



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 1886

Cycle - 11/2022

Round No - 12

Date: 20/12/2022

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	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	1.6	0.5
Calcium(Total)	mg/dL	211	8.9	0.5	0.04	7.8-9.9	9.0	0.3
Cholesterol (Total)	mg/dL	229	167.1	21.5	1.78	124.0-210.1	168	0.0
Creatinine	mg/dL	237	1.4	0.2	0.01	1.0-1.8	1.3	-0.5
Glucose	mg/dL	238	103.5	10.8	0.87	82.0-125.1	109	0.5
HDL	mg/dL	221	56.2	16.9	1.42	22.5-90.0	71.8	0.9
Potassium	mEq/L	207	3.9	0.2	0.02	3.5-4.3	3.8	-0.6
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	138	-0.1
SGPT/ALT	U/L	234	30.6	4.0	0.32	22.6-38.5	25	-1.4
SGOT/AST	U/L	234	31.5	4.6	0.38	22.3-40.7	30	-0.3
Triglyceride	mg/dL	229	92.9	8.8	0.73	75.3-110.4	87	-0.7
Urea	mg/dL	235	43.4	4.2	0.34	35.0-51.8	41	-0.6
Uric Acid	mg/dl	234	5.7	0.5	0.04	4.8-6.6	5.3	-0.9

#### 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	(-) 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/R01/DL:05.01.2022

Programme Director

Dr. Bandana Mehrotra

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## RML- Quality Assurance Program (RML-QAP)

BIO-CHEMISTRY-01

## ALL METHOD REPORT

Lab Code: 1886

Cycle - 11/2022  
Round No - 11

Date: 28/11/2022

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	242	2.9	0.2	0.02	2.4-3.4	2.8	-0.4
Alkaline Phosphatase	U/L	234	321.1	71.9	5.88	177.2-464.9	277	-0.6
Bilirubin Total	mg/dL	242	4.9	0.6	0.05	3.8-6.1	4.9	-0.1
Calcium(Total)	mg/dL	216	12.2	0.9	0.07	10.5-13.9	12.3	0.1
Cholesterol (Total)	mg/dL	236	270.3	16.0	1.30	238.3-302.3	259	-0.7
Creatinine	mg/dL	246	4.2	0.4	0.03	3.4-4.9	3.9	-0.7
Glucose	mg/dL	248	258.1	18.7	1.49	220.7-295.5	254	-0.2
HDL	mg/dL	226	85.9	30.5	2.54	24.9-146.9	119.6	1.1
Potassium	mEq/L	201	5.8	0.3	0.03	5.1-6.4	5.9	0.4
Protein (Total)	g/dl	241	4.6	0.3	0.03	3.9-5.2	4.3	-0.8
Sodium	mEq/L	200	155.3	4.7	0.41	145.9-164.7	157	0.4
SGPT/ALT	U/L	242	122.8	13.1	1.05	96.6-149.1	124	0.1
SGOT/AST	U/L	242	128.6	12.3	0.99	103.9-153.3	122	-0.5
Triglyceride	mg/dL	236	249.8	15.9	1.29	218.0-281.5	244	-0.4
Urea	mg/dL	246	113.9	10.4	0.83	93.1-134.7	107	-0.7
Uric Acid	mg/dl	242	9.4	0.9	0.07	7.4-10.8	9.0	-0.5

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

Dr. Sanjay Mehrotra

Checked By:

Prepared by: SS

Doc. No.: ASS / FR / 03 / R 01 / D1., 05.01.2022

Programme Director

Dr. Bandana Mehrotra

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RML  
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# RML - Quality Assurance Program (RML - QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 1886

Cycle - 11/2022  
Round No - 10

Date: 20/10/2022

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.	231	2.9	0.2	0.02	2.5-3.4	2.9	-0.1
Alkaline Phosphatase	U/L	223	319.6	75.3	6.30	169.0-470.2	269	-0.7
Bilirubin Total	mg/dl.	232	5.0	0.5	0.04	4.0-6.0	5.2	0.4
Calcium(Total)	mg/dl.	204	12.4	0.8	0.07	10.7-14.0	12.5	0.2
Cholesterol (Total)	mg/dl.	227	271.1	15.9	1.32	239.3-302.8	272	0.1
Creatinine	mg/dl.	236	4.2	0.4	0.03	3.5-4.9	4.0	-0.5
Glucose	mg/dl.	234	259.8	17.6	1.44	224.6-294.9	265	0.3
HDL	mg/dl.	216	86.1	31.6	2.69	22.9-149.2	125.2	1.2
Potassium	mEq/l.	194	5.8	0.3	0.03	5.2-6.4	5.8	0.0
Protein (Total)	g/dl	227	4.6	0.3	0.03	3.9-5.3	4.2	-1.1
Sodium	mEq/l.	194	155.1	4.7	0.42	145.7-164.4	157	0.4
SGPT/ALT	U/L	230	123.0	13.1	1.08	97.7-150.0	113	-0.8
SGOT/AST	U/L	229	129.7	13.7	1.13	102.2-157.2	126	-0.3
Triglyceride	mg/dl.	225	250.0	17.2	1.43	215.6-284.4	253	0.2
Urea	mg/dl.	235	114.5	10.0	0.81	94.6-134.4	115	0.1
Uric Acid	mg/dl	232	9.2	0.7	0.06	7.7-10.6	8.8	-0.5

### 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	(.) Not Reported	(#) Late Result	(S) Reported in	

Chief Coordinator

Programme Director

Dr. Sanjay Mehrotra

Dr. Bandana Mehrotra

Checked By: *[Signature]*

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Prepared by: SS *[Signature]*

Doc. No.: ASS/FR/C3/R01/01/2022  
Interpretation of *[Signature]*



**BIO-CHEMISTRY-01**

**ALL METHOD REPORT**

Cycle - 11/2022  
Round No : 9

Date: 24/09/2022

Lab Code: 1886

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	238	4.1	0.3	0.02	3.5-4.6	4.1	0.2
Alkaline Phosphatase	U/L	227	173.0	34.8	2.69	106.3-245.5	151	-0.7
Bilirubin Total	mg/dl	230	1.5	0.2	0.02	1.0-1.9	1.6	0.5
Calcium(Total)	mg/dl	210	8.0	0.6	0.05	7.7-10.1	8.9	0.0
Cholesterol (Total)	mg/dl	233	164.8	20.4	1.67	126.1-207.6	182	0.7
Creatinine	mg/dl	242	1.4	0.2	0.01	1.0-1.8	1.4	0.1
Glucose	mg/dl	242	105.1	9.9	0.80	85.2-124.9	110	0.5
HDL	mg/dl	223	56.2	16.4	1.37	23.4-88.9	68.6	0.8
Potassium	mEq/L	200	3.0	0.2	0.02	3.5-4.3	4.0	0.6
Protein (Total)	g/dl	230	5.8	0.4	0.03	5.1-6.5	5.0	-0.5
Sodium	mEq/L	197	138.5	4.0	0.36	130.5-146.6	140	0.4
SGPT/ALT	U/L	238	30.2	4.0	0.32	22.2-38.1	30	0.0
SGOT/AST	U/L	238	31.0	4.5	0.37	22.0-40.1	31	0.0
Triglyceride	mg/dl	235	93.1	9.3	0.76	74.4-111.8	91	-0.2
Urea	mg/dl	241	43.4	3.9	0.32	35.5-51.3	43	-0.1
Uric Acid	mg/dl	230	5.8	0.6	0.05	4.6-7.0	5.1	-1.1

**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*

Dr. Sanjay Mehrotra

Checked By:

Prepared by: SS

Programme Director

*Dr. Bandana Mehrotra*

Dr. Bandana Mehrotra



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Cycle - 11/2022  
Round No - 8

Lab Code: 1886

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	3.0	0.5
Alkaline Phosphatase	U/L	213	322.5	74.1	6.35	174.3-470.7	249	-1.0
Bilirubin Total	mg/dL	221	5.0	0.5	0.04	3.9-6.0	5.0	0.0
Calcium(Total)	mg/dL	193	12.3	0.9	0.08	10.4-14.1	12.8	0.6
Cholesterol (Total)	mg/dL	216	271.4	16.0	1.36	239.4-303.4	270	-0.1
Creatinine	mg/dL	225	4.2	0.4	0.03	3.4-5.0	4.3	0.2
Glucose	mg/dL	226	261.5	16.9	1.41	227.8-295.3	268	0.4
HDL	mg/dL	206	87.8	31.8	2.77	24.3-151.4	119.0	1.0
Potassium	mEq/L	184	5.8	0.3	0.03	5.2-6.4	6.0	0.7
Protein (Total)	g/dl	217	4.6	0.4	0.03	3.8-5.5	4.5	-0.2
Sodium	mEq/L	184	154.8	5.2	0.48	144.3-165.3	158	0.6
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	128	-0.2
Triglyceride	mg/dL	216	251.8	15.2	1.29	221.4-282.1	272	1.3
Urea	mg/dL	224	114.7	11.1	0.93	92.6-136.9	116	0.1
Uric Acid	mg/dl	221	9.2	0.8	0.07	7.5-10.8	8.9	-0.4

#### 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 Urgent action

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

Dr. Sanjay Mehrotra

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

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