



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - MAY 2023



Lab Name ALVAS DIAGNOSTIC CENTRE Lab No 0561
 Constituent Group Chemistry I Date of Result Entered : 19/05/2023
 PT Item Lyophilized human serum based Date of Report Published : 05/06/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Biosystems	326	247.21	5.82	14.38	243 mg/dL	-0.29	1.59
2	UREA	Urease UV / GLDH	Biosystems	291	72.81	7.69	5.60	74 mg/dL	0.21	0.66
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	236	1.57	10.57	0.17	1.2 mg/dL	-2.23	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendressik	Biosystems	263	3.65	16.37	0.60	3.6 mg/dL	-0.08	0.07
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	321	5.10	6.52	0.33	5.9 g/dL	2.40	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	306	3.01	7.47	0.22	3.4 g/dL	1.73	0.03
7	CALCIUM	Arsenazo III	Biosystems	210	9.47	8.16	0.77	10 mg/dL	0.69	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	465	5.43	11.40	0.62	5.7 mg/dL	0.44	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	285	8.80	7.25	0.64	8.4 mg/dL	-0.63	0.08
10	CHOLESTEROL	CHOD-PAP	Biosystems	303	109.12	6.54	7.14	122 mg/dL	1.80	0.82
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	294	133.29	7.89	10.52	147 mg/dL	1.30	1.23
12	SODIUM	ISE - Indirect	Any Analyser	545	134.60	2.73	3.67	137 mmol/L	0.65	0.31
13	POTASSIUM	ISE - Indirect	Any Analyser	543	3.15	5.97	0.19	3.2 mmol/L	0.27	0.02
14	CHLORIDE	ISE - Indirect	Any Analyser	415	98.20	3.74	3.68	94 mmol/L	-1.14	0.36
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	294	155.53	11.40	17.74	141 U/L	-0.82	2.07
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	290	82.43	11.33	9.34	61 U/L	-2.30	1.10
17	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	904	298.80	13.40	40.05	305 U/L	0.15	2.66
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	235	87.69	17.12	15.01	82 U/L	-0.38	1.96

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ±1.01 to ±2.00	Good.
Within ±2.01 to ±2.99	Accept with caution. Warning Signal.
Beyond ±3.0	Unacceptable performance. Action Signal.

LAB ADDRESS :
 ALVAS DIAGNOSTIC CENTRE
 ALVA'S HEALTH CENTRE, MOODBIDRI, MANGALORE DISTRICT
 MOODBIDRI

Coordinator Contact Details:
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Pamela Christudoss
Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore

Homogeneity and Stability of the sample is passed.
Data in CMC EQAS reports is confidential
CMC EQAS does not sub contract any components
***** End of Report *****

Verified

[Signature]
5/6/2023



Corrective and Preventative Action Report

Customer Name: Alvas Health Centre

Address: Mondabidri - 57574227

Problem Reported Major/Minor	Creatinine, Total protein, ALT Parameters are out of Acceptable Range for EQAS Month May.		
Date	5/6/2023	Time	10:00 AM

Description of deficiency:

CREA, TP, ALT EQAS values are outside Acceptable (within beyond 2SD) Range.

Crea - 1.2 mg/dl TP - 5.9 g/dl ALT - 61 U/L

Finding:

Recalibrated the parameters. Rerunned Retained Frozen Sample of last month EQAS value observed is Acceptable within limits.

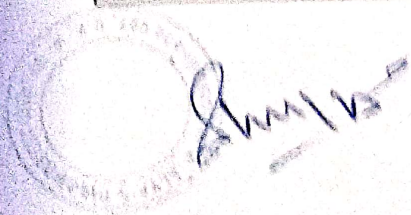
TP - 5.26 g/dl Crea - 1.62 mg/dl ALT - 79.4 U/L

Corrective Action:

Recalibrated the parameters. Rerunned the Frozen EQAS Sample. The following value Observed.

TP - 5.26 g/dl, Crea - 1.62 mg/dl, ALT - 79.4 U/L

Which is Acceptable limits.




Preventative Action:

Before Running Any EQAS Sample.
level 1, and level 2 Control level should
Check mandatorily.

CAPA Report Prepared by: Dr. Shankar Shetty

Designation: Biochemist and Quality head

Sign: 

Date: 5/6/2023

