



BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code:2811

Cycle - 12/2023

Round No - 2

Date: 15.03.2023

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	178	4.1	0.3	0.03	3.5-4.8	*5.1	3.1
Alkaline Phosphatase	U/L	171	180.6	34.7	3.31	111.3-249.9	180	0.0
Bilirubin Total	mg/dL	176	1.5	0.2	0.02	1.1-1.9	*0.3	-6.4
Calcium(Total)	mg/dL	160	8.9	0.5	0.05	7.9-9.9	9.0	0.3
Cholesterol (Total)	mg/dL	173	149.6	7.6	0.72	134.4-164.8	*183	4.4
Creatinine	mg/dL	180	1.5	0.2	0.01	1.2-1.8	1.6	0.7
Glucose	mg/dL	182	101.8	6.2	0.57	89.5-114.2	95	-1.1
HDL	mg/dL	163	47.4	7.0	0.69	33.4-61.4	34.2	-1.9
Potassium	mEq/L	150	4.0	0.2	0.02	3.7-4.3	4.1	0.6
Protein (Total)	g/dl	174	5.8	0.5	0.04	4.9-6.7	5.5	-0.6
Sodium	mEq/L	150	138.8	3.5	0.36	138.8-145.9	134	-1.4
SGPT/ALT	U/L	175	30.8	3.5	0.33	23.9-37.7	22	-2.5
SGOT/AST	U/L	176	30.8	3.1	0.29	24.6-37.0	37	2.0
Triglyceride	mg/dL	171	98.0	6.5	0.62	85.1-110.9	*124	4.0
Urea	mg/dL	180	43.2	3.4	0.31	36.5-50.0	50	2.0
Uric Acid	mg/dl	175	5.9	0.5	0.04	5.0-6.8	6.3	0.9

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

Dr.Sanjay Mehrotra

Programme Director

Dr.Bandana Mehrotra

Checked By:

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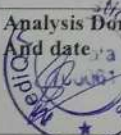

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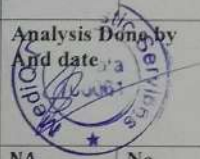


MediQ Diagnostic Services

Root cause analysis and Corrective action of outlier parameter for EQAS performance

EQAS Cycle/ Sample No: 12 /Round 2

Parameter (a)	Z Score	Internal QC Results (b)	Patient Complaint (c)	Sample Preservation system (d)	Reagent Quality Check Record (e)	Calibration of Machine & Pipette (f)	Temperature/ humidity of the Environment (g)	Machine Breakdown (h)	Technicians Competency Record (i)	Correction factor (j)	Calculation data tabulation (k)
Albumin	3.1	Ok	No	Good	Not Checked	Yes done	Maintained	No	Good	NA	Na
Conclusion and proposed action	RCA done and identified that reagent quality is not good , new reagent lot has been changed									Analysis Done by And date, 13/03/2023 	
Total bilirubin	- 6.4	Ok	No	Good	Not Checked	Yes done	Maintained	No	Good	NA	Na
Conclusion and proposed action	RCA done and identified that reagent quality is not good , new reagent lot has been changedp									Analysis Done by And date, 13/03/2023 	



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Cholesterol Total	4.4	Ok	No	Good	Checked	Yes done	Maintained	No	Good	NA	Na
Conclusion and proposed action	→ It might be random error , all possible RCA done no such problem identified . Training has been conducted regarding EQAS sample handling and analysis and also closely monitored next sample.										
Triglyceride	4.0	Ok	No	Good	Checked	Yes done	Maintained	No	Good	NA	Na
Conclusion and proposed action	→ It might be random error , all possible RCA done no such problem identified . Training has been conducted regarding EQAS sample handling and analysis and also closely monitored next sample.										

