



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**

Lab No **16195**

Constituent Group **Chemistry II**

Date of Result Entered : **20/07/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **07/08/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE II	GOD-POD II	Agape	528	99.64	9.18	9.15	94.3 mg/dL	-0.58	0.80
2	UREA II	Urease UV / GLDH II	Agape	512	132.98	12.67	16.85	33.62 mg/dL	-5.90	1.49
3	CREATININE II	Jaffes Kinetic- Alkaline Picrate II	Agape	399	2.19	8.46	0.18	1.09 mg/dL	-6.11	0.02
4	T.BILIRUBIN II	Diazonium Salt ( Colorimetric ) / Jendrassik II	Agape	464	3.22	14.83	0.48	0.52 mg/dL	-5.63	0.04
5	T-PROTEIN II	Biuret - Colorimetric II	Agape	364	5.92	7.58	0.45	5.42 g/dL	-1.11	0.05
6	ALBUMIN II	BCG - Colorimetric II	Agape	368	3.51	9.20	0.32	4.5 g/dL	3.06	0.03
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Agape	475	6.04	14.46	0.87	5.68 mg/dL	-0.41	0.08
8	CHOLESTROL II	CHOD-PAP II	Agape	557	126.33	11.97	15.12	198.3 mg/dL	4.76	1.28
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	406	117.65	12.94	15.22	97.6 mg/dL	-1.32	1.51

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

**LAB ADDRESS :**

**KG CLINICAL LABORATORY**

**526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA**

**IDUKKI**



KG Clinical Laboratory

## EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY  
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME  
Cycle / Sample No. : CHEMISTRY - II  
Month and year : July-2023  
Nature of Nonconformance :

Urea, Creatinine, Total bilirubin and cholesterol parameters were in action signal.

Root Cause :  
Random error and IQC done successfully and found to satisfactory

### Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, we planned to monitor lab mean to improve our laboratory on quality and patient care.

Done By:

Approved By:



*Review during the next EQAS / Effectiveness of Corrective Action:*

*Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.*

Done By:

Approved By:







# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - AUGUST 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**

Lab No **16195**

Constituent Group **Chemistry II**

Date of Result Entered : **19/08/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **01/09/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE II	GOD-POD II	Agape	546	183.98	9.01	16.57	226.8 mg/dL	2.58	1.42
2	UREA II	Urease UV / GLDH II	Agape	461	22.14	13.94	3.09	28.45 mg/dL	2.04	0.29
3	CREATININE II	Jaffes Kinetic- Alkaline Picrate II	Agape	399	5.74	9.54	0.55	2.3 mg/dL	-6.25	0.05
4	T.BILIRUBIN II	Diazonium Salt ( Colorimetric ) / Jendrassik II	Agape	457	2.23	15.39	0.34	4.08 mg/dL	5.44	0.03
5	T-PROTEIN II	Biuret - Colorimetric II	Agape	371	5.60	8.22	0.46	6.81 g/dL	2.63	0.05
6	ALBUMIN II	BCG - Colorimetric II	Agape	362	3.38	9.16	0.31	4.4 g/dL	3.29	0.03
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Agape	459	6.67	12.17	0.81	5.58 mg/dL	-1.34	0.08
8	CHOLESTROL II	CHOD-PAP II	Agape	516	120.10	10.06	12.08	127.6 mg/dL	0.62	1.06
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	389	130.74	10.63	13.89	128.1 mg/dL	-0.19	1.41

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

**LAB ADDRESS :**

**KG CLINICAL LABORATORY**

**526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA**

**IDUKKI**



KG Clinical Laboratory

## EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY  
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME  
Cycle / Sample No. : CHEMISTRY - II  
Month and year : Aug-2023  
Nature of Nonconformance :

Total bilirubin and creatinine parameters were in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By:

Approved By:



*Review during the next EQAS / Effectiveness of Corrective Action:*

*Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.*

Done By:

Approved By:







# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**

Lab No **16195**

Constituent Group **Chemistry II**

Date of Result Entered : **20/09/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/10/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE II	GOD-POD II	Agape	569	342.22	9.37	32.08	316.9 mg/dL	-0.79	2.69
2	UREA II	Urease UV / GLDH II	Agape	535	37.68	12.06	4.55	28.43 mg/dL	-2.03	0.39
3	CREATININE II	Jaffes Kinetic- Alkaline Picrate II	Agape	412	1.10	13.18	0.14	1.34 mg/dL	1.66	0.01
4	T.BILIRUBIN II	Diazonium Salt ( Colorimetric ) / Jendrassik II	Agape	458	5.34	13.19	0.70	1.05 mg/dL	-6.13	0.07
5	T-PROTEIN II	Biuret - Colorimetric II	Agape	384	5.51	8.20	0.45	5.39 g/dL	-0.27	0.05
6	ALBUMIN II	BCG - Colorimetric II	Agape	384	3.31	9.32	0.31	3.66 g/dL	1.13	0.03
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Agape	458	10.00	11.26	1.13	8.38 mg/dL	-1.44	0.11
8	CHOLESTROL II	CHOD-PAP II	Agape	536	116.00	10.85	12.59	113.9 mg/dL	-0.17	1.09
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	418	201.87	10.68	21.56	184.7 mg/dL	-0.80	2.11

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

LAB ADDRESS :

KG CLINICAL LABORATORY

526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA

IDUKKI



KG Clinical Laboratory

**EQA CORRECTIVE ACTION FORM**

Name of the department : BIOCHEMISTRY  
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME  
Cycle / Sample No. : CHEMISTRY - II  
Month and year : SEP-2023  
Nature of Nonconformance :

Total bilirubin parameter is in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By:

Approved By:



*Review during the next EQAS / Effectiveness of Corrective Action:*

*Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.*

Done By:

Approved By:







# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **KG CLINICAL LABORATORY**Lab No **16195**Constituent Group **Chemistry II**Date of Result Entered : **18/10/2023**PT item **Lyophilized human serum based**Date of Report Published : **04/11/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE II	GOD-POD II	Agape	566	131.74	9.55	12.58	142.1 mg/dL	0.82	1.06
2	UREA II	Urease UV / GLDH II	Agape	476	86.59	9.95	8.61	80.52 mg/dL	-0.70	0.79
3	CREATININE II	Jaffes Kinetic- Alkaline Picrate II	Agape	402	6.62	9.56	0.63	6.19 mg/dL	-0.68	0.06
4	T.BILIRUBIN II	Diazonium Salt ( Colorimetric ) / Jendrassik II	Agape	449	8.58	10.71	0.92	2.61 mg/dL	-6.49	0.09
5	T-PROTEIN II	Biuret - Colorimetric II	Agape	314	5.47	7.00	0.38	5.71 g/dL	0.63	0.04
6	ALBUMIN II	BCG - Colorimetric II	Agape	372	3.23	9.35	0.30	3.73 g/dL	1.66	0.03
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Agape	417	4.87	15.03	0.73	6.43 mg/dL	2.13	0.07
8	CHOLESTROL II	CHOD-PAP II	Agape	529	107.32	11.49	12.33	94.9 mg/dL	-1.01	1.07
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	381	96.29	15.53	14.95	80.8 mg/dL	-1.04	1.53

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

## LAB ADDRESS :

KG CLINICAL LABORATORY  
526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA  
IDUKKI



KG Clinical Laboratory

**EQA CORRECTIVE ACTION FORM**

Name of the department : BIOCHEMISTRY

EQA Programme Name : CMC VELLORE – EQAS PROGRAMME

Cycle / Sample No. : CHEMISTRY - II

Month and year : OCT-2023

Nature of Nonconformance :

Total bilirubin parameter is in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By: 

Approved By:   


*Review during the next EQAS / Effectiveness of Corrective Action:*

*Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.*

Done By: 

Approved By:   






## CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **KG CLINICAL LABORATORY**  
Constituent Group **Chemistry II**  
PT item **Lyophilized human serum based**

Lab No **16195**  
Date of Result Entered : **19/11/2023**  
Date of Report Published : **05/12/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No. of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE II	GOD-POD II	Agape	550	243.06	8.33	20.24	243.8 mg/dL	0.04	1.73
2	UREA II	Urease UV / GLDH II	Agape	487	67.82	9.69	6.57	60.82 mg/dL	-1.06	0.60
3	CREATININE II	Jaffes Kinetic- Alkaline Picrate II	Agape	401	4.10	8.95	0.37	3.9 mg/dL	-0.54	0.04
4	T.BILIRUBIN II	Diazonium Salt ( Colorimetric ) / Jendrassik II	Agape	429	1.11	19.13	0.21	3.58 mg/dL	11.76	0.02
5	T-PROTEIN II	Biuret - Colorimetric II	Agape	371	4.56	9.74	0.44	4.26 g/dL	-0.68	0.05
6	ALBUMIN II	BCG - Colorimetric II	Agape	363	2.88	10.62	0.31	3.05 g/dL	0.56	0.03
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Agape	448	8.28	9.45	0.78	8.5 mg/dL	0.28	0.07
8	CHOLESTROL II	CHOD-PAP II	Agape	531	95.89	11.38	10.92	120.5 mg/dL	2.25	0.95
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	410	83.30	15.12	12.60	95.18 mg/dL	1.02	1.24

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 :  
KG CLINICAL LABORATORY  
526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA  
IDUKKI



# KG CLINICAL LABORATORY

## FULLY AUTOMATED DIAGNOSTIC CENTRE

526/4 Puthenpurackal Building, Theatre Jn.,  
Anakkara - 685 512 | Ph: 04868 283599, 9562701052  
E-mail : thavamkgcl2014@gmail.com

### EQAS CORRECTIVE ACTION FORM

Name of the Department : BIOCHEMISTRY  
EQA programme Name : CMC VELLORE-EQAS PROGRAMME  
Cycle/sample no. : CHEMISTRY=II  
Month and year : NOV - 2023  
Nature of Nonconformance

Total bilirubin parameter is in action single

Root Cause :  
Random error and IQC done successfully and found to  
satisfactory

Corrective and preventive action taken :

As per the suggestion of NABL advisory consultants, EQAS  
programme samples will be analysed, processed to monitor accordingly

Done by :



Review during the next EQAS/effectiveness of corrective Action :

Next month of EQAS programme samples will be analysed, processed to monitor accordingly

Done by :



NABL CERTIFIED PIPETTE - EXTERNAL QUALITY CONTROL, CMC VELLORE



ISO 9001:2015 CERTIFIED LABORATORY

Working Hours: 6.00 am to 8.00 pm | Sunday: 6.00 am to 5.00 pm



## CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **KG CLINICAL LABORATORY** Lab No **16195**  
Constituent Group **Chemistry II** Date of Result Entered : **16/12/2023**  
PT Item **Lyophilized human serum based** Date of Report Published : **02/01/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE II	GOD-POD II	Agape	541	104.49	8.15	8.52	92.7 mg/dL	-1.38	0.73
2	UREA II	Urease UV / GLDH II	Agape	464	110.56	10.97	12.12	70.25 mg/dL	-3.33	1.13
3	CREATININE II	Jaffes Kinetic- Alkaline Picrate II	Agape	399	1.64	9.76	0.16	1.34 mg/dL	-1.88	0.02
4	T.BILIRUBIN II	Diazonium Salt ( Colorimetric ) / Jendrassik II	Agape	445	4.89	11.58	0.57	4.18 mg/dL	-1.25	0.05
5	T-PROTEIN II	Biuret - Colorimetric II	Agape	360	5.08	8.40	0.43	4.67 g/dL	-0.96	0.05
6	ALBUMIN II	BCG - Colorimetric II	Agape	361	3.16	9.44	0.30	2.96 g/dL	-0.67	0.03
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Agape	463	5.40	13.40	0.72	5.76 mg/dL	0.50	0.07
8	CHOLESTROL II	CHOD-PAP II	Agape	516	104.56	10.65	11.13	104.2 mg/dL	-0.03	0.98
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	380	140.46	10.80	15.17	125.07 mg/dL	-1.01	1.56

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 :  
KG CLINICAL LABORATORY  
526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA  
IDUKKI





# KG CLINICAL LABORATORY

## FULLY AUTOMATED DIAGNOSTIC CENTRE

526/4 Puthenpurackal Building, Theatre Jn.,  
Anakkara - 685 512 | Ph: 04868 283599, 9562701052  
E-mail : thavamkgcl2014@gmail.com

Confidential Lab Report

### EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY

EQA programme Name : CMC VELLORE- EQAS PROGRAMME

Cycle/ sample no : CHEMISTRY -11

Month of year : DEC 2023

Name of Nonconformance :

Urea parameter is in action signal

Root cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken :

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analysed, processed to monitor accordingly

Done By :

Approved By :

Review during the next EQAS/Effectiveness of Corrective Action :

Next month of EQAS programme samples will be analysed, processed to monitor accordingly.

Done By :

Approved By :



NABL CERTIFIED PIPPETTE - EXTERNAL QUALITY CONTROL, CMC VELLORE



ISO 9001:2015 CERTIFIED LABORATORY

Working Hours: 6.00 am to 8.00 pm | Sunday: 6.00 am to 5.00 pm