CHRISTIAN MEDICAL COLLEGE

PC-1024

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - APRIL 2024

Lab Name	SARAVANA HOSPITAL P LTD	Lab No	6745
Constituent Group	Chemistry II	Date of Result Entered :	13/04/2024
PT Item	Lyophilized human serum based	Date of Report Published :	08/05/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE II	GOD-POD II	Transasia / Erba	1060	209.37	8.72	18.26	166 mg/dL	-2.37	1.12
2	UREA II	Urease UV / GLDH II	Transasia / Erba	823	36.13	11.04	3.99	23 mg/dL	-2.04	0.28
3	CREATININE II	Jaffes Kinetic-Alkaline Picrate II	Transasia / Erba	685	3.52	12.57	0.44	2.67 mg/dL	-1.92	0.03
4	T.BILIRUBIN II	Diazonium Salt (Colorimetric) / Jendrassik II	Transasia / Erba	1044	5.79	12.40	0.72	4.9 mg/dL	-1.24	0.04
5	T-PROTEIN II	Biuret - Colorimetric II	Transasia / Erba	931	5.42	8.84	0.48	4.25 g/dL	-2.44	0.03
6	ALBUMIN II	BCG - Colorimetric II	Transasia / Erba	930	3.25	8.08	0.26	3.15 g/dL	-0.38	0.02
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Transasia / Erba	1051	6.88	11.90	0.82	5.6 mg/dL	-1.56	0.05
8	CHOLESTROL II	CHOD-PAP II	Transasia / Erba	1091	107.79	14.36	15.48	55 mg/dL	-3.41	0.94
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Transasia / Erba	1000	310.76	13.95	43.36	278 mg/dL	-0.76	2.74

u* - Method of Uncertainty

Z-Score	Interpretation
$\|z\| \leq 2.0$	Acceptable
$2.0 < \|z\| < 3.0$	Warning Signal
$\|z\| \geq 3.0$	Unacceptable (action Signal)

LAB ADDRESS :
SARAVANA HOSPITAL P LTD
DEPARTMENT OF LABORATORY, NO.14, THILLAI NAGAR, 1ST CROSS, PONNAMAPET
SALEM
TAMILNADU636001

Pamela Christudoss

Coordinator Contact Details:
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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
******* End of Report ******

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		CLINICAL BIO CHEMISTRY
	EQAS- ROOT CAUSE ANALYSIS FORM	

EQAS/ILC Programme or Provider Name : CMC EQAS					
Month & Year: April 2024		Cycle No: –		Sample No.: –	
1. Date sample received		Received by (sign):	**2.** Dates(s) Analysis performed	13.4.24	Done By (sign):
3. Date results submitted	13.4.24	Submitted by(sign):	**4.** Date results/feedback received	8.5.24	Reviewed By (sign):

DETAILS OF UNACCEPTABLE RESULT :

S.No	Analyte Name	Reported result	Result received (Scores)	Acceptable limits
1.	Cholesterol	55 mg/dL	-3.41	$\|z\| < 3.0$

EVALUATION OF POSSIBLE SOURCES OF ERROR

1. Clerical error	**Yes**	**No**	**N A**
Was the correct result / value transcribed from the instrument read out to workbook	✓		
Was the correct result / value transcribed from the workbook to EQAS report	✓		
Do the units of measure match between results form and instrument / your lab's unit	✓		
Is the decimal place correct / misplaced	✓		
Does the result reported by you in the result form match with that in the evaluation report	✓		
2. Procedural errors	**Yes**	**No**	**N A**
Was the written / usual procedure followed	✓		
Were reagents prepared according to procedure	✓		
Were the reagents within the open vial stability period (refer kit in use log)	✓		
Were Internal Quality control results acceptable on day of testing EQAS specimens for level I & II	✓		

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3. Analytical Errors:	Yes	No	N A
Was the calibration for the analyte in question done?	✓		
Was calibration status live or expired?	✓		
Was the most recent calibration result acceptable and within established stability limits at the time of EQAS / PT testing?	✓		
Was calibration done after the lot of reagent in use was put into use?	✓		
If there was a major equipment breakdown / maintenance after last EQAS Was recalibration done	✓		
Are the assay parameters in the equipment are as per product insert of analyte ?	✓		
Was the result unacceptable for the same analyte in the previous 2 cycles of EQAS ?		✓	
Are results for the analyte evenly distributed in previous EQAS cycle	✓		
Is there a trend or bias on review of previous EQAS results?		✓	
Do EQAS results show unacceptable results for same range of value (high, normal, low)		✓	
Were the intended results within the measuring range of instrument /kit?	✓		
Was any dilution done during analysis?		✓	
If dilution was done were results multiplied by dilution factor and sent to EQAS provider?		✓	
4. Instrument Maintenance	**Yes**	**No**	**N A**
Were there any equipment maintenance / breakdown just after EQAS /PT specimen analysis (next 1 week period) that could have affected results? (Review Equipment breakdown log)		✓	
Were there any equipment maintenance / change of critical parts just prior to EQAS /PT specimen processing? (Review Equipment breakdown log)		✓	
Were new reagents used / reagent lot changed just prior or after EQAS /PT specimen processing that could have caused problems because of QC results and calibration expiry ?		✓	
5. PT specimen	**Yes**	**No**	**N A**
Were EQAS /PT samples reconstituted correctly according instructions of EQAS provider? Volume of DW, use of glass pipette, swirling, complete dissolution, storage	✓		
Was the water quality good and checked recently	✓		
Were any special instructions provided by the kit instructions performed as indicated?	✓		
Were the correct tests performed on the correct vial of PT specimen? (if more than 1 PT specimen was provided)	✓		
Were your results graded with the appropriate peer group based on the method reported on the result form sent by you ?	✓		

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If **answer** to any of the **above Questions** was **'NO'** record the **corrective action taken** here:

Random error - May be due to pipetting, training given for proper reconstitution of Eqas sample to technicians.

Investigated By	**1st Review By**	**2nd Review By**
S. Kavitha	G. Kavitha	M.G Thi (Dr. M. Gomathi)
Senior Lab technician	Quality Manager	Lab Director
Date: 10.5.24	Date: 10.5.24.	Date: 10.5.24

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