

CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2023



Lab Name	TELANGANA DIAGNOSTIC HUB	Lab No	18032
Constituent Group	Chemistry I	Date of Result Entered :	25/01/2023
PT item	Lyophilized Serum	Date of Report Published :	09/02/2023

SI.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Partic CV	ipants SD	Your Value	SDI	U
1	GLUCOSE	Hexokinase	Any Analyser (Automation / Semi Automation)	157	174.21	4.68	8.15	175 mg/dL	0.10	1.30
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	588	31.57	10.65	3.36	14 mg/dL	-5.23	0.28
3	CREATININE	Enzymatic Colorimetri	Any Analyser ic (Automation / Semi Automation)	138	1.39	10.91	0.15	1.23 mg/dL	-1.05	0.03
4	T.BILIRUBIN	Others (DPD, Vanada Oxidation)	(Automation / Semi Automation)	205	3.20	12.17	0.39	4.3 mg/dL	2.82	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	956	5.25	9.77	0.51	5.1 g/dL	-0.29	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	674	3.31	8.11	0.27	3.2 g/dL	-0.41	0.02
7	CALCIUM	OCPC (O - Cresolpthalein Compleazone)	Any Analyser (Automation / Semi Automation)	177	9.32	8.24	0.77	8.9 mg/dL	-0.55	0.12
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	939	4.83	16.02	0.77	4 mg/dL	-1.07	0.05
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	974	113.44	5.89	6.68	118 mg/dL	0.68	0.43
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Poi	Automation)	935	109.13	7.82	8.54	120 mg/dL	1.27	0.56
11	HDL	Direct method / Enzymatic colorimetri	racomación	780	30.17	20.45	6.17	26.7 mg/dL	-0.56	0.44
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	969	132.67	2.93	3.88	139.3 mmol/L	1.71	0.25
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	997	3.42	5.15	0.18	3.52 mmol/L	0.57	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	809	97.51	4.13	4.03	106.3 mmol/L	2.18	0.28
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	967	50.29	10.00	5.03	65 U/L	2.92	0.32
16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	958	57.78	13.00	7.51	68 U/L	1.36	0.49
17	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	793	101.50	10.81	10.97	91 U/L	-0.96	0.78
18	AMYLASE	Enzymatic Colorimetr / G7PNP Blocked	ic Any Analyser (Automation / Semi Automation)	154	44.10	17.79	7.84	56 U/L	1.52	1.26
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. War							
Beyond ±3.0			Unacceptable performance	ce. Action Sign	ai.					

LAB ADDRESS : TELANGANA DIAGNOSTIC HUB GOVERNMENT GENERAL HOSPITAL 2/10/23, 1:22 PM

External Quality Assurance Scheme - Print Monthly Summary

NIZAMABAD TELANGANA503001

Panela Christudoss

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

Coordinator Contact Details: Email:clinqc@cmcvellore.ac.in Contact Number: 0416-2283102

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



TELANGANA DIAGNOSTICS HUB, NIZAMABAD

Form: TD/QSP/08-EQCAR

TITLE

с., <u>с</u>

EQAS CORRECTIVE ACTION FORM

Issue No. 01 Page 1 of 1

-	EQAS Details	CMC-EQAS Biochemistry
	Analyte:	Chemistry-I V
	Month:	
	Date Sample Tested:	17-09/-2023 .

			125	
SPECIMEN HANDLING		4		
Were specimens received in an acceptable condition?	Yes 🖉	No		
Were specimens stored according to the instructions on the result forms?	Yes 🖉	No		r
Were the samples hemolyzed?	Yes 🗆	No		
Were samples tested within the time allowed for sample stability?	Yes 🗹	No		
If applicable, were the samples reconstituted correctly?	Yes 🖸			
Notes: CME-EQAS Sample is reconstituted with	2m	1. 0	· ·	halle
distilled water and sun on the same	day	una	y 54	pervision
CLERICAL ERRORS	011	<u> </u>		
Were the results transcribed onto the result forms correctly?	Yes 🖻	No		
Were the results transcribed from the result forms to the website correctly?	Yes 🗹	No		
Were the results recorded on the correct result form?	Yes 🗹	No		
Was the correct instrument/reagent/kit selected?	Yes 🗹	No		
Were the results recorded in the correct units?	Yes 🗹	No		
Were the results on your evaluation the same as the results you reported?	Yes 🗹	No		
up tale have cross checked all the methods	and -	then		
entered the results complete				
QUALITY CONTROL		-		
Were quality control materials within the acceptable range on the date of PT testing? (Verify the quality control acceptable range in use.)	Yes 🗹	No		
Is there any indication of trending or shifting of the control results? (for few analyter)	Yes 🖻	No		
Notes: IQC is in sange for all parameters on	17.	- 02 -	202	
For feil manneters like caletum bilioubin -> Shift	js se	en bi	ut C	eli brata
	ne	1		-
Were there any problems with the most recent calibration?	Yes 🗆	No		
		calei		
	hstou	cton	s to i	flac
	022.			is out.
Notes: 01) q=02 23 Careaun, quarter intermediate	thin ine	are	-	
Calibrated and it is fine on 13-02-29 (C	alein	prny	lose	ar
calibrated and it is verified & accepted	•	U		
INSTRUMENT				

PREPARED BY : LAB MANAGER : SIRISHA	APPROVED & ISSUED BY: LAB HEAD: Dr. NADIPALLY DIVYA
REVIEWED BY CONSULTANT BIOCHEMIST	N. Dempor.

CONTROLLED COPY

	NIZAM	IGANA DIAGNOSTICS HUB, IABAD	Form:	TD/QS	P/08-	EQCAR
The DILG.	TITLE	EQAS CORRECTIVE ACTION FORM				sue No. 01 Page 1 of 1
Were instru	nent problem	s noted the day the same line in the same line is the sam	la alla d	í.		
		s noted the day the samples were tested?- Minor			No	
		analyzer manufacturer for assistance?	lacement		No	
Notes: In	A	Frequent minor breakdorphs ()		Yes B	No	
Notes		many clises and se	clified.	y <u>auso</u>	<u> </u>	ntactel
[REAGEN	TS				
Were the re	agents stored			Yes 🖉	No	
		ed or was the open vial stability exceeded?		Yes 🗆	No	
		inges in reagent manufacturer or formulation?		Yes 🗆	No	
Notes:		reagents were stored	le no instruc	elotaine Bors.	ed a	0
		PERSONNEL		<u> </u>	1	
			022 iith	Yes 🗹	No	
testing pers	sonnel to ensu	and proficiency test sample preparation instructions w are that instructions were followed onnel how samples were loaded to rule out misidentific		Yes 너	No	
or transpos	ition of sampl	es.	4	Yes 🛩	No	
Notes: ゴ	e whe	biochemistry process is supervi	-Hub (y the	-fo the	reaty
	- J	guidance of		iocheme	V,	
	Action: 1)Al	(GD	xcept	100 1	<u>)</u> '	
-0AB]	ige was		yay k	e f	8 am	den)
_ <u>error</u> lalig	notted	and stored at -20c)	<u> </u>	10-	03-	2023.
to the	de-du	value is 204 U/L	(190.	14 -	<u>t</u> 2	<u></u> <u>8</u> ,7
whic	h ís	in sange.			12	
Consultant E	rming Investig Biochemist	S. M. Swathi	Date: Date:	 & ISSUED	02- 02-	- <u>20</u> 23. 2023 -
I KEI AN		LAB HE	AD: Dr. NA	ADIPALLY	DIVY	'A
REVIEW	ED BY CON	SULTANT BIOCHEMIST	N.P	inger.		

CONTROLLED COPY

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TELANGANA DIAGNOSTICS HUB, NIZAMABAD

Form: TD/QSP/08-EQCAR

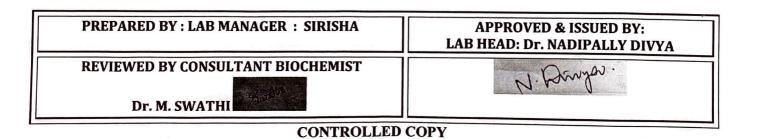
TITLE

EQAS CORRECTIVE ACTION FORM

Issue No. 01 Page 1 of 1

INVESTIGATION SUMMARY: ROOT CAUSE

Pre-analytic Phase of Testing	Analytic Phase of Testing	Post-Analytic Phase of Testing
PROBLEM WITH PT SAMPLE	METHODOLOGICAL PROBLEM	CLERICAL ERROR
SAMPLE PROCESSING		REPORTING PROBLEM
DATA ENTRY	REAGENT PROBLEM	NO EXPLANATION AFTER
$\Box \text{ OTHER (SPECIFY):}$		INVESTIGATION
-No		OTHER (SPEGIFY):
	$\Box \text{ OTHER (SPECIFY): } - NO -$	
PREVENTION		
Preventive action proposed		- All all and perf
- Maintenance and		is followed as peo
manufactures's insta	ictions.	
- IQC is selieved	doily.	P
the steen of frequen		e maintenance of
	nstrument is seconn	
Preventive action Plan		manufactizer.
-> Daily & exteduled	maintenance is done a	28 per 5.0.p.
mitried	alibration Sci	due is followed as sun (calibrated and and corrective actions:
-IQC is monumer		per s.o.p.
- If any outliess in) 10°C -0 ct 15 ce-	(Calibrated and
goot - Cause	analysis is done	and corrective altonic
		allowdinght.
- The technicians are	toused dequarty.	alian Haller Ali
- the faculty post	ed at T- this sup	svise the southre
1006K guild by		biochemistry.
(po-our)	U	V
Date 0-03-2023 Testing Person	nel Mr . Thisupathi	$(L \cdot T)$
Date 10-03-2023 Department To	echnical In charge Dr. M - Su	sothi (shuthi)
	He ftoD,	Biochemistry,





CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2023



Lab Name	TELANGANA DIAGNOSTIC HUB	Lab No	18032
Constituent Group	Chemistry I	Date of Result Entered :	20/02/2023
PT item	Lyophilized human serum based	Date of Report Published :	08/03/2023

SI.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Partic CV	ipants SD	Your Value	SDì	U
1	GLUCOSE	Hexokinase	Any Analyser (Automation / Semi Automation)	182	120.06	5.58	6.70	120 mg/dL	-0.01	0.99
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	648	129.71	8.40	10.90	128.7 mg/dL	-0.09	0.86
3	CREATININE	Enzymatic Colorimetri	Any Analyser c (Automation / Semi Automation)	151	5.17	6.52	0.34	4.95 mg/dL	-0.65	0.05
4	T.BILIRUBIN	Others (DPD, Vanadat Oxidation)	e Any Analyser (Automation / Semi Automation)	211	1.48	14.72	0.22	1.8 mg/dL	1.47	0.03
5	T-PROTEIN	Biuret - Colorimetric	[·] Any Analyser (Automation / Semi Automation)	1100	4.63	9.80	0.45	4.1 g/dL	-1.17	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	730	2.91	8.69	0.25	2.7 g/dL	-0.83	0.02
7	CALCIUM	OCPC (O - Cresolpthalein Compleazone)	Any Analyser (Automation / Semi Automation)	195	10.23	8.50	0.87	10.4 mg/dL	0.20	0.12
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1011	6.92	10.14	0.70	6.2 mg/dL	-1.03	0.04
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1046	98.66	7.43	7.33	100 mg/dL	0.18	0.45
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Poin	Automation / Semi Automation)	988	87.48	8.82	7.72	92 mg/dL	0.59	0.49
11	HDL	Direct method / Enzymatic colorimetrie	Automation	714	28.16	19.26	5.42	20.3 mg/dL	-1.45	0.41
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1147	120.46	4.12	4.96	126.4 mmol/L	1.20	0.29
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1129	5.00	5.46	0.27	4.86 mmol/L	-0.51	0.02
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	921	92.85	4.47	4.15	98.7 mmol/L	1.41	0.27
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1021	190.14	15.11	28.72	251 U/L	2.12	1.80
16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1025	49.30	15.70	7.74	52 U/L	0.35	0.48
17	AMYLASE	Enzymatic Colorimetr / G7PNP Blocked	ic Any Analyser (Automation / Semi Automation)	187	79.27	16.96	13.45	102 U/L	1.69	1.97
SDI Range			Interpretation							
Withi	n -1.00 to +1.00		Excellent.							
Within ±1.01 to ±2.00			Good.							
Within ±2.01 to ±2.99			Accept with caution. War	ning Signal.						
Beyond ±3.0			Unacceptable performance. Action Signal.							

LAB ADDRESS : TELANGANA DIAGNOSTIC HUB **GOVERNMENT GENERAL HOSPITAL** NIZAMABAD TELANGANA503001

External Quality Assurance Scheme - Print Monthly Summary

Panela Christudos

Coordinator Contact Detalls: Email:clinqc@cmcvellore.ac.in Contact Number: 0416-2283102 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