



MediQ Diagnostic Services

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

EQAS Cycle/ Sample No: 12 /Round 1

Parameter (a)	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)	Others (l)
Albumin Z Score 3.5	Ok	No	Ok	Good	Yes	Maintained	No	Good	NA	NA	It might be random Error
Conclui on 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.								Analysis Done by And date		
Bilirubin Total Z Score - 6.2	Ok	No	Ok	Good	Yes	Maintained	No	Good	NA	NA	It might be random Error
Conclui on and proposed action	It might be random error , all possible RCA done no such problem identified . 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.								Analysis Done by And date		

BIO-CHEMISTRY-01

ALL METHOD REPORT

Cycle - 12/2023

Round No - 01

Lab Code:2811

Date: 28/02/2023

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	154	2.9	0.2	0.02	2.5-3.4	*3.7	3.5
Alkaline Phosphatase	U/L	151	299.2	33.3	3.39	232.6-365.8	292	-0.2
Bilirubin Total	mg/dL	157	5.2	0.6	0.06	4.1-6.4	*1.6	-6.2
Calcium(Total)	mg/dL	141	12.7	0.7	0.07	11.3-14.0	13.4	1.1
Cholesterol (Total)	mg/dL	151	263.1	11.8	1.20	239.4-286.8	295	2.7
Creatinine	mg/dL	159	4.1	0.4	0.04	3.3-4.8	4.1	0.1
Glucose	mg/dL	160	269.0	15.1	1.49	238.8-299.2	259	-0.7
HDL	mg/dL	143	71.1	16.6	1.73	37.9-104.2	58.5	-0.8
Potassium	mEq/L	135	5.7	0.3	0.03	5.2-6.2	5.7	0.0
Protein (Total)	g/dl	153	4.6	0.4	0.04	3.9-5.3	5.1	1.5
Sodium	mEq/L	135	154.9	4.8	0.51	145.4-164.4	155	0.0
SGPT/ALT	U/L	157	136.1	11.0	1.10	114.1-158.2	104	-2.9
SGOT/AST	U/L	157	136.7	8.5	0.85	119.7-153.7	121	-1.9
Triglyceride	mg/dL	149	252.2	14.6	1.50	223.0-281.5	293	2.8
Urea	mg/dL	159	114.7	9.2	0.91	96.3-133.0	122	0.8
Uric Acid	mg/dl	154	9.4	0.8	0.08	7.9-10.9	9.9	0.6

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



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Checked By:

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