



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004, INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

## MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 14612

LAB NAME: NIDAN PATHOLOGY

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 10/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1312	172.26	6.18	10.64	183.5 mg/dL	1.06	0.59
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1176	94.01	7.55	7.1	91.21 mg/dL	-0.39	0.41
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	970	3.77	9.84	0.37	3.72 mg/dL	-0.14	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1170	3.92	12.66	0.5	4.11 mg/dL	0.38	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1277	5.2	7.8	0.41	5.05 g/dL	-0.37	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1248	3.18	7.77	0.25	3.33 g/dL	0.6	0.01
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1041	9.27	5.45	0.51	10.1 mg/dL	1.63	0.03
8	PHOSPHORUS	Dry Chemistry	Fuji Dry Chemistry series	67	4.47	4.83	0.22	4.4 mg/dL	-0.32	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1270	5.96	11.88	0.71	6.32 mg/dL	0.51	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1276	103.57	7.7	7.97	104.84 mg/dL	0.16	0.45
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1251	171.05	7.52	12.86	164.4 mg/dL	-0.52	0.73
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1021	25.02	12.74	3.19	26.15 mg/dL	0.35	0.2
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	134.52	3.11	4.18	138 mmol/L	0.83	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	4.73	5.63	0.27	5 mmol/L	1	0.01



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004, INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

## MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 14612

LAB NAME **NIDAN PATHOLOGY**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 10/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1210	100.09	4.17	4.17	98 mmol/L	-0.5	0.24
16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1225	57.63	17.05	9.82	56.4 U/L	-0.13	0.56
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1229	100.12	20.54	20.56	100.8 U/L	0.03	1.17
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	1028	109.51	17.59	19.27	94 U/L	-0.8	1.2
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	600	77.82	20.91	16.27	86 U/L	0.5	1.33

u\* - method of uncertainty

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

### LAB ADDRESS

NIDAN PATHOLOGY,  
NEAR ANTA CHAURAHA,  
Shahjahanpur,  
Uttar Pradesh

### Coordinator Contact Details:

E-Mail: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact No.: 0416-2283102

Homogeneity and Stability of the sample is passed.

Data in CMC EQAS reports is confidential.

CMC EQAS does not sub contract any components.

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

*Pamela Christudoss*

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



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004, INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME



PG-1024

## MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 14612

LAB NAME NIDAN PATHOLOGY

CONSTITUENT GROUP

**Thyroid Hormones & Cortisol**

Date of Result Entered: 10/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	TOTAL THYROXINE	ECLIA-Electrochemiluminescence immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	312	4.46	8.96	0.4	4.51 ug/dL	0.12	0.05
2	TSH	ECLIA-Electrochemiluminescence immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	361	1.43	7.22	0.1	1.54 ulU/mL	1.1	0.01
3	TOTAL T3	ECLIA-Electrochemiluminescence immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	311	104.81	9.18	9.62	97.88 ng/dL	-0.72	1.09

u\* - method of uncertainty

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

### LAB ADDRESS

NIDAN PATHOLOGY,  
NEAR ANTA CHAURAHA,  
Shahjahanpur,  
Uttar Pradesh

### Coordinator Contact Details:

E-Mail: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact No.: 0416-2283102

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

*Pamela Christudoss*

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



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004, INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

## MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 14612

LAB NAME **NIDAN PATHOLOGY**

CONSTITUENT GROUP

**Reproductive Hormones**

Date of Result Entered: 10/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	LH	ECLIA-Electrochemiluminescence immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	162	6.54	9.17	0.6	5.48 mIU/mL	-1.77	0.09
2	FSH	ECLIA-Electrochemiluminescence immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	162	6.41	7.78	0.5	6.61 mIU/mL	0.4	0.08
3	PROLACTIN	ECLIA-Electrochemiluminescence immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	170	14.82	7.19	1.07	14.9 ng/mL	0.07	0.16
4	TESTOSTERON E	ECLIA-Electrochemiluminescence Immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	99	348.5	8.69	30.29	332.4 ng/dL	-0.53	6.09
5	TOTAL BETA HCG	ECLIA-Electrochemiluminescence Immunoassay	Roche Elecsys e402 / e411 / e601 / e602 / e801	152	55.2	9.36	5.16	60.96 mIU/mL	1.12	0.84

u\* - method of uncertainty

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

### LAB ADDRESS

NIDAN PATHOLOGY,  
NEAR ANTA CHAURAHA,  
Shahjahanpur,  
Uttar Pradesh

### Coordinator Contact Details:

E-Mail: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact No.: 0416-2283102

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

*Pamela Christudoss*

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