



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 :-

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Website:- www.rmlpathology.com





RML – Quality Assurance Program (RML – QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Cycle - 11/2022

Round No - 3

Lab Code: 1097

Date: 05/04/2022

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	155	2.9	0.2	0.02	2.5-3.3	2.5	-2.0
Alkaline Phosphatase	U/L	145	310.2	82.2	8.53	145.8-474.7	350	0.5
Bilirubin Total	mg/dL	156	5.0	0.6	0.06	3.9-6.1	4.9	-0.2
Calcium(Total)	mg/dL	132	12.1	1.0	0.11	10.1-14.0	11.8	-0.3
Cholesterol (Total)	mg/dL	152	273.7	16.1	1.63	241.5-306	261	-0.8
Creatinine	mg/dL	158	4.2	0.4	0.04	3.4-5.0	3.9	-0.8
Glucose	mg/dL	158	264.9	15.5	1.54	234.0-295.9	260	-0.3
HDL	mg/dL	143	96.2	33.9	3.54	28.4-164	93.0	-0.1
Potassium	mEq/L	134	5.8	0.3	0.03	5.1-6.4	5.7	-0.3
Protein (Total)	g/dl	154	4.7	0.4	0.04	3.8-5.5	4.2	-1.3
Sodium	mEq/L	134	154.5	5.1	0.55	144.2-164.8	151	-0.7
SGPT/ALT	U/L	155	121.4	13.4	1.35	94.5-148.2	118	-0.3
SGOT/AST	U/L	155	133.3	12.7	1.28	107.9-158.7	128	-0.4
Triglyceride	mg/dL	152	252.2	16.0	1.62	220.1-284.2	255	0.2
Urea	mg/dL	157	116.1	9.7	0.97	96.8-135.4	113	-0.3
Uric Acid	mg/dl	157	8.9	0.9	0.09	7.2-10.7	8.7	-0.2
Chloride	mEq/L	29	116.9	4.7	1.09	107.6-126.3	111	-1.3
Phosphorus	mg/dL	26	6.8	0.5	0.12	5.9-7.8	6.5	-0.6
Magnesium	mg/dl	17	3.8	1.0	0.30	1.8-5.8	3.90	0.1
Iron	µg/dL	21	208.4	14.9	4.06	178.6-238.1	207	-0.1
Amylase	U/L	27	255.5	52.2	12.56	151.2-359.9	260	0.1
CK	U/L	20	511.9	193.7	54.14	124.4-899.4	449	-0.3

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: SV

Programme Director

Dr.Bandana Mehrotra

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BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 11/2022

Round No - 3

Date: 05/04/2022

Lab Code: 1097

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)	75	2.9	0.2	0.03	2.5-3.3	2.5	-2.0
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	43	299.9	62.4	11.89	175.2-424.6	350	0.8
Bilirubin Total	mg/dL	Diazonium Ion	27	4.9	0.7	0.17	3.6-6.3	4.9	0.0
Calcium(Total)	mg/dL	Arsenazo III	38	12.1	0.9	0.18	10.4-13.9	11.8	-0.3
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	54	275.1	15.0	2.55	245.2-305.1	261	-0.9
Creatinine @	mg/dL	Enzymatic	27	4.4	0.4	0.10	3.7-5.1	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	30	268.3	15.4	3.51	237.4-299.2	260	-0.5
HDL @	mg/dL	Direct measure-PEG	24	102.3	36.5	9.31	29.2-175.3	-	-
Potassium	mEq/L	ISE Direct	48	5.8	0.3	0.05	5.2-6.5	5.7	-0.3
Protein (Total)	g/dl	Biuret, reagent blank, end point	23	4.7	0.6	0.16	3.5-5.8	4.2	-0.8
Sodium	mEq/L	ISE Direct	49	154.9	4.5	0.80	146.0-163.9	151	-0.9
SGPT/ALT @	U/L	UV without P5P	26	118.8	16.7	4.09	85.5-152.1	-	-
SGOT/AST @	U/L	UV without P5P	26	127.7	14.2	3.48	99.3-156.1	-	-
Triglyceride	mg/dL	Enzymatic, end point	29	251.5	10.9	2.53	229.7-273.4	255	0.3
Urea @	mg/dL	Urease, UV	38	116.8	7.9	1.60	101.1-132.5	-	-
Uric Acid	mg/dl	Uricase, Colorimetric	48	8.9	0.8	0.14	7.2-10.5	8.7	-0.3

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
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: PS

Programme Director

Dr.Bandana Mehrotra

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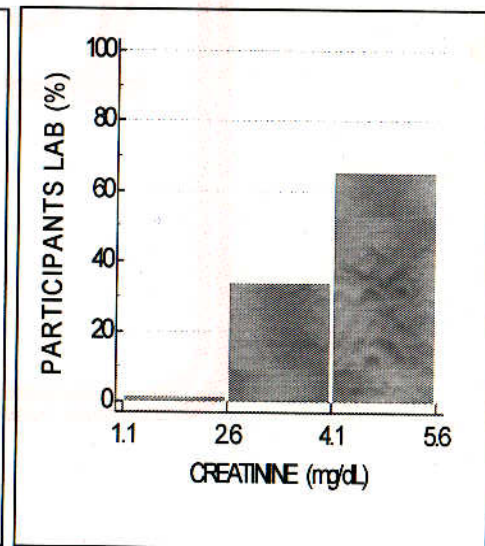
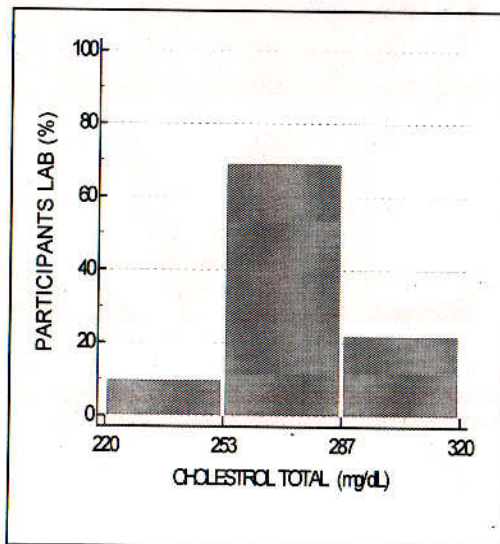
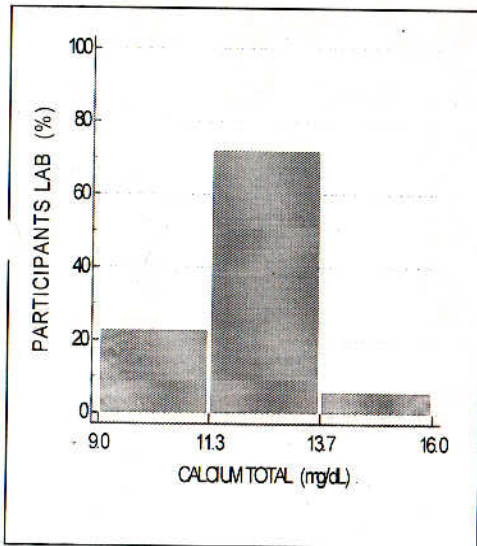
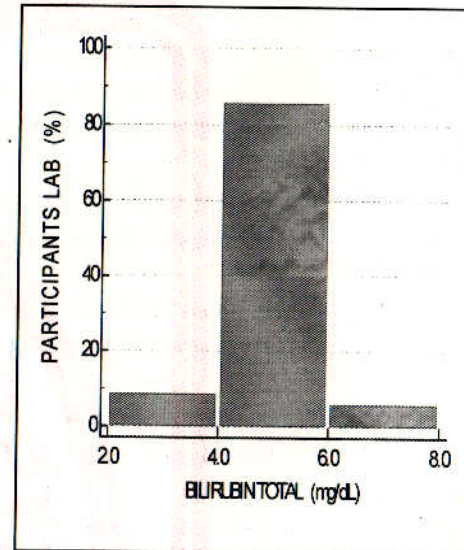
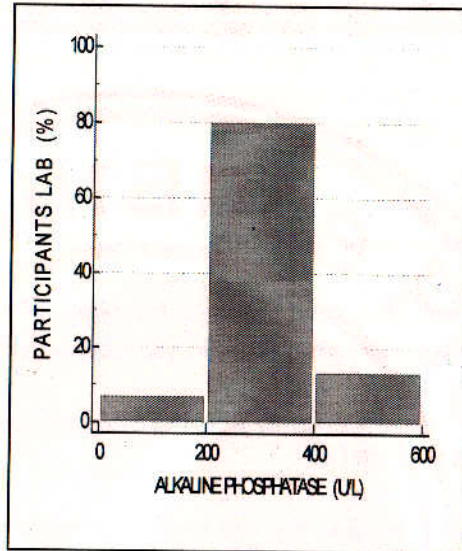
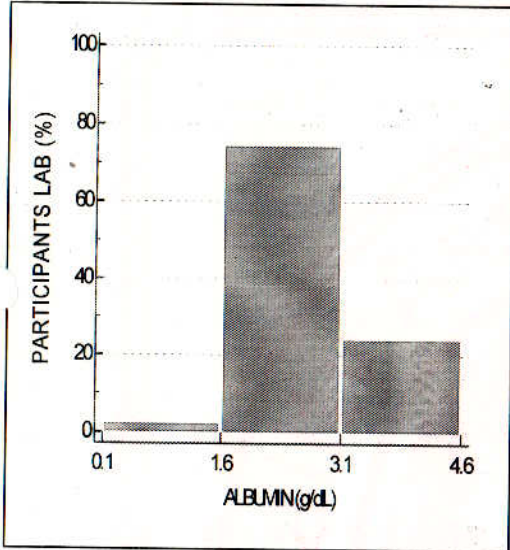


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-3

Date:05/04/2022

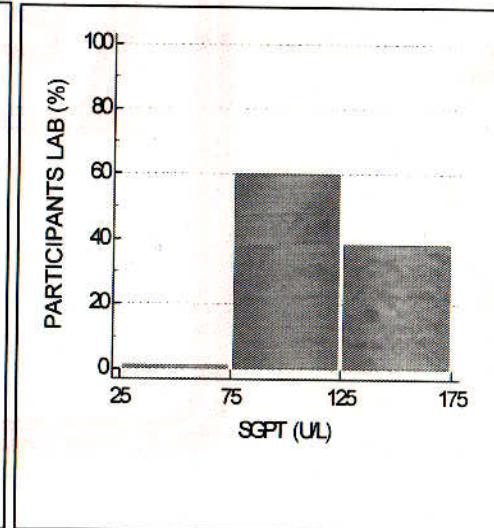
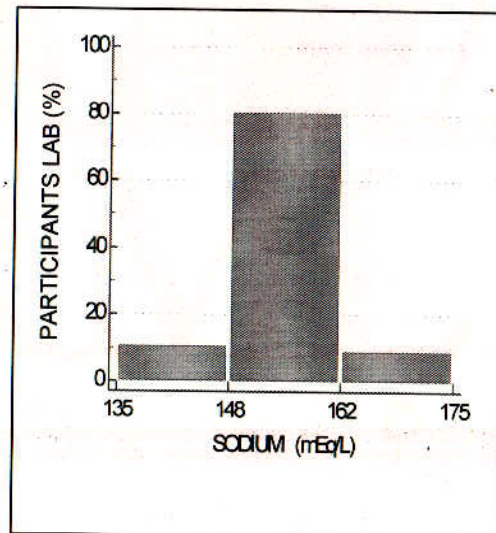
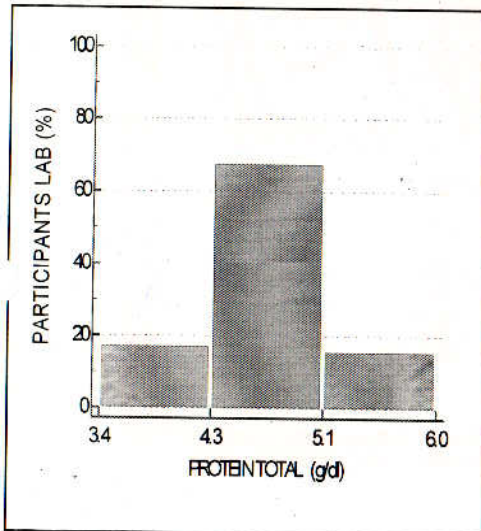
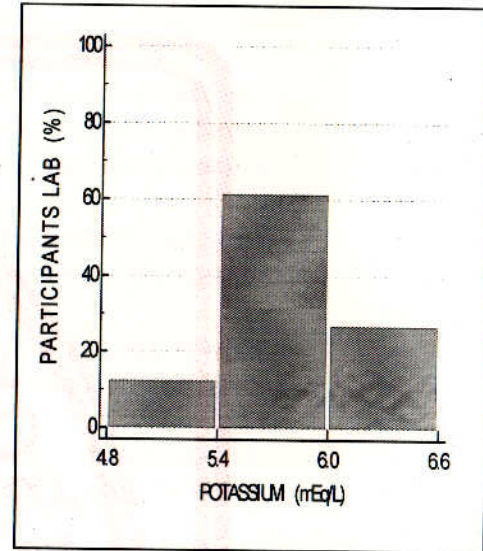
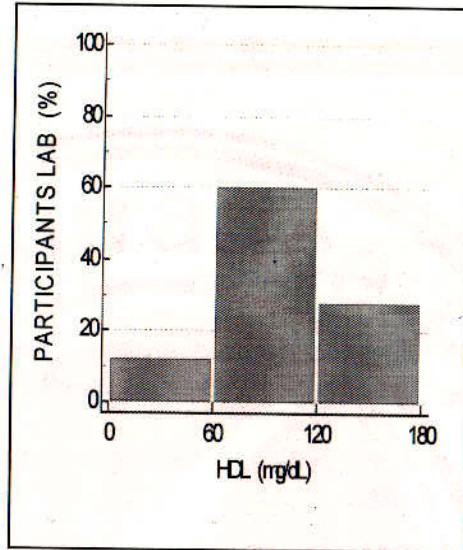
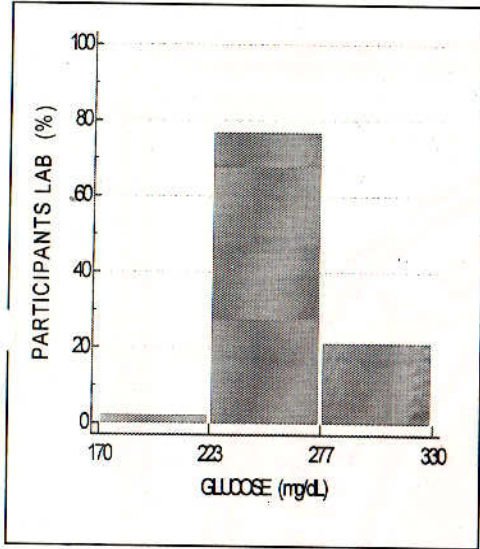


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-3

Date:05/04/2022

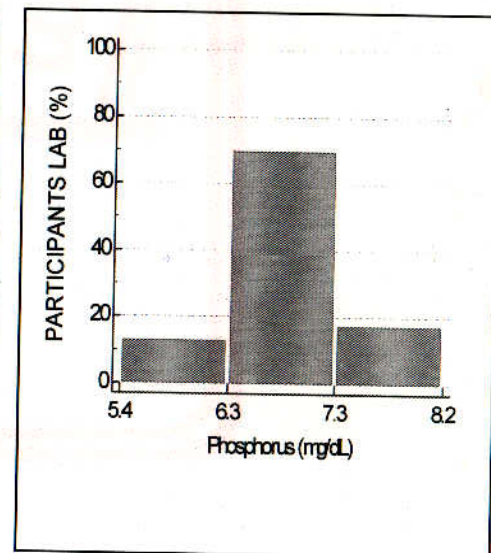
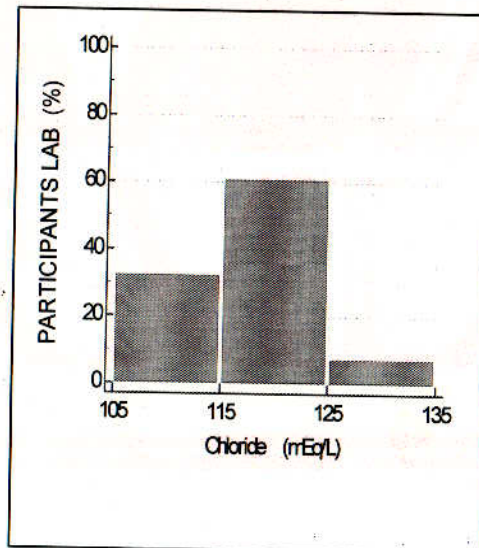
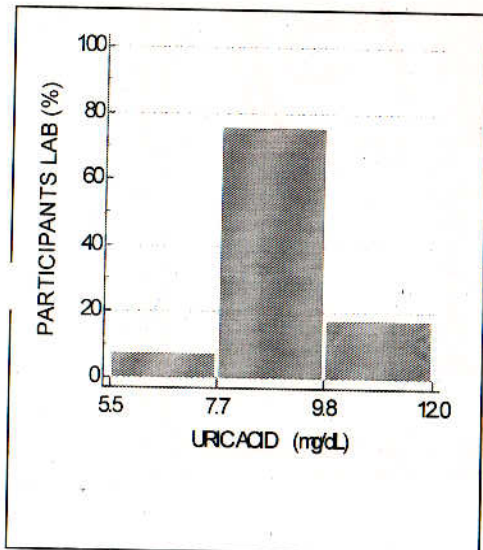
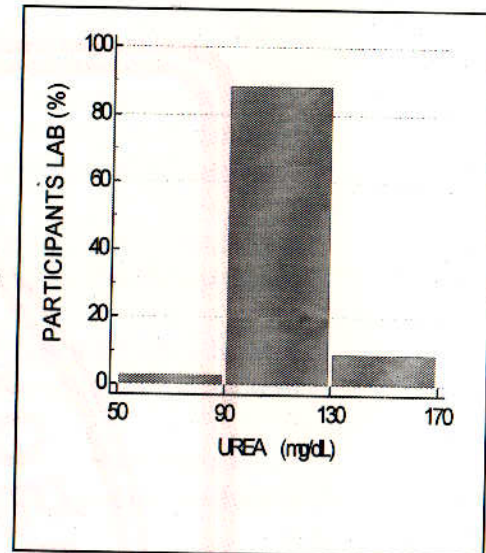
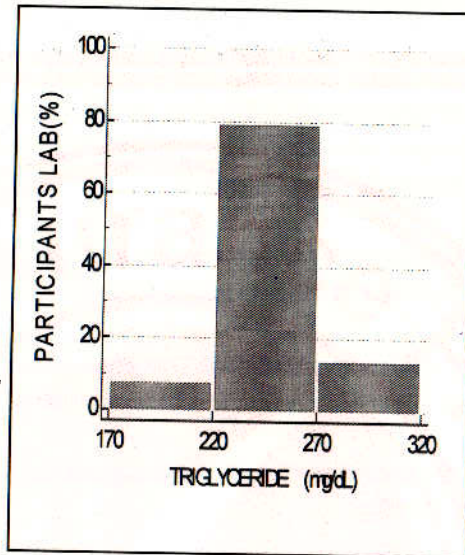
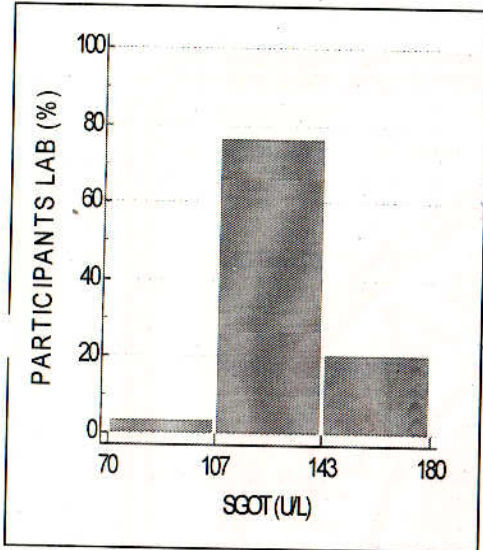


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GRAPHICAL REPORT

Cycle - 11/2022
Round-3

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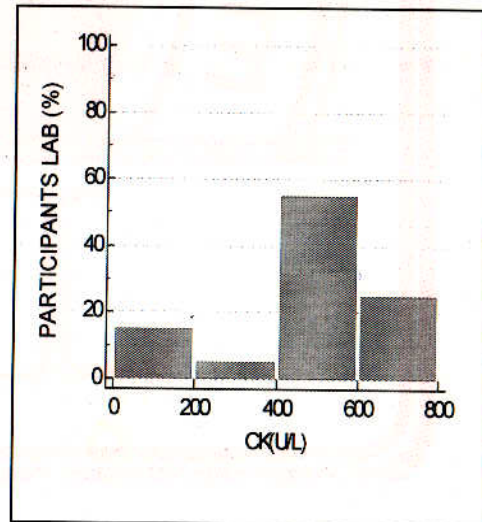
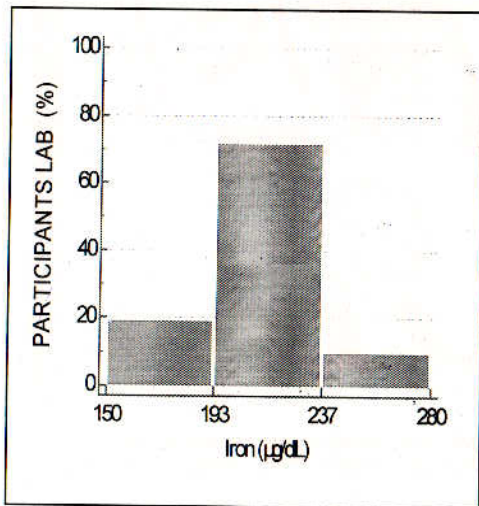
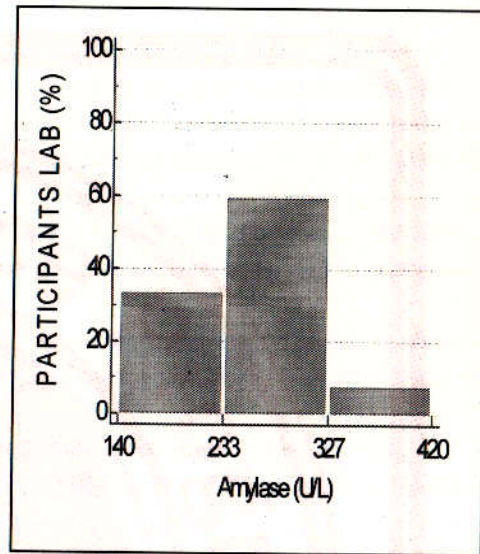
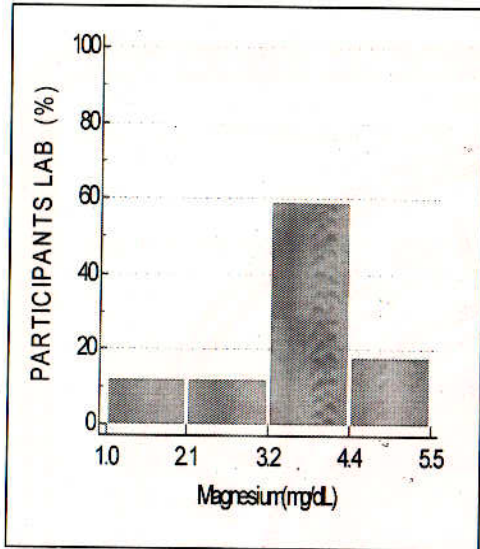
BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022

Round-3

Date:05/04/2022



Biochemistry

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -3

Date: 05/04/2022

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	193	155	0	145	3	7
Alkaline Phosphatase	193	145	0	135	9	1
Bilirubin Total	193	156	4	138	9	9
Calcium(Total)	193	132	4	115	11	6
Cholesterol (Total)	193	152	4	136	11	5
Creatinine	193	158	3	145	7	6
Glucose	193	158	3	144	9	5
HDL	193	143	0	140	3	0
Potassium	193	134	3	122	8	4
Protien (Total)	193	154	7	143	5	6
Sodium	193	134	2	119	7	8
SGPT/ALT	193	155	2	142	8	5
SGOT/AST	193	155	3	140	8	7
Triglyceride	193	152	4	131	12	9
Urea	193	157	2	142	7	8
Uric Acid	193	157	2	147	7	3

****End of Report****

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ALL METHOD REPORT

Lab Code: 1097

Cycle - 10/2021

Round No - 09

Date: 02/10/2021

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	146	2.9	0.3	0.03	2.3-3.5	2.7	-0.7
Alkaline Phosphatase	U/L	141	316.4	97.7	10.28	121.0-511.9	360	0.4
Bilirubin Total	mg/dL	149	4.8	0.6	0.06	3.6-5.9	5.2	0.7
Calcium (Total)	mg/dL	122	11.9	1.1	0.12	9.7-14.1	12.3	0.4
Cholesterol (Total)	mg/dL	137	272.0	17.1	1.83	237.8-306.2	280	0.5
Creatinine	mg/dl.	149	4.2	0.5	0.05	3.2-5.1	4.2	0.0
Glucose	mg/dl.	150	254.6	22.5	2.30	209.6-299.7	281	1.2
HDL	mg/dL	130	91.8	28.3	3.10	35.2-148.5	100.0	0.3
Potassium	mEq/l.	119	5.8	0.3	0.03	5.1-6.5	5.9	0.3
Protein (Total)	g/dl	143	4.6	0.4	0.04	3.8-5.4	4.4	-0.5
Sodium	mEq/L.	119	155.0	4.9	0.56	145.2-164.8	159	0.8
SGPT/ALT	U/L	148	118.6	15.4	1.68	87.9-149.3	123	0.3
SGOT/AST	U/L	147	128.6	17.6	1.81	93.4-163.9	138	0.5
Triglyceride	mg/dL	139	248.7	21.8	2.31	205.2-292.2	254	0.2
Urea	mg/dl.	148	114.9	11.5	1.18	92.0-137.8	117	0.2
Uric Acid	mg/dl	148	8.9	0.9	0.09	7.2-10.6	9.2	0.3
Chloride	mEq/l.	16	115.8	3.9	1.22	108.1-123.5	114	-0.5
Phosphorus	mg/dL	13	6.8	0.3	0.10	6.3-7.3	6.8	0.0
Magnesium	mg/dl	8	4.2	0.2	0.09	3.7-4.7	4.14	-0.3
Iron	ug/dl.	10	208.2	16.6	6.56	175.0-241.4	219	0.7
Amylase	U/L	13	251.5	57.7	20.00	136.1-366.9	260	0.1
CK	U/L	8	571.1	154.1	68.10	263.0-879.2	750	1.2

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	[J] Not Reported	(#) Late Result Submission	(\$) Reported in other Unit
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Chief Coordinator

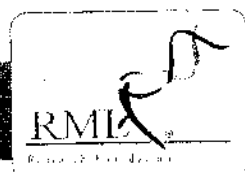
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Programme Director

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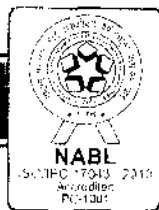
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BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 10/2021

Round No - 09

Date: 02/10/2021

Lab Code: 1697

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	Bromeresal Green (BCG)	57	2.9	0.3	0.25	2.3-3.5	2.7	-0.7
Alkaline Phosphatase	U/L	PNPP, AMP Buffer	35	312.2	62.3	13.16	187.6-436.7	360	0.8
Bilirubin Total @	mg/dL	Jeandassik Grof	11	4.7	0.5	0.19	3.7-5.7	-	-
Calcium (Total)	mg/dL	Arsenazo III	37	11.7	1.1	0.23	9.5-14.0	12.3	0.5
Cholesterol (Total)	mg/dL	Cholesterol Oxidase, esterase, peroxidase	40	271.1	16.9	3.31	237.4-304.8	280	0.5
Creatinine @	mg/dL	Alkaline picrate kinetic	16	4.1	0.5	0.16	3.2-5.1	-	-
Glucose @	mg/dL	Glucose oxidase, hydrogen peroxide (Trinder)	53	257.7	19.4	3.33	218.8-296.5	-	-
HDL	mg/dL	Direct measure-PFC	30	102.1	25.8	5.69	50.6-153.7	100.0	-0.1
Potassium	mEq/L	ISE Direct	29	5.9	0.3	0.07	5.3-6.5	5.9	0.0
Protein (Total) @	g/dL	Buret, reagent blank, end point	35	4.7	0.4	0.08	3.8-5.5	-	-
Sodium	mEq/L	ISE Direct	31	155.2	4.0	1.03	146.0-164.4	159	0.8
SGPT/ALT @	U/L	UV without PSP	35	118.1	14.8	3.13	88.5-147.6	-	-
SGOT/AST @	U/L	UV without PSP	31	129.8	18.9	4.24	92.0-167.5	-	-
Triglyceride @	mg/dL	Enzymatic, end point	27	245.3	14.9	3.58	215.5-275.1	-	-
Urea	mg/dL	Urease, UV	42	114.4	9.5	1.63	95.4-133.4	117	0.3
Uric Acid	mg/dL	Uricase, Colorimetric	35	9.0	0.7	0.15	7.7-10.3	9.2	0.3

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

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