



CHRISTIAN MEDICAL COLLEGE

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



14836

Lab Name Biochemistry Diagnostic Laboratory,
GMC Srinagar and Associated SMHS
Hospital

Lab No

16/08/2022

Constituent Group Chemistry I

Date of Result Entered :

05/09/2022

PT item Lyophilized Serum

Date of Report Published :

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	SD	Your Value	SDI	U
1	GLUCOSE	Hexokinase	Any Analyser (Automation / Semi Automation)	158	188.44	6.12	11.52	178 mg/dL	-0.91	1.83
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	641	61.56	9.11	5.61	60 mg/dL	-0.28	0.44
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	539	2.54	10.03	0.26	2.76 mg/dL	0.86	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	660	3.72	14.76	0.55	4.1 mg/dL	0.69	0.04
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	786	6.00	9.91	0.59	5.8 g/dL	-0.34	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	751	3.53	8.21	0.29	3.4 g/dL	-0.45	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	606	11.08	9.39	1.04	11.7 mg/dL	0.60	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	360	5.09	12.15	0.62	4.5 mg/dL	-0.95	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	708	5.29	17.90	0.95	4.78 mg/dL	-0.54	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	744	120.77	8.20	9.90	121 mg/dL	0.02	0.73
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	489	28.38	14.99	4.25	33 mg/dL	1.09	0.38
12	SODIUM	ISE - Indirect	Any Analyser	589	139.61	2.97	4.14	146 mmol/L	1.54	0.34
13	POTASSIUM	ISE - Indirect	Any Analyser	599	4.57	5.66	0.26	4.9 mmol/L	1.27	0.02
14	CHLORIDE	ISE - Indirect	Any Analyser	453	102.85	4.17	4.29	101 mmol/L	-0.43	0.40
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	603	64.03	12.31	7.88	62 U/L	-0.26	0.64
16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	619	47.23	17.37	8.20	52 U/L	0.58	0.66
17	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	254	139.29	17.40	24.23	89 U/L	-2.08	3.04
18	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	448	46.28	17.91	8.29	52 U/L	0.69	0.78
19	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	115	96.22	11.80	11.35	96 ug/dL	-0.02	2.12

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External Quality Assurance Scheme - Print Monthly Summary

MAGNESIUM	Others (Any other principles / Methods)	Any Analyser (Automation / Semi Automation)	149	2.65	16.46	0.44	2.81 mg/dL	0.37	0.07
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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 :

Chemistry Diagnostic Laboratory, GMC Srinagar and Associated SMHS Hospital
 3rd Floor , F-Block, SMHS Hospital , KARAN NAGAR,
 SRINAGAR
 JAMMU & KASHMIR 190010

Coordinator Contact Details:
 Email: 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 - AUGUST 2022



Biochemistry Diagnostic Laboratory, GMC Srinagar and Associated SMHS Hospital

Lab No 14836

HbA1c

Date of Result Entered : 16/08/2022

Lyophilized Whole blood

Date of Report Published : 05/09/2022

Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
					CV	SD			
HbA1c	Enzymatic	Abbott	18	4.29	7.24	0.31	4.3 %	0.03	0.15

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

ADDRESS :

Biochemistry Diagnostic Laboratory, GMC Srinagar and Associated SMHS Hospital
 Floor , F-Block, SMHS Hospital , KARAN NAGAR,
 NAGAR
 MMU & KASHMIR190010

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VIEW LAB YEARLY SUMMARY

CHRISTIAN MEDICAL COLLEGE

CMC EXTERNAL QUALITY ASSURANCE SCHEME

2021 EQAS YEARLY SUMMARY

The yearly summary is based on the overall mean SDI of every analyte. The groups are made depending upon the number of results received for every individual analyte. The rank is mentioned for every analyte with in the group. Any modification in the yearly summary is done with the guidelines provided by NABL during the assessment for accreditation.

- Group I : Laboratories who reported 10 to 12 months during 2021
- Group II : Laboratories who reported 6 to 9 months during 2021
- Group III : Laboratories who reported less than 6 months during 2021

Sl. No.	Analyte	Group	Count	Mean SDI	Grade
1	TOTAL THYROXIN	Group II	151	0.51	A
2	FREE THYROXIN	Group II	121	0.53	A
3	TSH	Group II	100	0.82	A
4	TOTAL T3	Group II	157	0.80	A
5	CORTISOL	Group II	35	0.88	A

Only first 2 Groups are Graded

OMSDI Range	Grade	Remarks
0.00 to 1.00	A	Excellent
1.01 to 2.00	B	Good
2.01 to 2.99	C	Satisfactory
Beyond 3.00	D	Unacceptable

Your Lab No 14936

Constituent Group Thyroid Hormones & Cortisol

Address

Biochemistry Diagnostic Laboratory, GMC Srinagar and Associated SMHS Hospital ,
3rd Floor , F-Block, SMHS Hospital , KARAN NAGAR,
SRINAGAR ,
JAMMU & KASHMIR ,190010 .

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CHRISTIAN MEDICAL COLLEGE

CMC EXTERNAL QUALITY ASSURANCE SCHEME

2021 EQAS YEARLY SUMMARY

Yearly

Links

The yearly summary is based on the overall mean SDI of every analyte. The groups are made depending upon the number of results received for every individual analyte. The rank is mentioned for every analyte with in the group. This modification in the yearly summary is done with the guidelines provided by NABL during the assessment for accreditation.

Group I : Laboratories who reported 10 to 12 months during 2021

Group II : Laboratories who reported 6 to 9 months during 2021

Group III : Laboratories who reported less than 6 months during 2021

Sl. No.	Analyte	Group	Count	SDI	Grade
1	GLUCOSE II	Group II	566	0.44	A
2	UREA II	Group II	542	0.38	A
3	CREATININE II	Group II	556	0.91	A
4	T.BILIRUBIN II	Group II	491	0.64	A
5	T-PROTEIN II	Group II	390	0.88	A
6	ALBUMIN II	Group II	375	0.90	A
7	URIC ACID II	Group II	441	0.74	A
8	CHOLESTROL II	Group II	550	0.52	A
9	TRIGLYCERIDE II	Group II	457	0.72	A

Only first 2 Groups are Graded

OMSDI Range	Grade	Remarks
0.00 to 1.00	A	Excellent
1.01 to 2.00	B	Good
2.01 to 2.99	C	Satisfactory
Beyond ± 3.00	D	Unacceptable

Your Lab No 14836

Constituent Group Chemistry II

Address


Biochemistry Diagnostic Laboratory, GMC Srinagar
and Associated SMHS Hospital ,
3rd Floor , F-Block, SMHS Hospital , KARAN NAGAR ,

SRINAGAR ,

JAMMU & KASHMIR , 190010 .

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2022



PG-1024

Lab Name Biochemistry Diagnostic Laboratory,
GMC Srinagar and Associated SMHS
Hospital

Lab No 14836

Constituent
Group Chemistry I

Date of Result Entered : 14/07/2022

PT item Lyophilized Serum

Date of Report Published : 05/08/2022

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Hexokinase	Any Analyser (Automation / Semi Automation)	159	310.23	5.75	17.84	308 mg/dL	-0.12	2.83
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	660	127.13	10.44	13.28	128 mg/dL	0.07	1.03
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	536	4.30	10.61	0.46	4.98 mg/dL	1.49	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	593	1.13	23.80	0.27	1.3 mg/dL	0.63	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	768	5.80	9.22	0.54	5.7 g/dL	-0.19	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	744	3.50	8.24	0.29	3.3 g/dL	-0.69	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	613	9.91	7.96	0.79	10.3 mg/dL	0.49	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	409	6.65	13.00	0.86	6.8 mg/dL	0.17	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	587	3.67	20.84	0.76	3 mg/dL	-0.88	0.06
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	739	119.24	8.54	10.18	124 mg/dL	0.47	0.75
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	487	28.03	15.16	4.25	30 mg/dL	0.46	0.39
12	SODIUM	ISE - Indirect	Any Analyser	588	139.38	3.25	4.53	149 mmol/L	2.12	0.37
13	POTASSIUM	ISE - Indirect	Any Analyser	615	5.03	6.82	0.34	5.6 mmol/L	1.66	0.03
14	CHLORIDE	ISE - Indirect	Any Analyser	445	100.03	4.49	4.49	98 mmol/L	-0.45	0.43
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	642	123.93	12.16	15.06	126 U/L	0.14	1.19
16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	629	57.09	15.22	8.69	62 U/L	0.57	0.69
17	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	287	267.17	16.05	42.87	222 U/L	-1.05	5.06
18	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	392	293.40	16.25	47.68	363 U/L	1.46	4.82
19	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	110	119.94	11.24	13.48	127 ug/dL	0.52	2.57

SDI Range	External Quality Assurance Scheme - Print Monthly Summary	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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DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2022



Name	Biochemistry Diagnostic Laboratory, GMC Srinagar and Associated SMHS Hospital	Lab No	14836
Constituent	HbA1c	Date of Result Entered :	15/07/2022
Specimen	Lyophilized Whole blood	Date of Report Published :	05/08/2022

No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
	HbA1c	Enzymatic	Abbott	18	4.09	6.75	0.28	3.7 %	-1.41	0.13
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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COSE II	HEXOKINASE II	Any Analyser (Automation / Semi Automation)	50	143.50	7.53	10.80	138 mg/dl	-0.51	3.06
II	Urease UV / GLDH II	Any Analyser (Automation / Semi Automation)	577	42.79	12.32	5.27	39 mg/dl	-0.72	0.44
NINE II	Jaffes Kinetic- Alkaline Picrate II	Any Analyser (Automation / Semi Automation)	709	9.02	12.78	1.15	10.62 mg/dl	1.39	0.09
BIN II	Diazonium Salt (Colorimetric) / Jendrassik II	Any Analyser (Automation / Semi Automation)	940	2.43	23.94	0.58	2.4 mg/dl	-0.05	0.04
N II	Biuret - Colorimetric II	Any Analyser (Automation / Semi Automation)	768	5.44	10.95	0.60	4.8 g/dl	-1.08	0.04
I	BCG - Colorimetric II	Any Analyser (Automation / Semi Automation)	760	3.22	9.92	0.32	2.9 g/dl	-1.00	0.02
I	Enzymatic / Uricase Colorimetric II	Any Analyser (Automation / Semi Automation)	801	8.10	14.01	1.14	7.8 mg/dl	-0.26	0.08
L II	CHOD-PAP II	Any Analyser (Automation / Semi Automation)	993	112.61	12.13	13.66	103 mg/dl	-0.70	0.87
E II	Glycerol Blanked II	Roche C111, C311, Integra 400 plus, C501, C502, C702	52	150.22	14.41	21.65	159 mg/dl	0.41	6.01

Range	Interpretation
00	Excellent.
00	Good.
99	Accept with caution. Warning Signal.
	Unacceptable performance. Action Signal.

Homogeneity and Stability of the sample is passed.

is confidential

in
02

Parvula Christudoss