



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 2432

Cycle - 11/2022  
Round No - 5

Date: 25/05/2022

Parameters	Units	No.of. Parti- cipants	Group Mean	Standard deviation (SD)	Uncertai nty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	193	2.9	0.2	0.02	2.5-3.3	2.8	-0.5
Alkaline Phosphatase	U/L	184	315.9	81.2	7.48	153.6-478.3	403	1.1
Bilirubin Total	mg/dL	192	5.0	0.6	0.05	3.9-6.1	5.2	0.3
Calcium(Total)	mg/dL	169	12.1	1.0	0.10	10.1-14.2	12.1	0.0
Cholesterol (Total)	mg/dL	187	270.1	14.0	1.28	242.1-298.2	246	-1.7
Creatinine	mg/dL	195	4.2	0.4	0.04	3.5-5.0	4.1	-0.3
Glucose	mg/dL	196	262.0	15.8	1.41	230.4-293.6	238	-1.5
HDL	mg/dL	177	91.2	29.7	2.79	31.7-150.7	46.1	-1.5
Potassium	mEq/L	164	5.8	0.3	0.03	5.2-6.4	*3.9	-6.3
Protein (Total)	g/dl	188	4.7	0.5	0.05	3.8-5.6	5.2	1.0
Sodium	mEq/L	165	154.2	5.3	0.52	143.5-164.8	136	-3.4
SGPT/ALT	U/L	191	121.9	14.1	1.28	93.8-150.0	130	0.6
SGOT/AST	U/L	192	132.1	13.7	1.24	104.8-159.5	148	1.2
Triglyceride	mg/dL	187	251.6	15.8	1.44	220.1-283.2	251	0.0
Urea	mg/dL	194	115.7	10.5	0.94	94.8-136.7	110	-0.5
Uric Acid	mg/dl	192	9.0	0.9	0.08	7.3-10.8	10.1	1.2

### 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: SV

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 - 5

Date: 25/05/2022

Lab Code: 2432

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	Bromocresal Green (BCG)	80	2.9	0.2	0.03	2.5-3.3	-	-
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	48	311.2	76.3	13.77	158.6-463.8	-	-
Bilirubin Total	mg/dL	Diazonium Ion	46	4.9	0.4	0.07	4.1-5.8	-	-
Calcium(Total)	mg/dL	Arsenazo III	42	12.1	1.3	0.25	9.6-14.6	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	56	274.0	14.2	2.37	245.5-302.4	-	-
Creatinine	mg/dL	Enzymatic	31	4.4	0.3	0.07	3.8-5.0	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	38	266.7	12.6	2.55	241.4-291.9	-	-
HDL	mg/dL	Direct measure-PEG	21	96.8	37.9	10.34	21.0-172.7	-	-
Potassium	mEq/L	ISE Direct	52	5.8	0.3	0.05	5.2-6.4	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	25	4.5	0.3	0.08	4.0-5.1	-	-
Sodium	mEq/L	ISE Direct	54	154.5	5.4	0.92	143.8-165.2	-	-
SGPT/ALT	U/L	UV without PSP	30	120.3	16.3	3.72	87.7-152.9	-	-
SGOT/AST	U/L	UV without PSP	30	128.5	9.5	2.17	109.5-147.6	-	-
Triglyceride	mg/dL	Enzymatic, end point	31	249.8	15.6	3.50	218.6-280.9	-	-
Urea	mg/dL	Urease, UV	44	117.3	10.9	2.05	95.5-139.1	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	54	9.1	0.9	0.15	7.3-10.9	-	-

### 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

Checked By:

Prepared by: SV

Programme Director

Dr.Bandana Mehrotra

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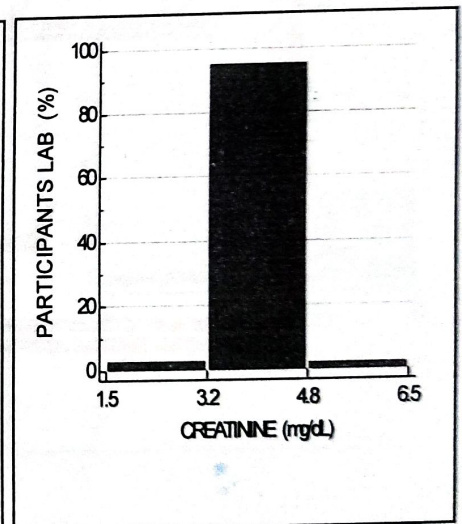
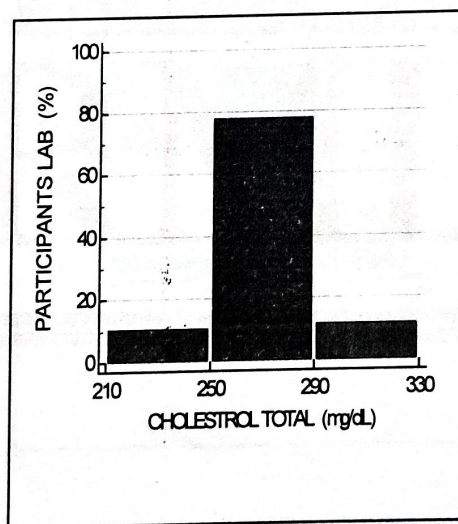
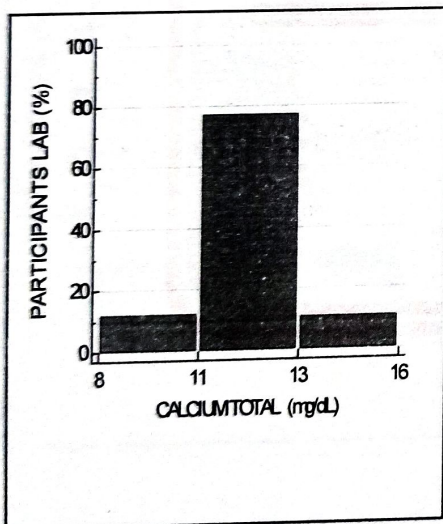
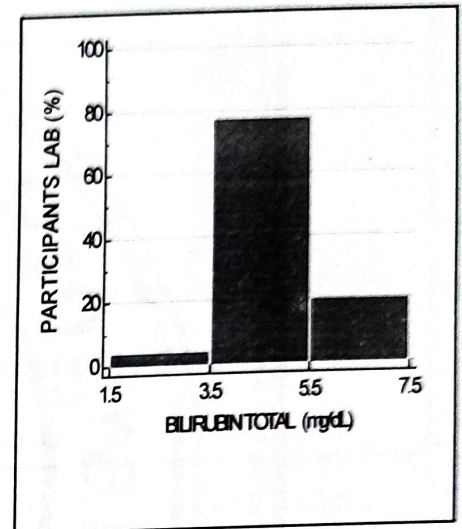
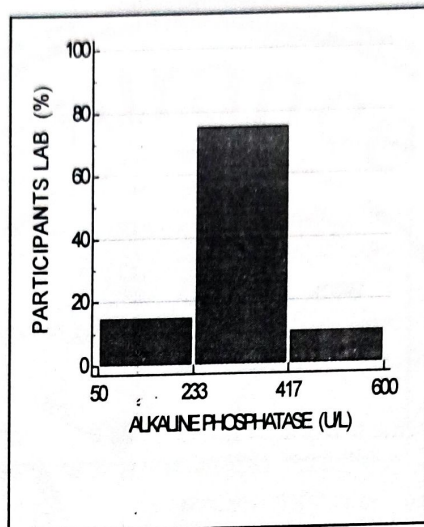
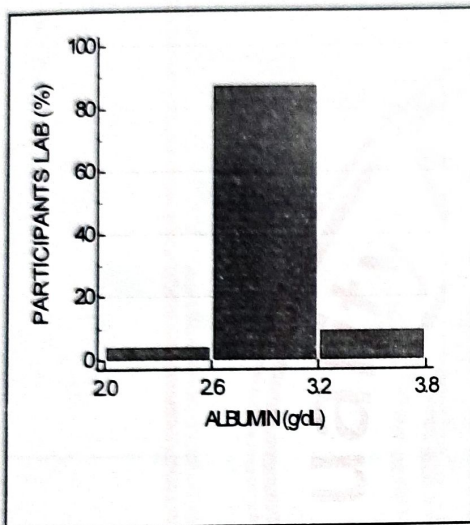
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**BIO-CHEMISTRY**  
**GRAPHICAL REPORT**

Cycle - 11/2022  
Round-5

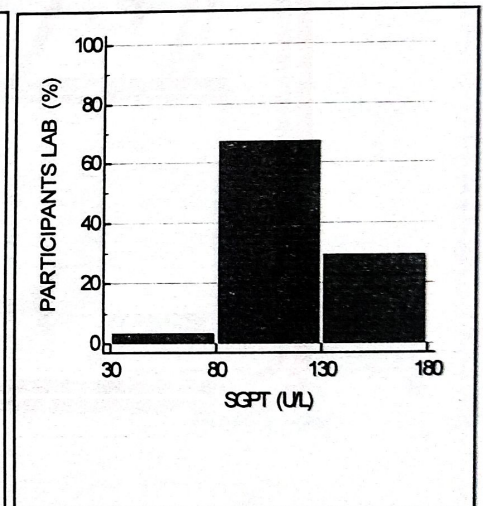
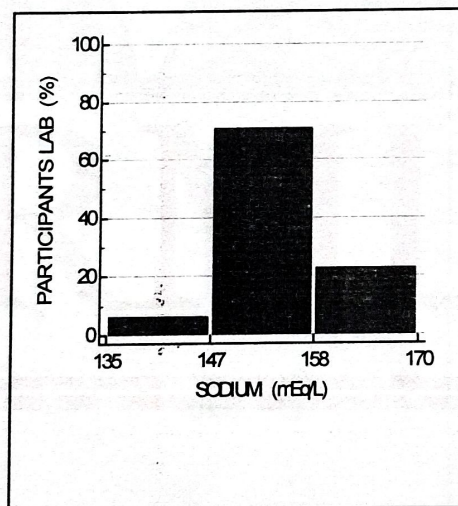
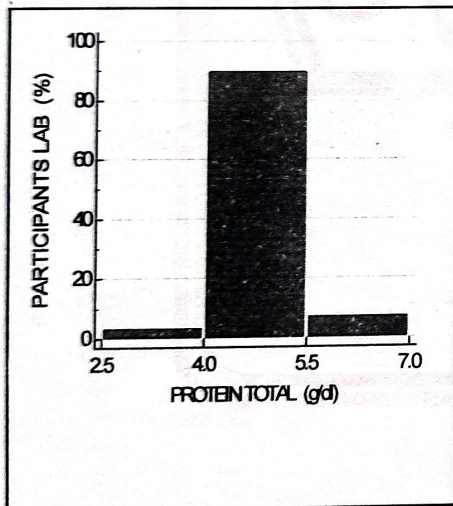
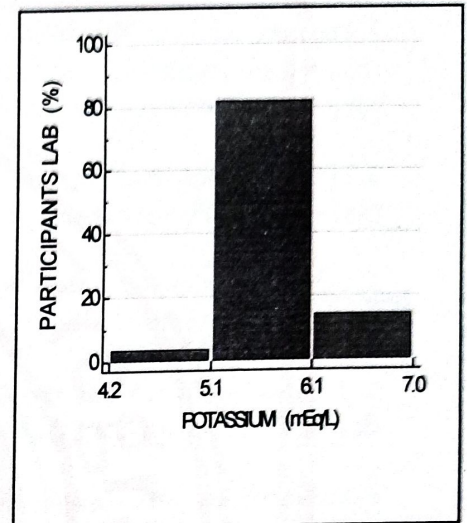
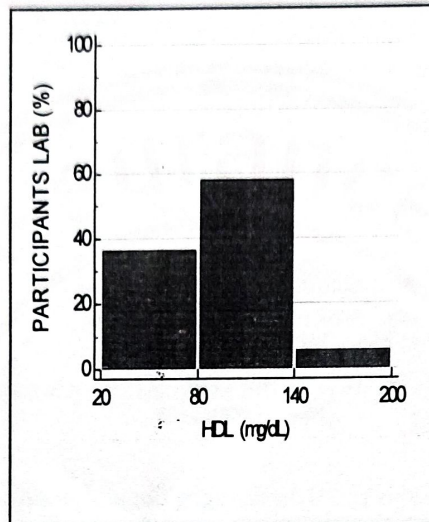
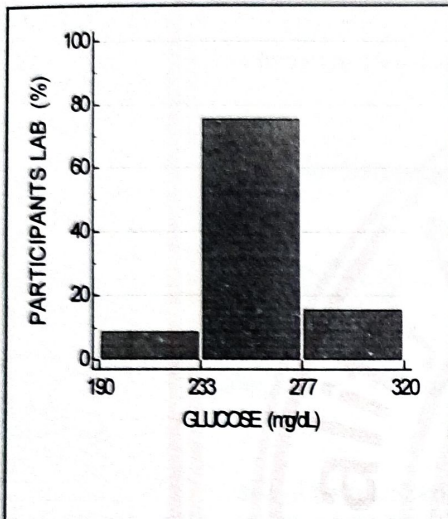
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## BIO-CHEMISTRY GRAPHICAL REPORT

Cycle - 11/2022  
Round-5

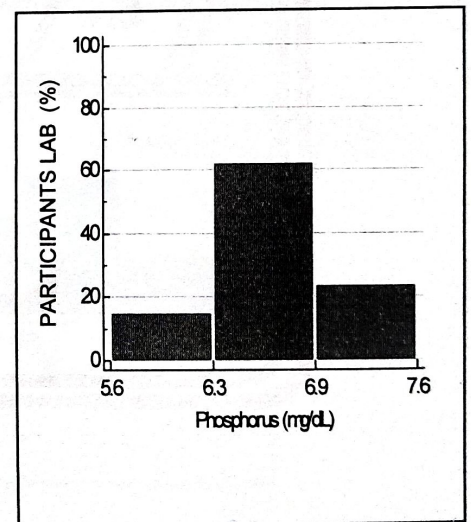
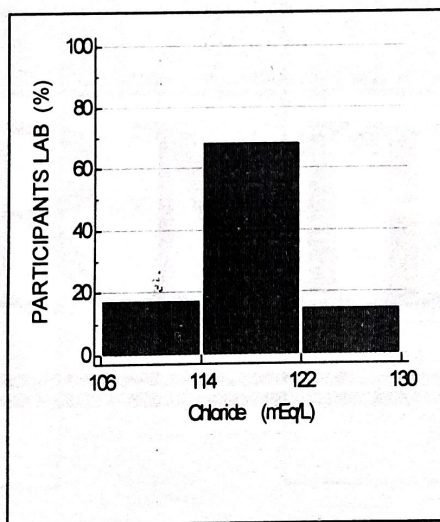
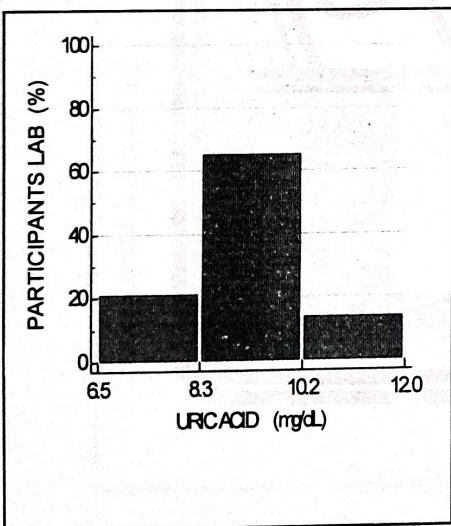
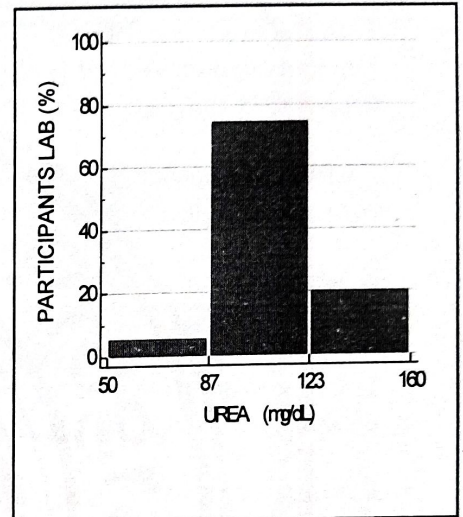
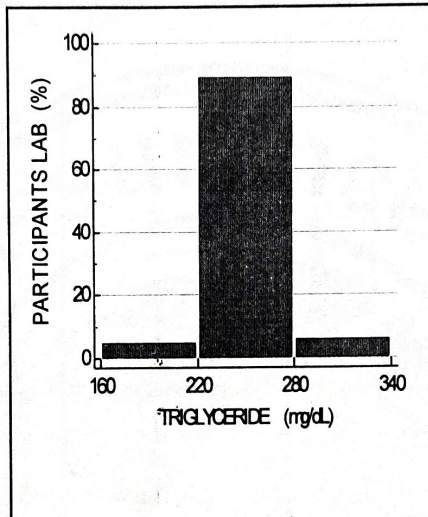
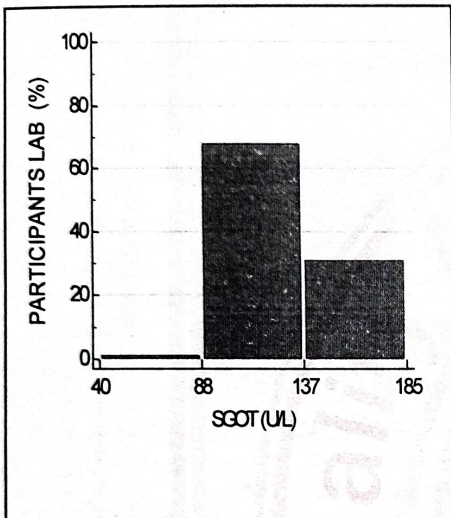
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**BIO-CHEMISTRY**  
**GRAPHICAL REPORT**

Cycle - 11/2022  
Round-5

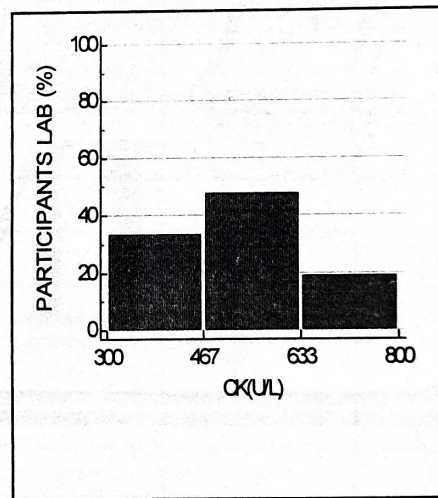
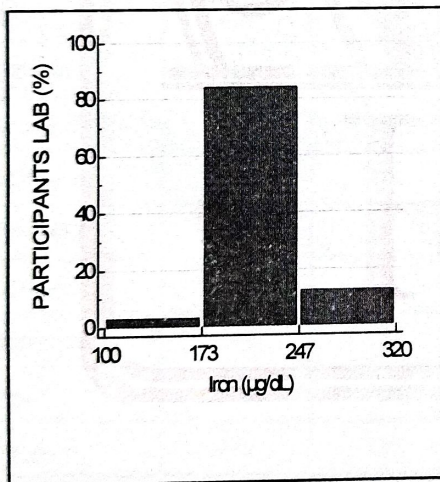
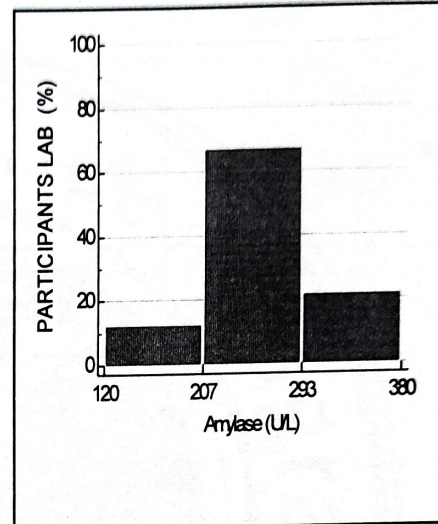
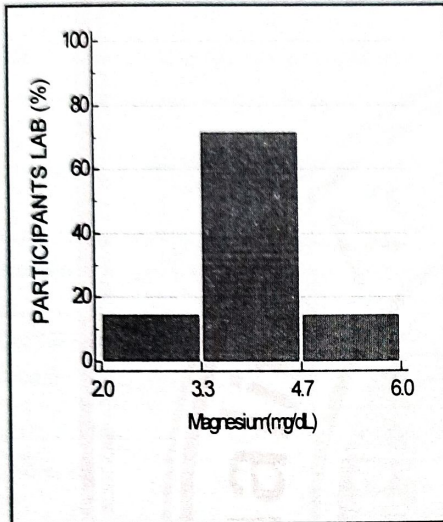
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**BIO-CHEMISTRY**  
**GRAPHICAL REPORT**

Cycle - 11/2022  
Round-5

Date:25/05/2022





## Biochemistry

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -5

Date: 25/05/2022

**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	225	193	10	175	2	16
Alkaline Phosphatase	225	184	0	176	8	0
Bilirubin Total	225	192	7	175	6	11
Calcium(Total)	225	169	10	143	12	14
Cholesterol (Total)	225	187	7	159	17	11
Creatinine	225	195	14	168	9	18
Glucose	225	196	4	173	13	10
HDL	225	177	4	169	4	4
Potassium	225	164	4	151	5	8
Protien (Total)	225	188	4	171	8	9
Sodium	225	165	3	155	5	5
SGPT/ALT	225	191	0	177	6	8
SGOT/AST	225	192	1	173	15	4
Triglyceride	225	187	3	168	9	10
Urea	225	194	5	169	8	17
Uric Acid	225	192	3	181	7	4

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

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