

**BIO-CHEMISTRY-02**

**ALL METHOD REPORT**

**Lab Code: 3182**

**Cycle - 13/2024  
Round No - 07**

**Date: 31.07.2024**

Parameters	Units	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	114	4.1	0.2	0.03	3.7-4.6	4.5	1.6
Alkaline Phosphatase	U/L	111	168.1	21.0	2.49	126.2-210.1	154	-0.7
Bilirubin (Total)	mg/dL	114	1.4	0.1	0.02	1.1-1.7	1.4	-0.2
Calcium (Total)	mg/dL	106	8.6	0.3	0.04	8.0-9.3	8.7	0.2
Cholesterol (Total)	mg/dL	113	153.9	7.7	0.91	138.4-169.4	151	-0.4
Creatinine	mg/dL	114	1.5	0.1	0.01	1.3-1.7	1.6	1.3
Glucose	mg/dL	114	103.9	5.6	0.66	92.7-115.1	92	-2.1
HDL	mg/dL	108	52.2	5.5	0.66	41.2-63.3	54.3	0.4
Potassium	mEq/L	94	3.8	0.2	0.03	3.4-4.3	3.8	-0.2
Protein (Total)	g/dl	113	5.9	0.3	0.03	5.3-6.4	5.8	-0.3
Sodium	mEq/L	94	139.0	3.4	0.44	132.1-145.8	136	-0.9
SGPT/ALT	U/L	114	32.2	2.6	0.30	27.1-37.4	28	-1.6
SGOT/AST	U/L	113	32.2	3.2	0.37	25.8-38.5	29	-1.0
Triglyceride	mg/dL	113	98.4	6.2	0.72	86.0-110.7	99	0.1
Urea	mg/dL	114	43.4	2.7	0.31	38.1-48.8	44	0.2
Uric Acid	mg/dl	111	6.0	0.4	0.05	5.2-6.8	5.7	-0.7
Chloride	mEq/L	93	97.1	4.6	0.59	87.9-106.3	102	1.1
Phosphorus	mg/dL	79	4.6	0.2	0.03	4.1-5.0	4.5	-0.3
Magnesium	mg/dl	26	2.1	0.2	0.05	1.7-2.5	3.34	6.2
Iron	µg/dL	60	114.0	6.2	1.00	101.6-126.4	118	0.7
Amylase	U/L	61	79.8	7.0	1.12	65.7-93.8	74	-0.8
CK	U/L	28	172.5	20.8	4.91	130.9-214.1	170	-0.1

**Interpretation of Z Score :**

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[Z] ≥ 3.0
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{ } Not Reported	(#)Late Result Submission	(\$ )Reported in other Unit
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Chief Coordinator



Dr.Sanjay Mehrotra

Programme Director



Dr.Bandana Mehrotra

Prepared by: S.Vi.

Checked by: 

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



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**BIO-CHEMISTRY-02**

**ALL METHOD REPORT**

Lab Code: 3182

Cycle - 13/2024  
Round No - 06

Date: 29.06.2024

Parameters	Units	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	112	3.0	0.2	0.02	2.5-3.4	3.1	0.5
Alkaline Phosphatase	U/L	109	333.5	43.4	5.20	246.8-420.3	291	-1.0
Bilirubin (Total)	mg/dL	112	5.2	0.5	0.06	4.2-6.3	*9.5	8.6
Calcium (Total)	mg/dL	104	12.4	0.4	0.05	11.5-13.2	12.5	0.2
Cholesterol (Total)	mg/dL	111	277.2	18.5	2.19	240.2-314.3	274	-0.2
Creatinine	mg/dL	112	4.5	0.3	0.04	3.9-5.0	4.6	0.3
Glucose	mg/dL	111	276.7	11.7	1.39	253.2-300.2	267	-0.8
HDL	mg/dL	107	104.1	10.9	1.32	82.3-125.9	115.3	1.0
Potassium	mEq/L	91	5.8	0.3	0.04	5.1-6.4	5.5	-1.0
Protein (Total)	g/dl	110	4.7	0.4	0.05	3.9-5.5	4.4	-0.8
Sodium	mEq/L	92	154.4	4.5	0.59	145.3-163.5	150	-1.0
SGPT/ALT	U/L	112	133.3	10.4	1.23	112.5-154.2	114	-1.9
SGOT/AST	U/L	112	143.0	13.4	1.58	116.2-169.8	130	-1.0
Triglyceride	mg/dL	111	255.2	13.9	1.65	227.4-282.9	256	0.1
Urea	mg/dL	112	118.5	7.1	0.84	104.2-132.8	115	-0.5
Uric Acid	mg/dl	109	9.4	0.7	0.08	8.0-10.9	8.1	-1.9
Chloride	mEq/L	86	112.7	5.0	0.67	102.7-122.8	108	-0.9
Phosphorus	mg/dL	74	6.9	0.3	0.04	6.3-7.5	6.8	-0.3
Magnesium	mg/dl	25	4.0	0.6	0.15	2.9-5.1	3.13	-1.5
Iron	µg/dL	57	213.0	16.5	2.73	180.0-246.0	215	0.1
Amylase	U/L	60	275.0	20.8	3.36	233.4-316.7	266	-0.4
CK	U/L	24	489.4	59.7	15.23	370.1-608.7	443	-0.8

**Interpretation of Z Score :**

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[Z] ≥ 3.0
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{,} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator



Dr.Sanjay Mehrotra

Programme Director



Dr.Bandana Mehrotra

Prepared by: I.S

Checked By: 

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

**BIO-CHEMISTRY-02**

**ALL METHOD REPORT**

**Lab Code: 3182**

**Cycle - 13/2024  
Round No - 05**

**Date: 30.05.2024**

Parameters	Units	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	98	4.2	0.2	0.03	3.8-4.5	4.4	1.0
Alkaline Phosphatase	U/L	96	165.4	20.9	2.67	123.6-207.3	150	-0.7
Bilirubin (Total)	mg/dL	98	1.5	0.2	0.03	1.1-1.8	1.4	-0.5
Calcium (Total)	mg/dL	91	8.7	0.5	0.07	7.7-9.7	8.4	-0.6
Cholesterol (Total)	mg/dL	97	153.6	10.2	1.29	133.2-173.9	156	0.2
Creatinine	mg/dL	98	1.5	0.1	0.02	1.2-1.8	1.5	0.0
Glucose	mg/dL	98	104.1	7.0	0.88	90.1-118.1	105	0.1
HDL	mg/dL	93	54.0	4.5	0.58	44.9-63.1	53.9	0.0
Potassium	mEq/L	82	3.9	0.2	0.03	3.4-4.4	3.9	0.0
Protein (Total)	g/dl	97	5.9	0.3	0.04	5.4-6.5	5.4	-1.7
Sodium	mEq/L	82	139.6	2.7	0.37	134.2-145.1	136	-1.3
SGPT/ALT	U/L	98	33.1	3.4	0.43	26.3-39.9	32	-0.3
SGOT/AST	U/L	98	32.8	3.4	0.43	26.0-39.6	33	0.1
Triglyceride	mg/dL	97	98.3	6.7	0.85	84.8-111.8	103	0.7
Urea	mg/dL	98	43.9	3.1	0.39	37.8-50.0	38	-1.9
Uric Acid	mg/dl	96	6.1	0.5	0.06	5.1-7.1	5.5	-1.2
Chloride	mEq/L	81	96.8	5.6	0.78	85.6-107.9	102	0.9
Phosphorus	mg/dL	71	4.6	0.3	0.04	4.1-5.2	4.7	0.3
Magnesium	mg/dl	28	2.1	0.2	0.05	1.7-2.5	2.24	0.7
Iron	µg/dL	54	112.2	7.8	1.33	96.5-127.9	104	-1.1
Amylase	U/L	48	84.2	6.6	1.19	71.0-97.3	97	1.9
CK	U/L	23	181.4	16.1	4.20	149.3-213.5	205	1.5

**Interpretation of Z Score :**

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[Z] ≥ 3.0
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{,} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator



**Dr.Sanjay Mehrotra**

Programme Director



**Dr.Bandana Mehrotra**

Prepared by: I.S

Checked By: 

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



# RML- Quality Assurance Program (RML-QAP)



## BIO-CHEMISTRY-02

### ALL METHOD REPORT

Lab Code: 3182

Cycle - 13/2024  
Round No - 04

Date: 30.04.2024

Parameters	Units	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Z Score
Albumin	g/dL	105	3.0	0.2	0.02	2.6-3.4	3.1	0.5
Alkaline Phosphatase	U/L	104	337.2	49.4	6.06	238.4-436.0	322	-0.3
Bilirubin (Total)	mg/dL	106	5.2	0.5	0.07	4.1-6.3	4.6	-1.1
Calcium (Total)	mg/dL	99	12.5	0.5	0.07	11.4-13.5	12.3	-0.3
Cholesterol (Total)	mg/dL	104	279.8	12.6	1.54	254.7-305.0	288	0.7
Creatinine	mg/dL	106	4.5	0.3	0.03	4.0-5.1	4.9	1.3
Glucose	mg/dL	105	273.8	16.3	1.99	241.1-306.4	270	-0.2
HDL	mg/dL	100	106.8	13.6	1.70	79.6-134.0	118.4	0.9
Potassium	mEq/L	86	5.8	0.3	0.04	5.1-6.4	5.2	-1.7
Protein (Total)	g/dl	105	4.7	0.3	0.04	4.0-5.4	4.5	-0.6
Sodium	mEq/L	87	154.9	4.8	0.65	145.3-164.5	149	-1.2
SGPT/ALT	U/L	106	131.8	12.4	1.51	107.0-156.6	127	-0.4
SGOT/AST	U/L	106	143.6	12.8	1.56	117.9-169.2	134	-0.7
Triglyceride	mg/dL	105	250.0	13.5	1.64	223.0-276.9	262	0.9
Urea	mg/dL	106	118.1	6.7	0.82	104.6-131.6	121	0.4
Uric Acid	mg/dl	104	9.2	0.5	0.07	8.1-10.3	8.5	-1.3
Chloride	mEq/L	91	110.2	4.6	0.60	101.1-119.3	111	0.2
Phosphorus	mg/dL	71	6.8	0.3	0.05	6.2-7.5	7.0	0.5
Magnesium	mg/dl	28	4.5	0.3	0.08	3.9-5.2	*3.35	-3.5
Iron	$\mu$ g/dL	64	212.0	9.1	1.42	193.9-230.2	228	1.8
Amylase	U/L	50	276.6	27.4	4.85	221.8-331.5	316	1.4
CK	U/L	21	472.3	54.4	14.83	363.6-581.1	474	0.0

#### Interpretation of Z Score :

Z Score Value(+/-)	$[Z] \leq 2.0$	$2.0 < [Z] < 3.0$	$[Z] \geq 3.0$
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{.} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

Checked By:

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Prepared by: N.F

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



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# RML- Quality Assurance Program (RML-QAP)



## BIO-CHEMISTRY-02

### ALL METHOD REPORT

Lab Code: 3182

Cycle - 13/2024

Round No - 03

Date: 30.03.2024

Parameters	Units	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Z Score
Albumin	g/dL	77	2.9	0.2	0.03	2.5-3.4	3.3	1.8
Alkaline Phosphatase	U/L	74	337.4	42.9	6.23	251.7-423.2	*142	-4.6
Bilirubin (Total)	mg/dL	77	5.1	0.5	0.07	4.1-6.1	*8.3	6.5
Calcium (Total)	mg/dL	69	12.6	0.7	0.10	11.3-14.0	*6	-10.0
Cholesterol (Total)	mg/dL	76	276.8	17.1	2.46	242.5-311.0	240	-2.1
Creatinine	mg/dL	77	4.4	0.3	0.04	3.8-5.0	4.9	1.8
Glucose	mg/dL	77	271.6	16.5	2.36	238.5-304.7	274	0.1
HDL	mg/dL	70	98.8	17.2	2.57	64.4-133.2	82.0	-1.0
Potassium	mEq/L	58	5.8	0.3	0.05	5.2-6.4	5.1	-2.2
Protein (Total)	g/dl	75	4.6	0.4	0.05	3.9-5.4	4.8	0.4
Sodium	mEq/L	59	155.0	4.6	0.75	145.7-164.3	148	-1.5
SGPT/ALT	U/L	77	137.5	13.8	1.97	109.9-165.1	127	-0.8
SGOT/AST	U/L	75	142.2	11.3	1.64	119.6-164.9	134	-0.7
Triglyceride	mg/dL	76	252.0	14.8	2.12	222.4-281.6	*310	3.9
Urea	mg/dL	77	118.7	7.7	1.09	103.4-134.0	114	-0.6
Uric Acid	mg/dl	75	9.4	0.6	0.08	8.2-10.6	8.2	-2.1
Chloride	mEq/L	58	113.3	4.5	0.73	104.4-122.2	106	-1.6
Phosphorus	mg/dL	47	7.0	0.5	0.09	6.1-8.0	*3.1	-8.0
Magnesium	mg/dl	24	4.6	0.1	0.04	4.3-4.9	*3.11	-9.7
Iron	µg/dL	39	217.0	10.3	2.06	196.4-237.6	217	0.0
Amylase	U/L	36	279.8	29.9	6.24	219.9-339.7	315	1.2
CK	U/L	20	488.2	20.8	5.83	446.5-529.9	.	-

### Interpretation of Z Score :

Z Score Value(+/-)	$[Z] \leq 2.0$	$2.0 < [Z] < 3.0$	$[Z] \geq 3.0$
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{ } Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Programme Director

Dr. Sanjay Mehrotra

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