

SHREE DIAGNOSTIC CENTRE

External Quality Assurance Program Evaluation Form

Discipline : Biochemistry

EQAS :RML

Month : JUNE-2022

Sample No : 06

Date	Test / Parameters	Sample Details	Date of run	Report Received on	Findings / Zscore	Corrective Action	QM/LD Remarks
23-06-2022	ALB	Serum	10-06-2022	23-06-2022	All Parameters are within ZSCORE (2.0)	NA	Results are satisfactory.
	ALK						
	BILI T						
	CALCIUM						
	CHOL -T						
	CREAT						
	GLUCOSE						
	HDL CHOLESTEROL						
	POTASSIUM						
	PROTEIN						
	SODIUM						
	ALT						
	AST						
	TRIGLYCERIDE						
UREA							
URIC ACID							
CHLORIDE							
PHOSPHROUS							
FORM NO: 12	FORM NAME : EQAS EVALUTION FORM-BIO				FM/EQAS-EVAL-BIO/QM/12		
ISSUE NO: 01	ISSUE DATE: 01/07/2020				ISSUE BY : QM		
AMMEND NO :00	AMMEND DATE : 00				APPROVED BY : LD		

Saleh
DONE BY

Auto
QUALITY MANAGER



PARTICIPANT ASSESSMENT REPORT

CYCLE - 11

JAN 2022 - DEC 2022

Provider

RML - QAP (Quality Assurance Program)
Under RML Research Foundation
B-171, Nirala Nagar,
Lucknow
India

Coordinator

Dr. Sanjay Mehrotra
Dr. Supriya Mehrotra/Mr. Jaimit Singh

Enclosed Reports :

- All Method Report
- Method Wise Participant Report
- Graphical Report
- Participants Complete Data Report

Contact us :-

Tel:- 0522-2788444, 2788666, 4034100,4077180, 7518077222

Email-id:- rmlresearchfoundation@gmail.com
Website:- www.rmlpathology.com


QUALITY MANAGER



Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence

BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 2359

Cycle - 11/2022
Round No - 6

Date: 23/06/2022

Parameters	Units	No.of. Parti- cipants	Group Mean	Standard deviation (SD)	Uncertai nty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	201	2.9	0.2	0.02	2.5-3.3	2.9	0.0
Alkaline Phosphatase	U/L	193	314.8	71.3	6.41	172.3-457.3	328	0.2
Bilirubin Total	mg/dL	201	5.0	0.5	0.05	3.9-6.0	5.4	0.9
Calcium(Total)	mg/dL	176	12.1	1.0	0.09	10.2-14.0	12.5	0.5
Cholesterol (Total)	mg/dL	197	270.9	16.1	1.44	238.7-303.2	267	-0.2
Creatinine	mg/dL	206	4.2	0.4	0.04	3.4-5.0	4.4	0.5
Glucose	mg/dL	208	264.8	16.2	1.40	232.4-297.1	253	-0.7
HDL	mg/dL	188	90.8	31.2	2.84	28.5-153.1	126.3	1.1
Potassium	mEq/L	173	5.8	0.3	0.03	5.2-6.4	5.8	0.0
Protein (Total)	g/dl	198	4.7	0.4	0.04	3.8-5.5	5.2	1.3
Sodium	mEq/L	172	155.3	5.3	0.51	144.7-165.9	152	-0.6
SGPT/ALT	U/L	204	120.8	14.2	1.24	92.5-149.2	136	1.1
SGOT/AST	U/L	204	130.6	14.9	1.31	100.7-160.4	121	-0.6
Triglyceride	mg/dL	197	250.3	17.6	1.57	215.0-285.6	244	-0.4
Urea	mg/dL	204	115.1	10.9	0.95	93.3-136.9	105	-0.9
Uric Acid	mg/dl	203	9.1	0.8	0.07	7.5-10.7	8.6	-0.6

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
---------	-------------------------	------------------	----------------	-----------------

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

Page 1 of 7

QUALITY MANAGER



Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence

BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 11/2022
Round No - 6

Date: 23/06/2022

Lab Code: 2359

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 (± 2 SD)	Your Value	Method Wise Standard Deviation Index (SDI)
Albumin	g/dL	Bromcresal Green (BCG)	82	2.9	0.2	0.03	2.5-3.3	2.9	-0.1
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	52	307.9	63.5	11.01	180.8-435.0	328	0.3
Bilirubin Total @	mg/dL	Diazonium Ion	45	4.9	0.5	0.09	3.9-5.8	-	-
Calcium(Total)	mg/dL	Arsenazo iii	42	11.5	1.3	0.24	9.0-14.0	12.5	0.8
Cholesterol (Total)@	mg/dL	Cholesterol Oxidase,esterase, peroxidase	55	274.2	16.1	2.71	242.1-306.3	-	-
Creatinine	mg/dL	Enzymatic	32	4.3	0.4	0.08	3.6-5.0	4.4	0.3
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	38	269.3	17.8	3.60	233.8-304.8	253	-0.9
HDL @	mg/dL	Direct measure-PEG	23	99.6	36.0	9.38	27.7-171.6	-	-
Potassium	mEq/L	ISE Direct	55	5.8	0.3	0.06	5.1-6.5	5.8	-0.1
Protein (Total)	g/dl	Biuret, reagent blank, end point	28	4.8	0.6	0.13	3.6-3.9	5.2	0.8
Sodium	mEq/L	ISE Direct	57	154.8	5.0	0.82	144.8-164.7	152	-0.6
SGPT/ALT	U/L	UV without P5P	31	121.0	15.2	3.42	90.6-151.5	136	1.0
SGOT/AST	U/L	UV without P5P	31	127.8	14.6	3.27	98.7-156.9	121	-0.5
Triglyceride @	mg/dL	Enzymatic, end point	33	252.5	17.0	3.70	218.5-286.6	-	-
Urea	mg/dL	Urease, UV	42	115.8	8.4	1.63	98.9-132.7	105	-1.3
Uric Acid @	mg/dl	Uricase, Colorimetric	54	9.1	0.7	0.12	7.6-10.5	-	-

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 Mean	(.) Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator

Dr.Sanjay Mehrotra

Checked BY:

Prepared by: SV

Programme Director

Dr.Bandana Mehrotra

Page 2 of 7

QUALITY MANAGER



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



Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax :(0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence

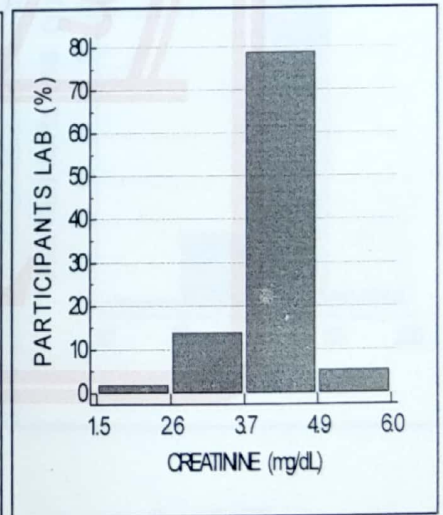
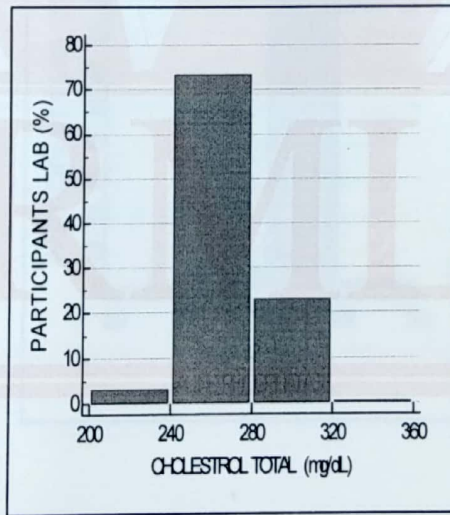
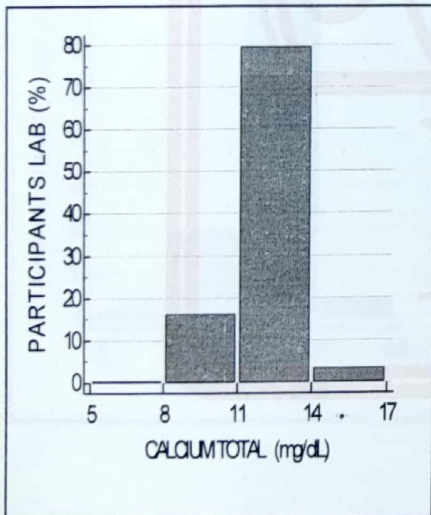
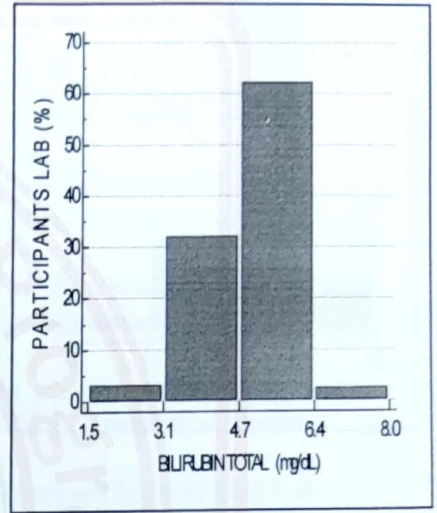
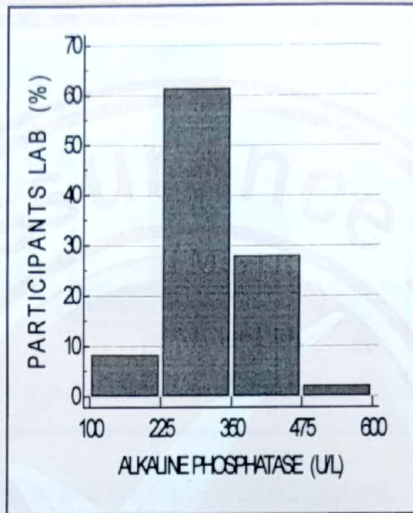
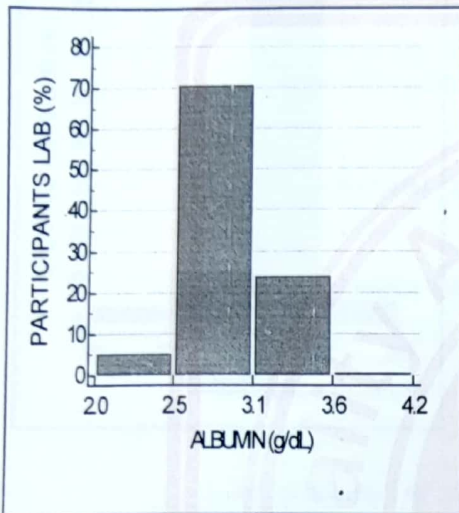


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-6

Date:23/06/2022



[Signature]
QUALITY MANAGER

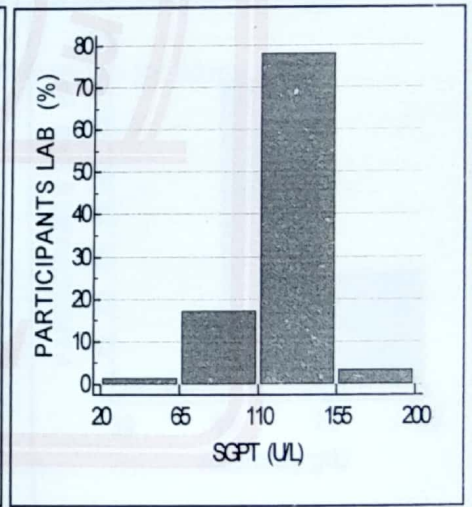
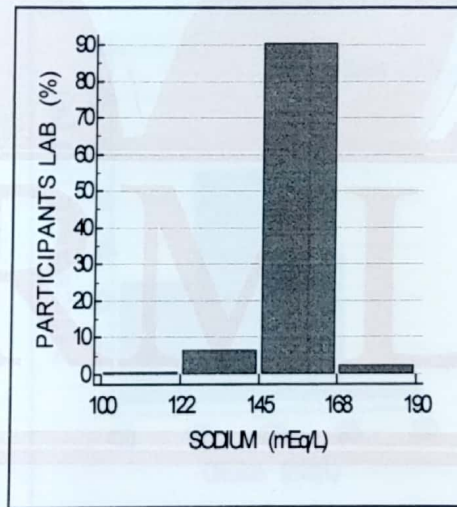
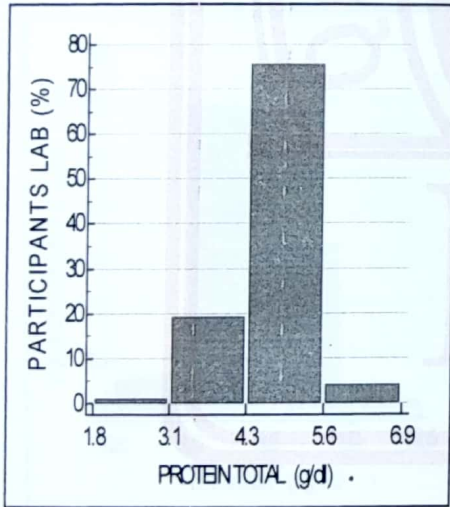
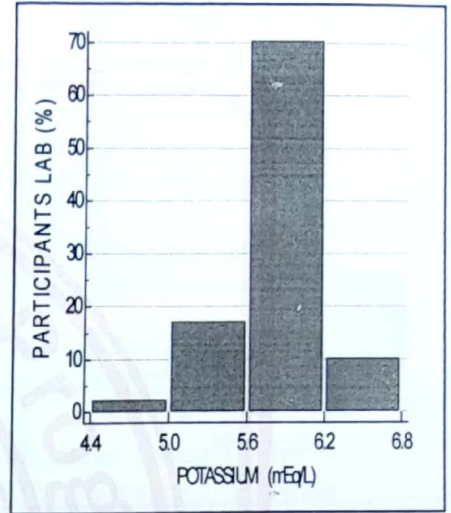
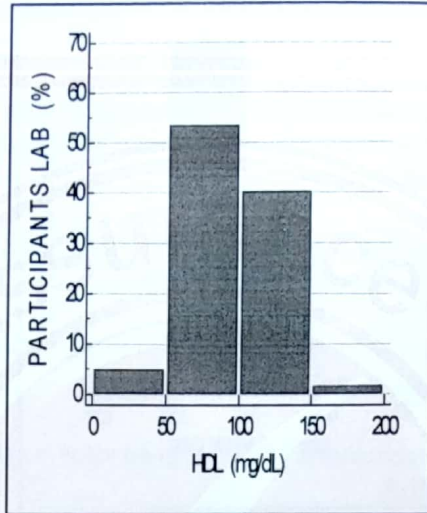
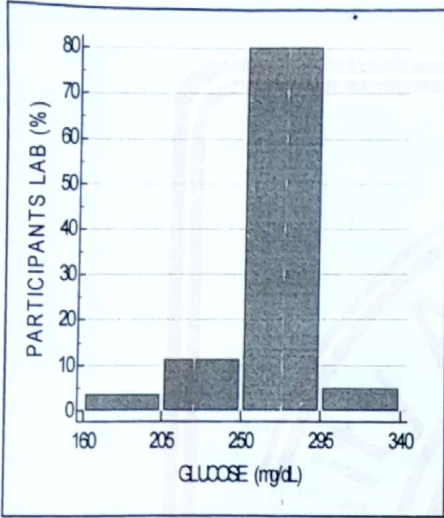


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-6

Date:23/06/2022



[Signature]
QUALITY MANAGER



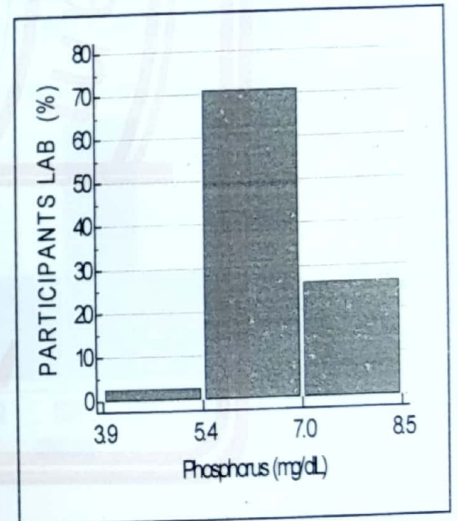
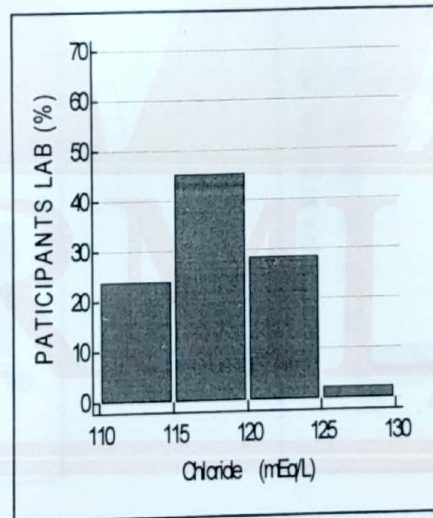
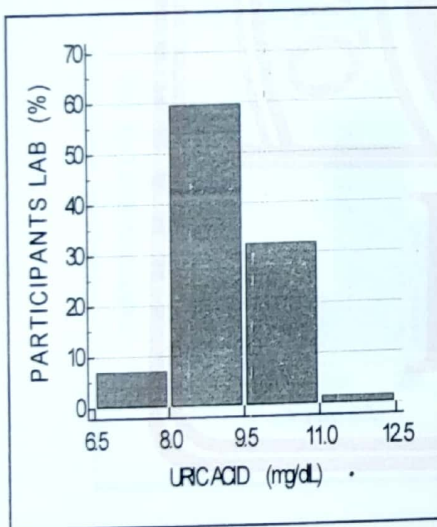
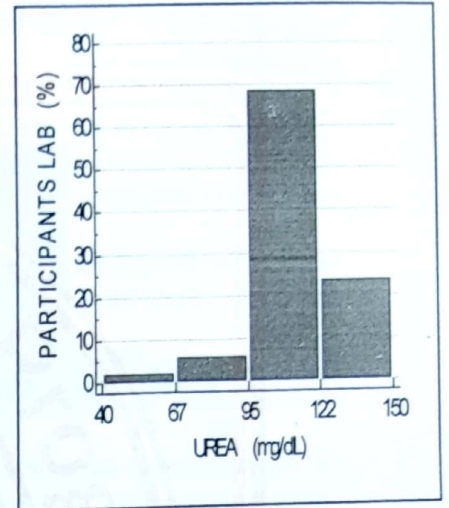
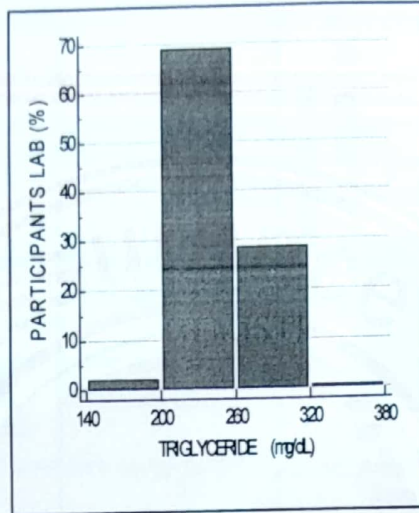
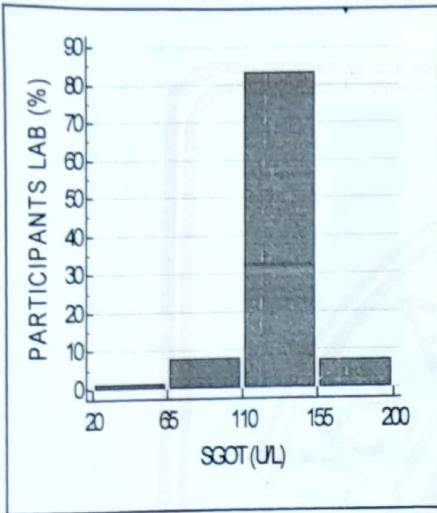


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-6

Date:23/06/2022



[Signature]
QUALITY MANAGER



Doc. No.: ASS / FR / 02 / R 00 / Dt.: 01.07.2012

Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com



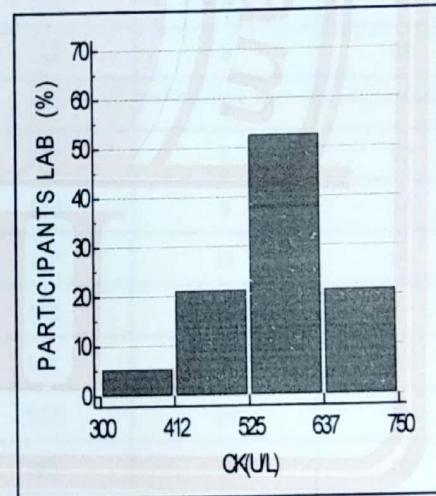
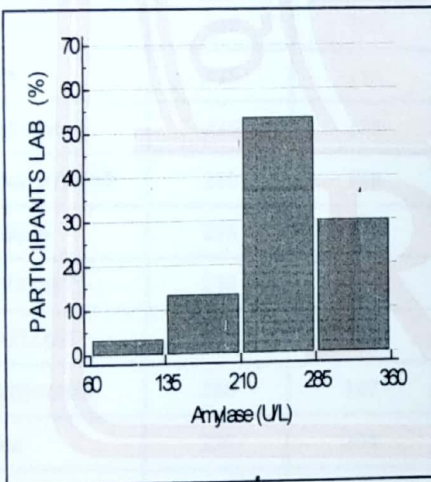
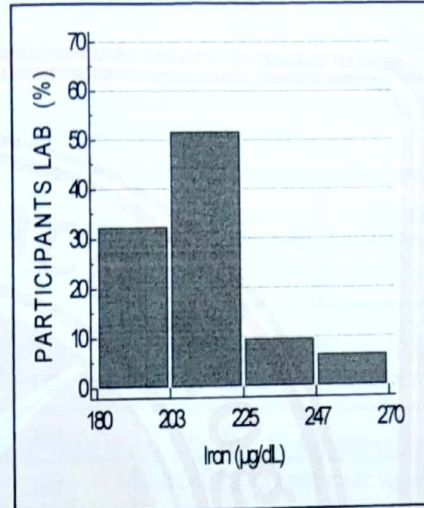
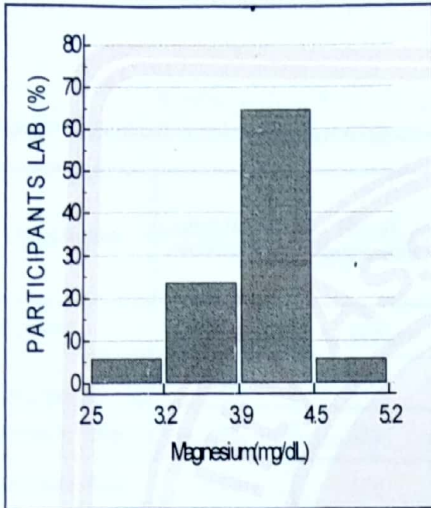
Continuous Efforts And Execution Leads To Quality Excellence

BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-6

Date:23/06/2022



[Signature]
QUALITY MANAGER



Doc. No.: ASS/FR/02/R00/Dt: 01.07.2012

Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax: (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence

Biochemistry

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -6

Date: 23/06/2022

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	236	201	4	187	7	7
Alkaline Phosphatase	236	193	1	180	10	3
Bilirubin Total	236	201	2	182	6	13
Calcium(Total)	236	176	10	149	14	13
Cholesterol (Total)	236	197	6	177	9	11
Creatinine	236	206	2	183	9	14
Glucose	236	208	5	185	9	14
HDL	236	188	1	182	3	3
Potassium	236	173	5	157	6	10
Protien (Total)	236	198	10	179	8	11
Sodium	236	172	8	147	11	14
SGPT/ALT	236	204	0	182	13	9
SGOT/AST	236	204	0	191	3	10
Triglyceride	236	197	3	177	10	10
Urea	236	204	1	186	8	10
Uric Acid	236	203	7	185	8	10

****End of Report****

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

[Signature]
QUALITY MANAGER



Page 7 of 7



Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence

RML - Quality Assurance Program (RML - QAP)



NABL
ISO/IEC 17043 : 2010
Accredited
PC-1001

Result Sheet

BIO-02

(Filled by Participant)

Lab Code No.

2359

(Filled by QAP Provider)

Cycle No.:11

Round No.:06

Last Date for Result Submission- 10-06-2022

Sample Testing Date: 10/6/2022

The lyophilized sample is being provided, Kindly process the following analytes.

Sr. No	Name of the Test	Result	Units	Method
1.	Albumin	2.9	g/dL	
2.	Alkaline Phosphatase	328	U/L	
3.	Bilirubin Total	5.4	mg/dL	
4.	Calcium (Total)	12.5	mg/dL	
5.	Cholesterol (Total)	267	mg/dL	
6.	Creatinine	4.4	mg/dL	
7.	Glucose	253	mg/dL	
8.	HDL	126.3	mg/dL	
9.	Potassium	5.8	mEq/L	
10.	Protein (Total)	5.2	g/dL	
11.	Sodium	152	mEq/L	
12.	SGPT/ALT	136	U/L	
13.	SGOT/AST	121	U/L	
14.	Triglyceride	244	mg/dL	
15.	Urea	105	mg/dL	
16.	Uric Acid	8.6	mg/dL	
17.	Chloride	112	mEq/L	
18.	Phosphorus	6.5	mg/dL	
19.	Magnesium	3.40	mg/dL	
20.	Iron	- - -	µg/dL	
21.	Amylase	218	U/L	
22.	CK	722	U/L	

Note:-

- It is mandatory to attach the machine printout along with the result.
- You are request to report the result only in above mentioned decimal point & units.
- You may also send your results through mail, to avoid any delay in result submission.

Handwritten signature
DONE BY **QUALITY MANAGER**



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

Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph: 4034100-130 (30 Lines), 4077180, 2788444 Fax: 405 2212788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

RML
Research Foundation

Continuous Efforts And Execution Leads To Quality Excellence