



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-02

### ALL METHOD REPORT

Lab Code: 2877

Cycle - 12/2023  
Round No - 04

Date: 29/04/2023

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	101	4.2	0.3	0.04	3.7-4.7	3.5	-2.3
Alkaline Phosphatase	U/L	99	172.2	23.0	2.89	126.2-218.2	236	2.8
Bilirubin (Total)	mg/dL	100	1.5	0.2	0.03	1.1-1.8	1.5	0.0
Calcium (Total)	mg/dL	93	8.9	0.4	0.05	8.0-9.7	9.7	2.0
Cholesterol (Total)	mg/dL	99	150.7	9.1	1.14	132.4-168.9	130	-2.3
Creatinine	mg/dL	100	1.5	0.1	0.01	1.3-1.7	*1.1	-4.0
Glucose	mg/dL	99	102.4	6.2	0.78	89.9-114.9	95	-1.2
HDL	mg/dL	94	48.6	6.8	0.88	35.0-62.1	36.0	-1.9
Potassium	mEq/L	90	4.0	0.2	0.03	3.6-4.5	3.7	-1.5
Protein (Total)	g/dl	98	5.8	0.3	0.04	5.2-6.5	5.8	0.0
Sodium	mEq/L	90	140.4	3.5	0.46	133.5-147.3	136	-1.3
SGPT/ALT	U/L	100	31.3	3.5	0.44	24.2-38.3	33	0.5
SGOT/AST	U/L	99	30.1	2.7	0.34	24.8-35.4	30	0.0
Triglyceride	mg/dL	98	99.5	8.5	1.07	82.5-116.5	*140	4.8
Urea	mg/dL	100	42.9	2.8	0.35	37.3-48.5	45	0.8
Uric Acid	mg/dl	98	5.9	0.4	0.05	5.0-6.7	*4	-4.8
Chloride	mEq/L	88	99.5	3.9	0.52	91.6-107.3	99	-0.1
Phosphorus	mg/dL	80	4.6	0.2	0.03	4.2-5.0	*5.7	5.5
Magnesium	mg/dl	27	2.1	0.2	0.05	1.7-2.6	2.02	-0.4
Iron	µg/dL	70	111.9	6.1	0.91	99.8-124.0	.	-
Amylase	U/L	56	83.1	9.0	1.50	65.1-101.1	*185	11.3
CK	U/L	21	182.7	34.2	9.33	114.4-251.0	.	-

#### 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	(S) 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/PS

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## BIO-CHEMISTRY-02

### METHOD WISE REPORT

Lab Code: 2877

Cycle - 12/2023

Round No - 04

Date: 29/04/2023

Note: Your Lab is not the part of this method group

Parameters	Units	Method Group	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	Bromocresol Green (BCG)	73	4.2	0.2	0.03	3.8-4.7	-	-
Alkaline Phosphatase	U/L	PNPP	74	170.9	21.9	3.18	127.1-214.8	-	-
Bilirubin Total	mg/dL	Diazonium Ion	72	1.5	0.2	0.03	1.2-1.8	-	-
Calcium(Total)	mg/dL	Arsenazo iii	54	8.9	0.5	0.09	7.9-9.9	-	-
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	78	151.3	9.4	1.33	132.5-170.2	-	-
Creatinine	mg/dL	Alkaline pierate	63	1.5	0.1	0.02	1.3-1.8	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	50	103.4	6.8	1.20	89.8-117.0	-	-
HDL	mg/dL	Direct measure	51	47.4	7.0	1.23	33.5-61.3	-	-
Potassium	mEq/L	ISE Direct	45	4.0	0.2	0.04	3.7-4.3	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	49	5.9	0.3	0.05	5.3-6.4	-	-
Sodium	mEq/L	ISE Direct	46	140.1	2.7	0.50	134.7-145.4	-	-
SGPT/ALT	U/L	UV without P5P	58	31.1	3.5	0.57	24.1-38.1	-	-
SGOT/AST	U/L	UV without P5P	57	29.9	2.6	0.43	24.6-35.2	-	-
Triglyceride	mg/dL	Enzymatic method	51	100.2	9.4	1.65	81.5-118.9	-	-
Urea	mg/dL	Urease	67	43	2.8	0.43	37.5-48.6	-	-
Uric Acid	mg/dl	Uricase	61	5.9	0.4	0.06	5.1-6.7	-	-
Chloride	mEq/L	ISE Indirect	45	98.2	3.4	0.63	91.4-104.9	-	-
Phosphorus	mg/dL	Phosphomolybdate method	62	4.6	0.2	0.03	4.2-5.0	-	-
Magnesium	mg/dl	Uricase Colorimetic	10	2.1	0.2	0.08	1.7-2.5	-	-
Iron	µg/dL	Ferene	34	113.1	7.1	1.52	98.8-127.3	-	-
Amylase	U/L	Uricase Colorimetic	31	85.5	7.5	1.68	70.6-100.4	-	-

#### 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	(S)Reported in other Unit
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