



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2021



PC-1024

Lab Name DOCTORS LABORATORY Lab No 14250  
 Constituent Group Chemistry I Date of Result Entered : 20/01/2021  
 PT item Lyophilized Serum Date of Report Published : 05/02/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	620	124.40	8.91	11.08	123 mg/dl	-0.13	0.89
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	486	31.73	12.97	4.12	35.8 mg/dl	0.99	0.37
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	398	1.55	13.38	0.21	1.64 mg/dl	0.43	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	516	2.26	18.19	0.41	2.51 mg/dl	0.61	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	546	5.11	9.23	0.47	5.2 g/dl	0.19	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	554	3.16	9.09	0.29	2.62 g/dl	-1.88	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	437	8.60	10.22	0.88	7.3 mg/dl	-1.48	0.08
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	538	5.10	17.21	0.88	4.12 mg/dl	-1.12	0.08
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	573	106.05	10.21	10.83	101 mg/dl	-0.47	0.90
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	548	132.00	12.46	16.44	134 mg/dl	0.12	1.40
11	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	377	26.45	20.78	5.50	24.4 mg/dl	-0.37	0.57
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	394	139.59	3.46	4.83	143.7 mmol/L	0.85	0.49
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	395	2.98	5.77	0.17	3.03 mmol/L	0.29	0.02
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	302	103.53	4.08	4.22	105.9 mmol/L	0.56	0.49
15	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	144	21.43	14.02	3.00	23.9 mmol/L	0.82	0.50
16	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	378	57.33	14.23	8.16	59 U/L	0.20	0.84
17	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	354	56.69	18.50	10.49	71 U/L	1.36	1.12
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	356	84.96	16.59	14.09	68 U/L	-1.20	1.49

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JANUARY 2021



Lab Name DOCTORS LABORATORY Lab No 14250  
Constituent Group HbA1c Date of Result Entered : 20/01/2021  
PT item Lyophilized Whole blood Date of Report Published : 05/02/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	217	5.77	10.58	0.61	5.3 %	-0.77	0.08

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.

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

Homogeneity and Stability of the sample is passed.  
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\*\*\*\*\* End of Report \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
 CMC EXTERNAL QUALITY ASSURANCE SCHEME  
 MONTHLY SUMMARY REPORT - FEBRUARY 2021



PC-1024

Lab Name DOCTORS LABORATORY Lab No 14250  
 Constituent Group Chemistry I Date of Result Entered : 22/02/2021  
 PT item Lyophilized Serum Date of Report Published : 06/03/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	625	256.78	8.53	21.90	252 mg/dl	-0.22	1.75
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	526	45.71	11.02	5.04	45.4 mg/dl	-0.06	0.44
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	422	1.80	10.23	0.18	1.54 mg/dl	-1.41	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	558	3.68	16.35	0.60	3.97 mg/dl	0.48	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	591	5.27	9.41	0.50	5.5 g/dl	0.46	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	592	3.22	9.28	0.30	2.7 g/dl	-1.74	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	440	10.35	8.59	0.89	11.3 mg/dl	1.07	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	315	5.35	13.06	0.70	7.9 mg/dl	3.64	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	564	8.29	12.25	1.02	7.6 mg/dl	-0.68	0.09
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	588	107.89	10.13	10.93	140 mg/dl	2.94	0.90
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	549	97.03	12.55	12.18	107 mg/dl	0.82	1.04
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	384	26.29	17.31	4.55	28.4 mg/dl	0.46	0.46
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	484	135.87	3.17	4.30	138.6 mmol/L	0.63	0.39
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	484	4.50	5.83	0.26	4.4 mmol/L	-0.38	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	374	102.10	4.07	4.15	104.7 mmol/L	0.63	0.43
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	145	20.26	16.67	3.38	23.2 mmol/L	0.87	0.56
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	559	84.74	14.08	11.93	99 U/L	1.20	1.01
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	444	96.68	15.88	15.35	126 U/L	1.91	1.46
19	ALP	PNP AMP kinetic	Any Analyser	363	90.03	14.90	13.41	88 U/L	-0.15	1.41

20	AMYLASE	CNPG3	(Automation / Semi Automation) Any Analyser (Automation / Semi Automation)	337	104.14	16.37	17.04	89 U/L	-0.89	1.86
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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.

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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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DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - FEBRUARY 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	21/02/2021
PT item	Lyophilized Whole blood	Date of Report Published :	06/03/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	160	9.12	11.15	1.02	9.7 %	0.57	0.16

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.

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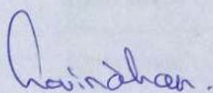
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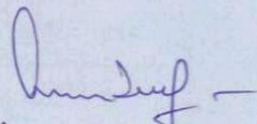
### EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY.  
EQA Programme Name : CMC EQAS CHEMISTRY-1  
Cycle / Sample No. : -  
Month and year : FEBRUARY- 2021  
Nature of Nonconformance : phosphorus SPI 3.64

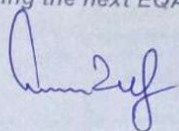
Root Cause : RO water conductivity is high.

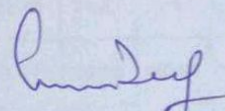
Corrective and Preventive action taken: changed RO Resin and checked TDS within the range. IAC found above parameters within the range.

Done By: 

  
Approved By:

Review during the next EQAS / Effectiveness of Corrective Action:

Done By: 

  
Approved By:



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2021



PC-1024

Lab Name DOCTORS LABORATORY

Lab No 14250

Constituent Group Chemistry I

Date of Result Entered : 19/03/2021

PT item Lyophilized Serum

Date of Report Published : 01/04/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	698	170.15	8.92	15.17	174 mg/dl	0.25	1.15
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	566	120.83	10.59	12.79	143.8 mg/dl	1.80	1.08
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	453	5.84	11.89	0.69	6.1 mg/dl	0.37	0.07
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	596	2.88	17.09	0.49	3.4 mg/dl	1.05	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	675	5.46	9.99	0.55	5.6 g/dl	0.26	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	639	3.25	8.80	0.29	3.1 g/dl	-0.52	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	485	11.10	9.81	1.09	11.1 mg/dl	0.00	0.10
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	338	3.92	16.09	0.63	4.8 mg/dl	1.39	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	596	6.46	13.84	0.89	5.7 mg/dl	-0.85	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	660	112.45	9.77	10.98	108 mg/dl	-0.41	0.85
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	616	172.55	11.12	19.19	158 mg/dl	-0.76	1.55
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	411	26.09	18.54	4.84	30.4 mg/dl	0.89	0.48
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	524	131.85	3.71	4.89	137.8 mmol/L	1.22	0.43
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	520	3.89	4.75	0.18	4.1 mmol/L	1.14	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	406	101.59	4.14	4.20	106.4 mmol/L	1.14	0.42
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	146	18.45	21.22	3.92	23 mmol/L	1.16	0.65
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	586	161.74	12.69	20.53	184 U/L	1.08	1.70
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	578	86.36	16.84	14.54	88 U/L	0.11	1.21
19	ALP	PNP AMP kinetic	Any Analyser	416	203.66	16.14	32.88	275 U/L	2.17	3.22



			(Automation / Semi Automation )							
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	345	54.69	15.74	8.61	40 U/L	-1.71	0.93

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.

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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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DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	19/03/2021
PT item	Lyophilized Whole blood	Date of Report Published :	01/04/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	198	6.08	12.25	0.74	6.2 %	0.16	0.11

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.

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 \*\*\*\*\* End of Report \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - APRIL 2021



Lab Name DOCTORS LABORATORY Lab No 14250  
Constituent Group Chemistry I Date of Result Entered : 20/04/2021  
PT item Lyophilized Serum Date of Report Published : 01/05/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	697	151.47	8.08	12.24	136.7 mg/dl	-1.21	0.93
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	562	60.72	10.31	6.26	62.3 mg/dl	0.25	0.53
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	460	2.70	11.29	0.30	2.4 mg/dl	-0.98	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	547	2.53	16.82	0.43	2.7 mg/dl	0.40	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	660	5.35	9.53	0.51	5.05 g/dl	-0.59	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	647	3.25	9.17	0.30	2.8 g/dl	-1.51	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	479	10.70	8.52	0.91	10.2 mg/dl	-0.55	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	313	7.75	15.22	1.18	0.96 mg/dl	-5.75	0.13
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	655	6.17	15.25	0.94	4.96 mg/dl	-1.29	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	668	116.11	9.53	11.06	117 mg/dl	0.08	0.86
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	613	134.29	12.28	16.49	153 mg/dl	1.13	1.33
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	423	27.05	17.44	4.72	32.3 mg/dl	1.11	0.46
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	541	134.22	3.33	4.47	137.2 mmol/L	0.67	0.38
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	546	6.05	7.91	0.48	6.7 mmol/L	1.36	0.04
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	424	105.57	4.34	4.59	110.6 mmol/L	1.10	0.45
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	112	17.80	22.55	4.01	22.8 mmol/L	1.25	0.76
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	581	48.52	12.98	6.30	53 U/L	0.71	0.52
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	449	220.66	14.32	31.59	213 U/L	-0.24	2.98
19	ALP	PNP AMP kinetic	Any Analyser	450	133.68	17.66	23.60	136 U/L	0.10	2.23

20	AMYLAASE	CNPG3	(Automation / Semi Automation) Any Analyser (Automation / Semi Automation)	393	100.27	19.24	19.30	84 U/L	-0.84	1.95
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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.

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Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - APRIL 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	20/04/2021
PT item	Lyophilized Whole blood	Date of Report Published :	01/05/2021

SLNo	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	219	7.10	13.38	0.95	6.78 %	-0.34	0.13

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

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

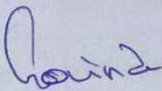
Homogeneity and Stability of the sample is passed.  
Data in CMC EQAS reports is confidential  
CMC EQAS does not sub contract any components  
\*\*\*\*\* End of Report \*\*\*\*\*

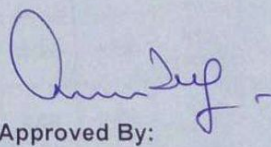
### EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY  
EQA Programme Name : CMC EQAS Chemistry - I  
Cycle / Sample No. : -  
Month and year : APRIL - 2021  
Nature of Nonconformance : phosphorus SDI - 5.25

Root Cause : Typing Error. wrongly typed D. Bilirubin  
value instead of phosphorus.

Corrective and Preventive action taken: All EQAS report sample  
will be verify two persons before submit  
in the portal.

Done By: 

Approved By: 

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By:



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MAY 2021



PC-1024

Lab Name DOCTORS LABORATORY Lab No 14250  
 Constituent Group Chemistry I Date of Result Entered : 22/05/2021  
 PT item Lyophilized Serum Date of Report Published : 05/06/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation )	657	212.15	9.39	19.91	221 mg/dl	0.44	1.55
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation )	545	76.44	11.22	8.58	90 mg/dl	1.58	0.73
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation )	444	3.12	12.76	0.40	3.7 mg/dl	1.46	0.04
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation )	564	2.63	17.53	0.46	3 mg/dl	0.80	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation )	602	5.29	10.14	0.54	0.38 g/dl	-9.09	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation )	606	3.20	9.49	0.30	5.27 g/dl	6.9	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	458	9.91	8.25	0.82	2.89 mg/dl	-8.56	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation )	271	3.59	14.72	0.53	2.38 mg/dl	-2.28	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation )	495	4.77	16.15	0.77	3.63 mg/dl	-1.48	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation )	616	110.22	10.68	11.78	108 mg/dl	-0.19	0.95
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation )	571	150.09	11.26	16.89	138 mg/dl	-0.72	1.41
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation )	396	26.60	16.66	4.43	31 mg/dl	0.99	0.45
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	529	138.84	3.34	4.64	140 mmol/L	0.25	0.40
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	543	4.02	5.99	0.24	4.2 mmol/L	0.75	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	411	104.52	4.45	4.65	109 mmol/L	0.96	0.46
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation )	142	21.17	17.29	3.66	23 mmol/L	0.50	0.61
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation )	600	61.43	16.04	9.85	72 U/L	1.07	0.80
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation )	512	87.92	20.38	17.92	93 U/L	0.28	1.58
19	ALP	PNP AMP kinetic	Any Analyser	391	484.28	19.03	92.18	592 U/L	1.17	9.32

			(Automation / Semi Automation)							
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	357	155.66	18.90	29.42	133 U/L	-0.77	3.11

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*





# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - MAY 2021



Lab Name DOCTORS LABORATORY Lab No 14250  
Constituent Group HbA1c Date of Result Entered : 22/05/2021  
PT item Lyophilized Whole blood Date of Report Published : 05/06/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	212	6.38	12.93	0.82	5.62 %	-0.92	0.11

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*

### EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY  
EQA Programme Name : CMC EQAS Chemistry - D  
Cycle / Sample No. : -  
Month and year : MAY 2021  
Nature of Nonconformance : Total protein and calcium above the SPI range.

Root Cause : Typing Error.

Corrective and Preventive action taken: Both calcium, total protein rechecked with the instrument found to be normal. two stop verification implemented for EQAS report submission.

Done By: haincha

[Signature]  
Approved By:

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By:



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JUNE 2021



Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	Chemistry I	Date of Result Entered :	21/06/2021
PT item	Lyophilized Serum	Date of Report Published :	03/07/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	685	406.06	8.98	36.45	433 mg/dl	0.74	2.79
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	551	24.95	13.42	3.35	27.9 mg/dl	0.88	0.29
3	CREATININE	Jaffes Kinetic - Alkaine picrate	Any Analyser (Automation / Semi Automation)	455	5.08	11.49	0.58	4.94 mg/dl	-0.24	0.05
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	530	1.16	19.90	0.23	1.47 mg/dl	1.35	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	629	4.48	10.94	0.49	4.13 g/dl	-0.71	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	636	2.75	10.72	0.30	2.25 g/dl	-1.69	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	490	9.12	9.01	0.82	8.6 mg/dl	-0.63	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	329	3.28	15.15	0.50	3.58 mg/dl	0.60	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	530	3.51	18.01	0.63	3.14 mg/dl	-0.58	0.05
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	660	94.73	10.00	9.48	115 mg/dl	2.14	0.74
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	626	84.23	13.70	11.54	95 mg/dl	0.93	0.92
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	407	23.45	17.82	4.18	19.9 mg/dl	-0.85	0.41
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	558	119.11	4.35	5.18	116.5 mmol/L	-0.50	0.44
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	559	2.81	5.91	0.17	3.41 mmol/L	3.61	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	426	87.50	6.50	5.68	91 mmol/L	0.62	0.55
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	156	19.86	16.73	3.32	20 mmol/L	0.04	0.53
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	602	30.32	15.76	4.78	30 U/L	-0.07	0.39
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	479	225.70	21.14	47.71	181 U/L	-0.94	4.36
19	ALP	PNP AMP kinetic	Any Analyser	406	106.78	18.01	19.23	116 U/L	0.48	1.91

			(Automation / Semi Automation )							
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	338	36.01	14.65	5.28	29 U/L	-1.33	0.57

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JUNE 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	21/06/2021
PT item	Lyophilized Whole blood	Date of Report Published :	03/07/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	230	7.74	11.72	0.91	7.14 %	-0.66	0.12

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*



### EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY  
EQA Programme Name : CHEMISTRY  
Cycle / Sample No. :  
Month and year : June-2021  
Nature of Nonconformance : Kit overruns found to be SD1361

Root Cause : Kit Electrode having issue.

Corrective and Preventive action taken:

replaced kit Electrode and  
reviewed next cycle sample for the  
same.

Done By: [Signature]

Approved By: [Signature]

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By:

### EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY  
 EQA Programme Name : CME EQAS Chemistry - II  
 Cycle / Sample No. : -  
 Month and year : June - 2021  
 Nature of Nonconformance : Kit outlays found to be SD1361

Root Cause : Kit Electrode having issue.

Corrective and Preventive action taken: Replaced kit Electrode and reviewed next cycle sample for the same.

Done By: Pravind

Approved By: [Signature]

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By:



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2021



PC-1024

Lab Name DOCTORS LABORATORY

Lab No 14250

Constituent Group Chemistry I

Date of Result Entered : 20/07/2021

PT item Lyophilized Serum

Date of Report Published : 02/08/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	704	100.34	9.43	9.46	94.4 mg/dl	-0.63	0.71
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	573	137.38	10.95	15.04	155.2 mg/dl	1.18	1.26
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	482	7.60	12.25	0.93	6.95 mg/dl	-0.70	0.08
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	568	5.80	13.03	0.76	6.02 mg/dl	0.29	0.06
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	691	5.29	11.14	0.59	5.1 g/dl	-0.32	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	671	3.21	9.25	0.30	2.65 g/dl	-1.89	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	476	10.29	7.90	0.81	9.5 mg/dl	-0.97	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	319	6.39	12.37	0.79	7.5 mg/dl	1.41	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	672	8.84	13.24	1.17	9.8 mg/dl	0.82	0.09
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	678	107.24	11.24	12.06	112 mg/dl	0.39	0.93
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	635	220.96	11.08	24.48	182 mg/dl	-1.59	1.94
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	456	27.11	18.80	5.10	27.9 mg/dl	0.16	0.48
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	579	142.97	3.40	4.87	143.2 mmol/L	0.05	0.40
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	580	3.56	5.79	0.21	3.41 mmol/L	-0.73	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	455	102.25	4.39	4.49	105.2 mmol/L	0.66	0.42
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	150	24.80	14.37	3.56	23.8 mmol/L	-0.28	0.58
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	630	108.24	17.71	19.17	124 U/L	0.82	1.53
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	447	35.74	18.78	6.71	32 U/L	-0.56	0.63
19	ALP	PNP AMP kinetic	Any Analyser	427	146.72	16.69	24.49	159 U/L	0.50	2.37





# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JULY 2021



Lab Name DOCTORS LABORATORY

Lab No 14250

Constituent Group Chemistry I

Date of Result Entered : 20/07/2021

PT Item Lyophilized Serum

Date of Report Published : 02/08/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	704	100.34	9.43	9.46	94.4 mg/dl	-0.63	0.71
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	573	137.38	10.95	15.04	155.2 mg/dl	1.18	1.26
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	482	7.60	12.25	0.93	6.95 mg/dl	-0.70	0.08
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation)	568	5.80	13.03	0.76	6.02 mg/dl	0.29	0.06
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	691	5.29	11.14	0.59	5.1 g/dl	-0.32	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	671	3.21	9.25	0.30	2.65 g/dl	-1.89	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	476	10.29	7.90	0.81	9.5 mg/dl	-0.97	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	319	6.39	12.37	0.79	7.5 mg/dl	1.41	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	672	8.84	13.24	1.17	9.8 mg/dl	0.82	0.09
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	678	107.24	11.24	12.06	112 mg/dl	0.39	0.93
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	635	220.96	11.08	24.48	182 mg/dl	-1.59	1.94
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	456	27.11	18.80	5.10	27.9 mg/dl	0.16	0.48
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	579	142.97	3.40	4.87	143.2 mmol/L	0.05	0.40
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	580	3.56	5.79	0.21	3.41 mmol/L	-0.73	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	455	102.25	4.39	4.49	105.2 mmol/L	0.66	0.42
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	150	24.80	14.37	3.56	23.8 mmol/L	-0.28	0.58
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	630	108.24	17.71	19.17	124 U/L	0.82	1.53
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	447	35.74	18.78	6.71	32 U/L	-0.56	0.63
19	ALP	PNP AMP kinetic	Any Analyser	427	146.72	16.69	24.49	159 U/L	0.50	2.37

20	AMYLASE	CNPG3	(Automation / Semi Automation) Any Analyser (Automation / Semi Automation)	393	111.19	17.02	18.93	57 U/L	-2.86	1.91
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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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JULY 2021



Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	20/07/2021
PT Item	Lyophilized Whole blood	Date of Report Published :	02/08/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	236	8.07	13.89	1.12	7.86 %	-0.19	0.15

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
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Coordinator Contact Details:  
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Christian Medical College, Vellore

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CMC EQAS does not sub contract any components  
\*\*\*\*\* End of Report \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - AUGUST 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	Chemistry I	Date of Result Entered :	20/08/2021
PT item	Lyophilized Serum	Date of Report Published :	01/09/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	661	208.21	8.82	18.37	191 mg/dl	-0.94	1.43
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	552	76.23	10.49	7.99	82.7 mg/dl	0.81	0.68
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	465	3.19	11.60	0.37	3.74 mg/dl	1.49	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation)	566	2.65	17.54	0.46	3.12 mg/dl	1.01	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	667	5.28	10.68	0.56	5.95 g/dl	1.19	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	623	3.16	8.70	0.28	2.55 g/dl	-2.22	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	455	9.86	8.53	0.84	10.4 mg/dl	0.64	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	313	3.62	14.76	0.54	4.6 mg/dl	1.83	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	541	4.78	16.55	0.79	4.3 mg/dl	-0.61	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	632	108.97	10.30	11.23	111 mg/dl	0.18	0.89
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	623	150.12	11.79	17.70	145 mg/dl	-0.29	1.42
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	442	27.12	18.97	5.14	29.3 mg/dl	0.42	0.49
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	561	138.42	3.00	4.16	139.3 mmol/L	0.21	0.35
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	560	4.02	5.08	0.20	3.95 mmol/L	-0.34	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	435	104.23	4.22	4.40	109.4 mmol/L	1.17	0.42
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	149	21.10	16.26	3.43	24 mmol/L	0.85	0.56
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	611	60.46	15.93	9.63	69 U/L	0.89	0.78
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	522	91.37	18.61	17.01	84 U/L	-0.43	1.49
19	ALP	PNP AMP kinetic	Any Analyser	367	495.15	16.84	83.38	510 U/L	0.18	8.70

20	AMYLASE	CNPG3	(Automation / Semi Automation) Any Analyser (Automation / Semi Automation)	371	154.87	18.64	28.87	91 U/L	-2.21	3.00
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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
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Coordinator Contact Details:  
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Contact Number: 0416-2283102

*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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - AUGUST 2021



Lab Name DOCTORS LABORATORY Lab No 14250  
Constituent Group HbA1c Date of Result Entered : 20/08/2021  
PT item Lyophilized Whole blood Date of Report Published : 01/09/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	219	7.52	11.72	0.88	7.51 %	-0.01	0.12

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 :  
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\*\*\*\*\* End of Report \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - SEPTEMBER 2021



PC-1024

Lab Name DOCTORS LABORATORY

Lab No 14250

Constituent Group Chemistry I

Date of Result Entered : 19/09/2021

PT Item Lyophilized Serum

Date of Report Published : 05/10/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	709	81.33	9.78	7.96	81 mg/dl	-0.04	0.60
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	578	93.58	10.00	9.36	95.4 mg/dl	0.19	0.78
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	479	7.01	11.04	0.77	8.31 mg/dl	1.68	0.07
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	541	1.75	16.28	0.28	1.8 mg/dl	0.18	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	666	5.37	9.63	0.52	7.24 g/dl	3.6	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	661	3.31	8.84	0.29	3.26 g/dl	-0.17	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	504	8.67	9.82	0.85	9.3 mg/dl	0.74	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	351	3.35	17.69	0.59	4.1 mg/dl	1.27	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	633	7.81	11.90	0.93	7.8 mg/dl	-0.01	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	667	111.25	8.59	9.55	141 mg/dl	3.11	0.74
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	615	245.32	10.30	25.26	255 mg/dl	0.38	2.04
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	443	27.77	16.06	4.46	29.8 mg/dl	0.46	0.42
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	605	127.77	3.62	4.62	127.6 mmol/L	-0.04	0.38
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	608	5.30	5.64	0.30	4.1 mmol/L	-4.01	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	472	103.50	4.05	4.19	112 mmol/L	2.03	0.39
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	120	15.81	27.99	4.42	21.1 mmol/L	1.20	0.81
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	655	87.31	12.32	10.75	88 U/L	0.06	0.84
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	580	256.58	17.53	44.99	288 U/L	0.70	3.74
19	ALP	PNP AMP kinetic	Any Analyser	452	183.43	18.11	33.22	209 U/L	0.77	3.13

20	AMYLASE	CNPG3	(Automation / Semi Automation) Any Analyser (Automation / Semi Automation)	390	73.03	16.72	12.21	46 U/L	-2.21	1.24
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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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*





# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - SEPTEMBER 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	19/09/2021
PT item	Lyophilized Whole blood	Date of Report Published :	05/10/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	SD	Your Value	SDI	U
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	241	6.83	11.97	0.82	6.5 %	-0.40	0.11

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
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Dr. Pamela Christudoss  
CMC EQAS Coordinator  
Christian Medical College, Vellore

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\*\*\*\*\* End of Report \*\*\*\*\*

### EQA CORRECTIVE ACTION FORM

Name of the department : *BIOCHEMISTRY.*  
EQA Programme Name : *CME EQAS Chemistry-I*  
Cycle / Sample No. : *-*  
Month and year : *September-2021*  
Nature of Nonconformance : *Total protein, cholesterol, kt found to be above 301 range.*

Root Cause : *All the three parameters calibration done, due to calibration expiry values above the range in IQC.*

Corrective and Preventive action taken: *Regular calibration schedule prepared and issued to prevent the outliers in IQC and EQAS.*

Done By: *Qusna*

*[Signature]*  
Approved By:

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By:

			(Automation / Semi Automation)							
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	407	125.52	17.70	22.21	102.3 U/L	-1.05	2.20

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 :  
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\*\*\*\*\* End of Report \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - OCTOBER 2021



Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	20/10/2021
PT item	Lyophilized Whole blood	Date of Report Published :	01/11/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	SD	Your Value	SDI	U
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	232	8.74	14.76	1.29	4.32 %	-3.43	0.17

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 :  
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\*\*\*\*\* End of Report \*\*\*\*\*

## EQA CORRECTIVE ACTION FORM

Name of the department : *Biochemistry*  
 EQA Programme Name : *CMC EQAS Chemistry - I*  
 Cycle / Sample No. : *-*  
 Month and year : *October - 2021*  
 Nature of Nonconformance : *kt, HbA1c are found to be SDI out of the range.*

Root Cause : *HbA1c, reported wrong method, kt interned Engineer to visit <sup>site</sup> frequent issues.*

Corrective and Preventive action taken: *HbA1c planned and submitted new HPLC method instrument, kt requested complete service for the instrument, After service IAC found within the normal range.*

Done By:

*David -*

Approved By:

*[Signature]*

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By:



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - NOVEMBER 2021



PC-1024

Lab Name DOCTORS LABORATORY  
Constituent Group Chemistry I  
PT item Lyophilized Serum

Lab No 14250  
Date of Result Entered : 23/11/2021  
Date of Report Published : 03/12/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	682	144.07	8.46	12.19	152.3 mg/dl	0.68	0.93
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	573	168.15	11.78	19.82	149.6 mg/dl	-0.94	1.66
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	481	3.60	10.96	0.40	3.09 mg/dl	-1.29	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	550	3.90	13.65	0.53	4.58 mg/dl	1.28	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	655	4.89	9.91	0.48	5.29 g/dl	0.82	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	672	3.05	9.01	0.28	2.92 g/dl	-0.47	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	495	9.52	8.03	0.76	9.2 mg/dl	-0.42	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	310	8.74	13.58	1.19	9.38 mg/dl	0.54	0.13
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	562	3.88	18.14	0.70	3.05 mg/dl	-1.18	0.06
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	669	99.19	9.95	9.87	117 mg/dl	1.81	0.76
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	641	133.25	11.72	15.61	147 mg/dl	0.88	1.23
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	437	25.13	18.07	4.54	27.7 mg/dl	0.57	0.43
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	620	126.99	3.58	4.55	126.3 mmol/L	-0.15	0.37
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	622	6.05	7.80	0.47	5.58 mmol/L	-1.00	0.04
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	485	93.12	5.76	5.37	96.7 mmol/L	0.67	0.49
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	143	20.86	14.61	3.05	21.05 mmol/L	0.06	0.51
17	AST	UV kinetic with PLP (P-5-P)	Any Analyser (Automation / Semi Automation)	630	60.30	13.29	8.02	62 U/L	0.21	0.64
18	ALT	UV kinetic with PLP (P-5-P)	Any Analyser (Automation / Semi Automation)	573	117.94	16.65	19.63	117 U/L	-0.05	1.64
19	ALP	PNP AMP kinetic	Any Analyser	434	248.16	16.68	41.40	286 U/L	0.91	3.97

			(Automation / Semi Automation )							
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	388	109.97	17.47	19.21	105.8 U/L	-0.22	1.95

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
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TAMILNADU 636701

Coordinator Contact Details:  
Email: [clinq@cmcvellore.ac.in](mailto:clinq@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*Pamela Christudoss*  
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Christian Medical College, Vellore

Homogeneity and Stability of the sample is passed.  
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\*\*\*\*\* End of Report \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - NOVEMBER 2021



PC-1024

Lab Name	DOCTORS LABORATORY	Lab No	14250
Constituent Group	HbA1c	Date of Result Entered :	23/11/2021
PT item	Lyophilized Whole blood	Date of Report Published :	03/12/2021

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	217	7.61	12.37	0.94	6.92 %	-0.73	0.13

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
DHARMAPURI  
TAMILNADU636701

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*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 \*\*\*\*\*





# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2021



PC-1024

Lab Name DOCTORS LABORATORY

Lab No

14250

Constituent Group Chemistry I

Date of Result Entered :

22/12/2021

PT item Lyophilized Serum

Date of Report Published :

03/01/2022

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	721	187.49	8.52	15.98	187 mg/dl	-0.03	1.19
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	605	87.44	9.95	8.70	85.2 mg/dl	-0.26	0.71
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	490	6.67	11.54	0.77	7.7 mg/dl	1.34	0.07
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	591	2.49	17.86	0.44	3.5 mg/dl	2.27	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	685	5.35	8.75	0.47	5.7 g/dl	0.75	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	669	3.29	8.70	0.29	3.7 g/dl	1.43	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	526	10.53	9.05	0.95	11.07 mg/dl	0.57	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	367	4.88	12.76	0.62	5.4 mg/dl	0.83	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	668	8.86	10.65	0.94	9.9 mg/dl	1.10	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	649	109.50	8.03	8.79	216 mg/dl	12.12	0.69
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	601	207.18	9.62	19.93	303 mg/dl	4.81	1.63
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	405	27.01	15.11	4.08	25.2 mg/dl	-0.44	0.41
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	576	141.61	2.90	4.10	138.8 mmol/L	-0.68	0.34
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	579	3.32	5.21	0.17	3.2 mmol/L	-0.69	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	495	107.44	4.39	4.71	111.4 mmol/L	0.84	0.42
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	134	22.91	10.78	2.47	23 mmol/L	0.04	0.43
17	AST	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	629	89.46	12.82	11.47	72 U/L	-1.52	0.91
18	ALT	UV kinetic with PLP ( P-5-P )	Any Analyser (Automation / Semi Automation)	621	54.20	19.44	10.53	59 U/L	0.46	0.85
19	ALP	PNP AMP kinetic	Any Analyser	422	209.27	15.12	31.64	245 U/L	1.13	3.08

			(Automation / Semi Automation )							
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	411	55.93	18.85	10.54	55 U/L	-0.09	1.04

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.

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Contact Number: 0416-2283102

*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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JANUARY 2022



Lab Name DOCTORS LABORATORY Lab No 14250  
Constituent Group HbA1c Date of Result Entered : 20/01/2022  
PT item Lyophilized Whole blood Date of Report Published : 07/02/2022

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	HPLC-Ion Exchange	Tosoh G8 - HPLC / HPLC-723G8)	104	5.50	5.71	0.31	5.1 %	-1.27	0.06

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 :  
DOCTORS LABORATORY  
14-Q2 NETHAJI BY PASS ROAD  
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Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

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

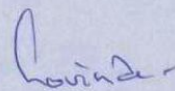
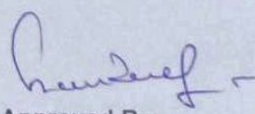
Homogeneity and Stability of the sample is passed.  
Data in CMC EQAS reports is confidential  
CMC EQAS does not sub contract any components  
\*\*\*\*\* End of Report \*\*\*\*\*

### EQA CORRECTIVE ACTION FORM

Name of the department : Biochemistry  
EQA Programme Name : CHEMISTRY  
Cycle / Sample No. : -  
Month and year : December - 2021  
Nature of Nonconformance : cholesterol, triglyceride out of  
SOL

Root Cause : new lot reagent are used  
without calibration.

Corrective and Preventive action taken: Introduced for new kit  
at least must calibration and IQC validation  
before processing samples. Review  
next cycle report for the same.

Done By:  Approved By: 

Review during the next EQAS / Effectiveness of Corrective Action:

Done By: Approved By:



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JANUARY 2022



Lab Name DOCTORS LABORATORY

Lab No 14250

Constituent Group Chemistry I

Date of Result Entered : 20/01/2022

PT item Lyophilized Serum

Date of Report Published : 07/02/2022

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	599	131.85	7.51	9.90	138.7 mg/dl	0.69	0.81
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	514	47.49	9.10	4.32	31.4 mg/dl	-3.72	0.38
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	412	1.72	11.06	0.19	1.46 mg/dl	-1.37	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation)	507	2.39	17.13	0.41	2.83 mg/dl	1.07	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	579	5.05	9.57	0.48	5.7 g/dl	1.35	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	584	3.12	9.63	0.30	3.41 g/dl	0.96	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	475	9.26	7.07	0.65	7.4 mg/dl	-2.84	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	323	5.19	11.60	0.60	5.8 mg/dl	1.01	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	566	7.00	11.12	0.78	5.85 mg/dl	-1.48	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	574	102.81	9.03	9.29	152 mg/dl	5.29	0.78
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	532	131.26	10.16	13.33	131 mg/dl	-0.02	1.16
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	371	25.39	13.29	3.37	24.6 mg/dl	-0.23	0.35
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	730	135.21	3.10	4.19	132.1 mmol/L	-0.74	0.31
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	700	3.64	5.24	0.19	4.69 mmol/L	5.53	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	548	105.25	3.95	4.15	105.5 mmol/L	0.06	0.35
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation)	157	21.96	13.99	3.07	22.1 mmol/L	0.05	0.49
17	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	340	69.37	14.95	10.37	80 U/L	1.03	1.12
18	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	376	41.12	19.54	8.03	41.8 U/L	0.08	0.83

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.

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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 \*\*\*\*\*

**VIEW LAB MONTHLY SUMMARY**

<b>Lab Name</b>	<b>DOCTORS LABORATORY</b>	<b>Details About Robust Analysis</b>
<b>Lab No</b>	<b>14250</b>	<b>Detail About Monthly Summary</b>
<b>Month</b>	<b>December</b>	<b>Detail about SDI</b>
<b>Year</b>	<b>2021</b>	
<b>Constituent Group</b>	<b>HbA1c</b>	

Click on the analyte to view Graphical Data

Date of Result Entered : 22/12/2021

Date of Report Published : 03/01/2022

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	230	6.44	12.97	0.84	5.5 %	-1.13	0.11

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.

**Links**

<a href="#">Modify Address</a>	<a href="#">Modify Methods</a>	<a href="#">Submit Lab Results</a>	<a href="#">View Lab Monthly Summary</a>
<a href="#">Yearly Summary</a>	<a href="#">Change Password</a>	<a href="#">Home</a>	<a href="#">Sign-out</a>

## EQA CORRECTIVE ACTION FORM

Name of the department : Biochemistry,  
 EQA Programme Name : choc EQAS chemistry-7  
 Cycle / Sample No. : -  
 Month and year : January, 2022  
 Nature of Nonconformance : cholesterol, conc. not found to be  
 out of SDI.

Root Cause : Biochemistry instrument having the  
 issued with photometric system.

Corrective and Preventive action taken: now instrument changed due to  
 repaired ~~issue~~ with previous one.  
 Review next sample for the lens.

Done By: *Rowind*

*Handelf*  
 Approved By:

Review during the next EQAS / Effectiveness of Corrective Action:

Done By:

Approved By: