total) @	g/dl	Biuret, reagent blank, end point	34	4.7	0.5	0.11	3.6-5.7	-	-
Sodium	mEq/L	ISE Direct	62	154.1	4.7	0.75	144.7-163.6	152	-0.4
SGPT/ALT @	U/L	UV without PSP	33	123.3	10.7	2.33	101.9-144.7	-	-
SGOT/AST @	U/L	UV without PSP	33	124.1	9.5	2.07	105.2-143.0	-	-
Triglyceride @	mg/dL	Enzymatic, end point	37	252.5	13.8	2.84	224.9-280.2	-	-
Urea @	mg/dL	Urease, UV	44	115.0	10.3	1.94	94.3-135.6	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	58	9.1	0.8	0.13	7.5-10.7	7.5	-2.0

#### 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	(\$)Reported in other Unit
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Chief Coordinator

*Dr. Sanjay Mehrotra*  
Dr. Sanjay Mehrotra

Checked By:

Prepared by: SM

Programme Director

*Dr. Bandana Mehrotra*  
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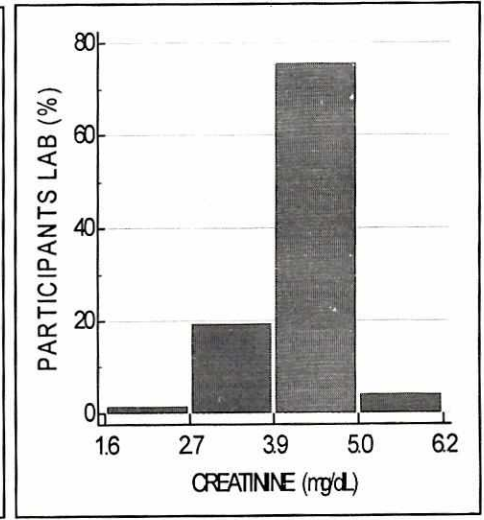
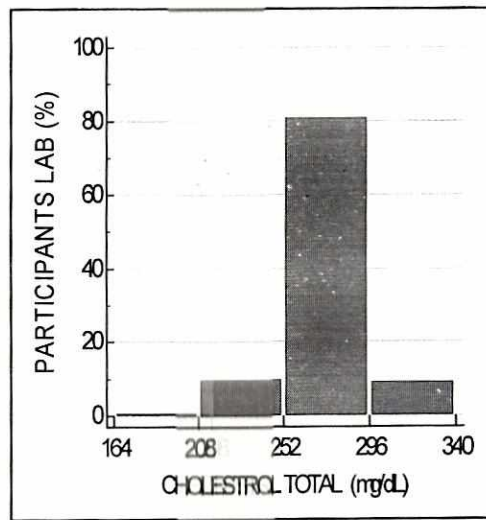
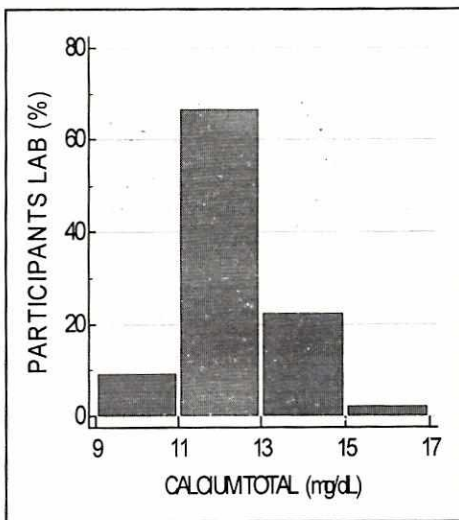
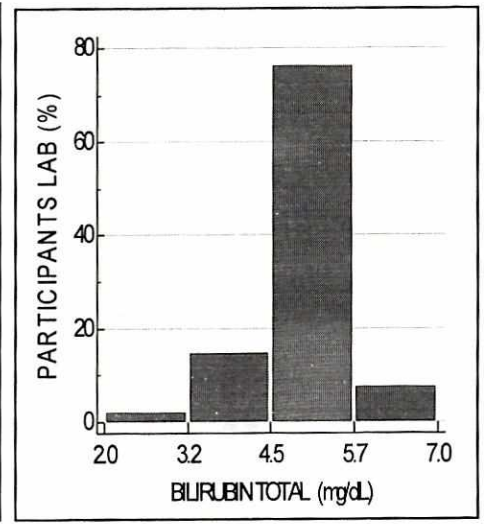
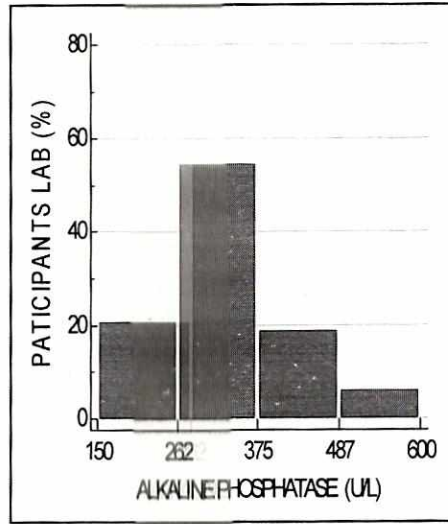
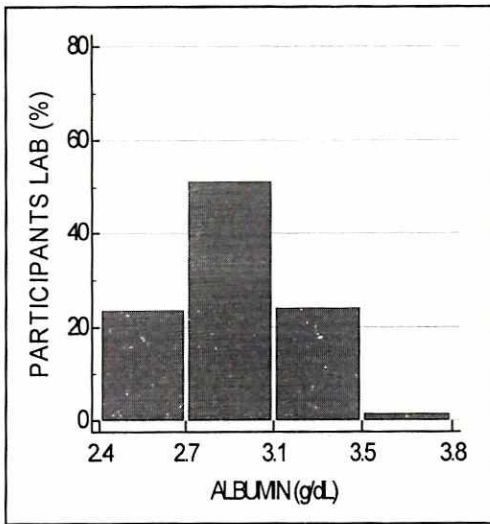
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**BIO-CHEMISTRY**  
**GRAPHICAL REPORT**

**Cycle - 11/2022**  
**Round-8**

**Date:07/09/2022**

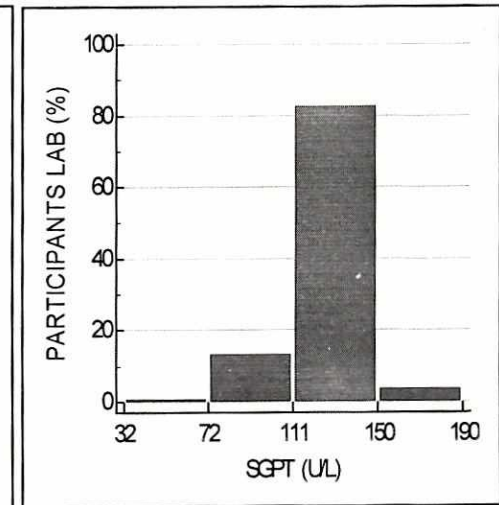
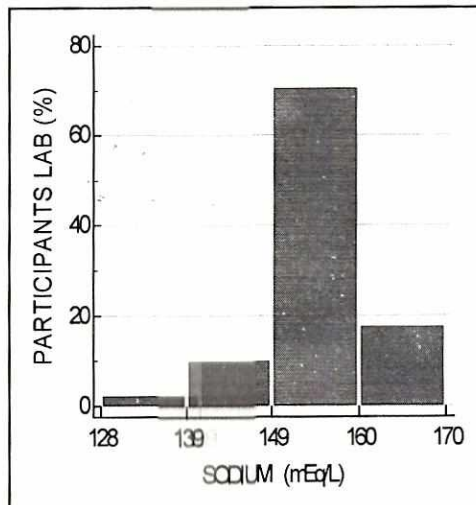
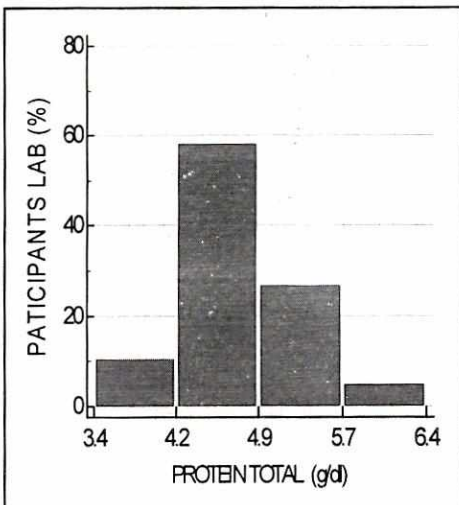
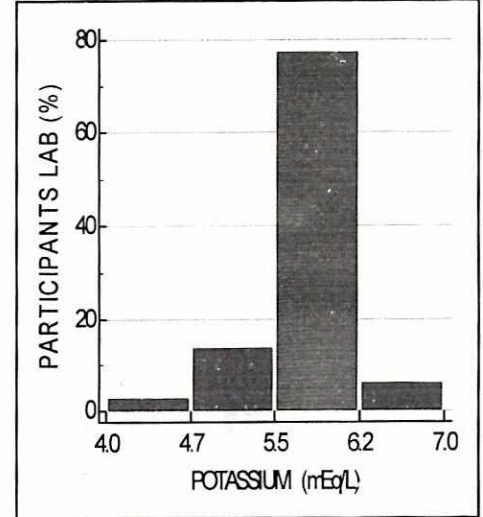
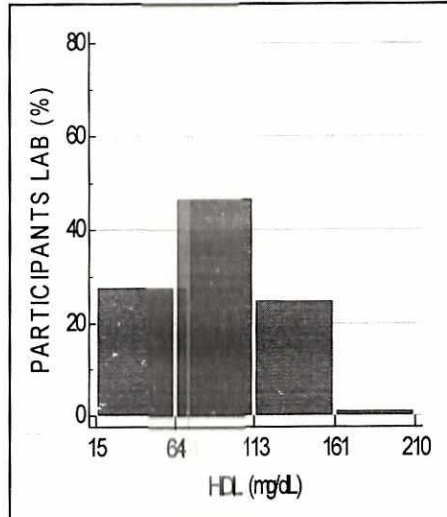
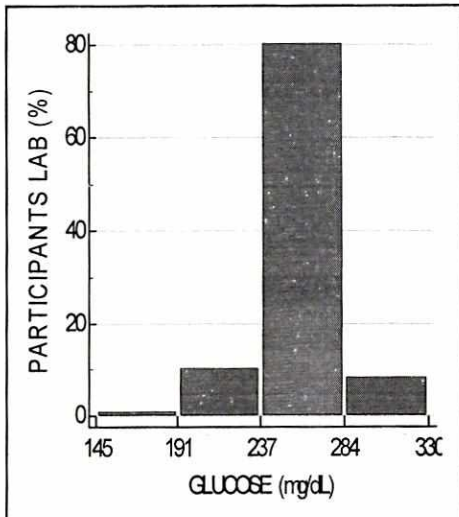


## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round-8

Date:07/09/2022





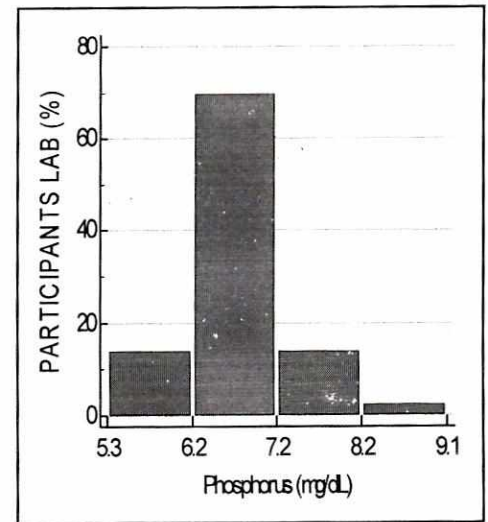
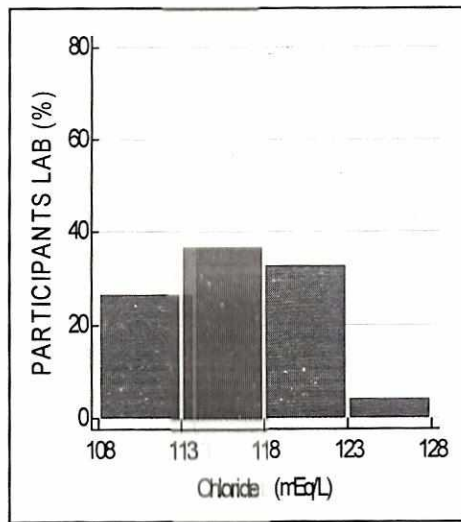
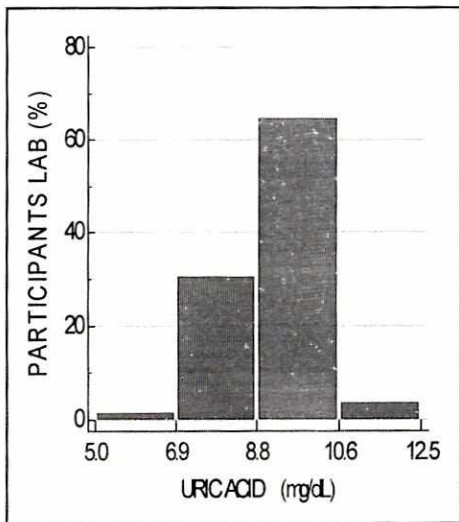
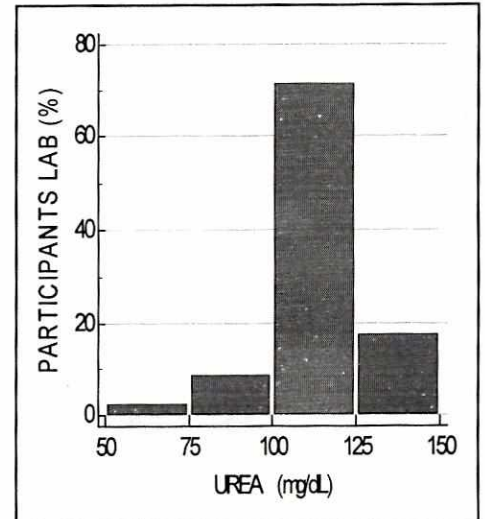
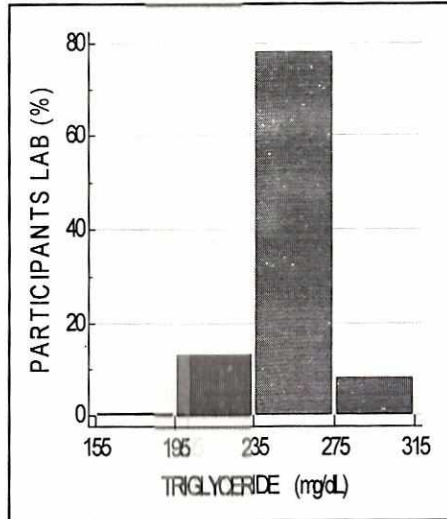
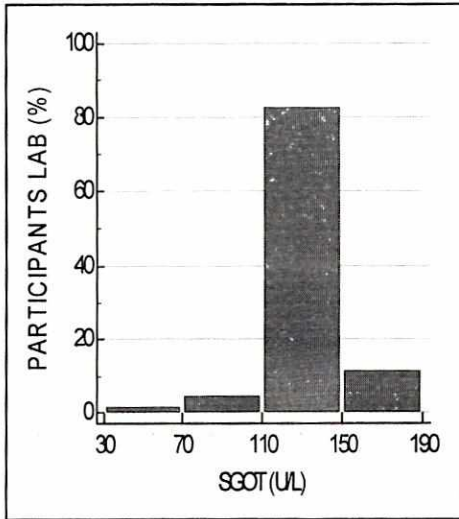
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**BIO-CHEMISTRY**  
**GRAPHICAL REPORT**

Cycle - 11/2022  
Round-8

Date:07/09/2022



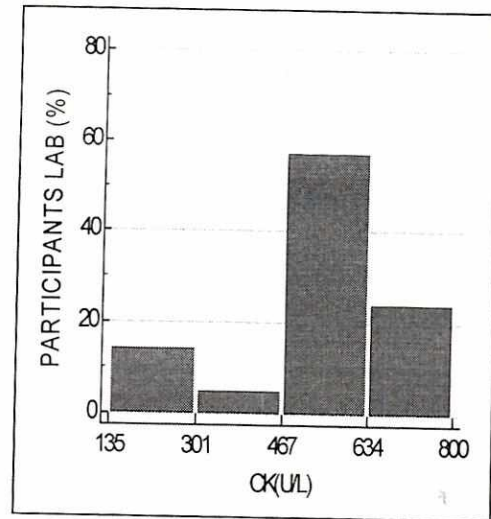
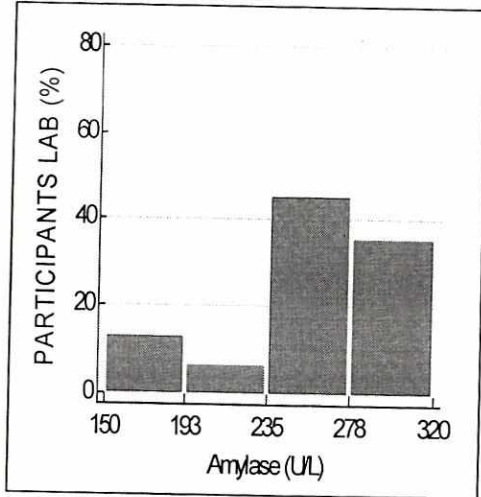
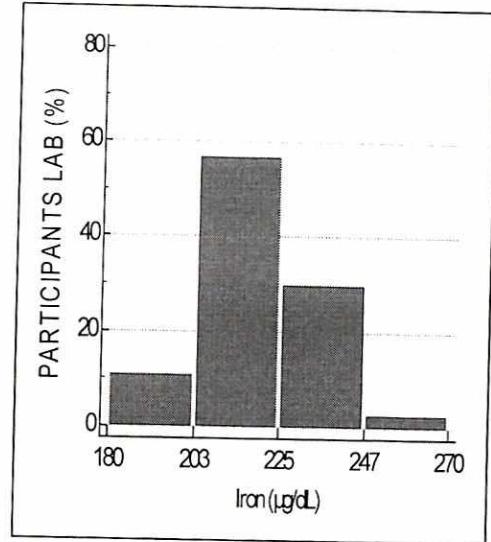
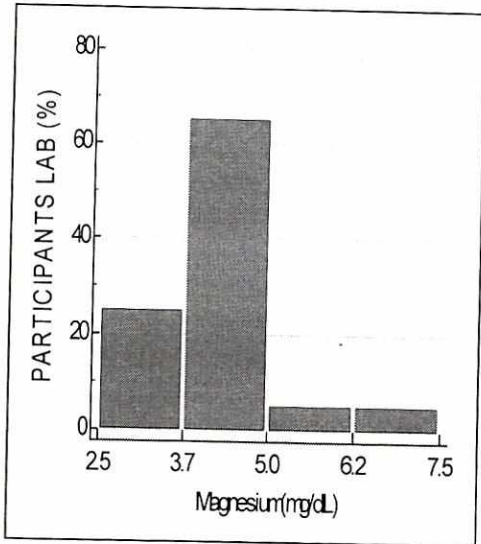
## BIO-CHEMISTRY

### GRAPHICAL REPORT

Cycle - 11/2022

Round-8

Date:07/09/2022





### Biochemistry

#### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022  
Round No -8

Date: 07/09/2022

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	259	221	9	199	9	13
Alkaline Phosphatase	259	213	4	193	13	7
Bilirubin Total	259	221	4	201	7	13
Calcium(Total)	259	193	11	163	9	21
Cholesterol (Total)	259	216	11	191	9	16
Creatinine	259	225	2	199	12	14
Glucose	259	226	7	199	13	14
HDL	259	206	4	198	2	6
Potassium	259	184	4	163	4	17
Protien (Total)	259	217	9	191	11	15
Sodium	259	184	4	168	6	10
SGPT/ALT	259	221	6	196	11	14
SGOT/AST	259	221	6	193	13	15
Triglyceride	259	216	7	184	17	15
Urea	259	224	6	197	9	18
Uric Acid	259	221	8	200	6	15

\*\*End of Report\*\*

