



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **CENTRAL AYURVEDA RESEARCH INSTITUTE**

Lab No **16411**

Constituent Group **Chemistry I**

Date of Result Entered : **08/08/2022**

PT item **Lyophilized Serum**

Date of Report Published : **05/09/2022**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Transasia / Erba	949	193.37	6.69	12.93	204.9 mg/dL	0.89	0.84
2	UREA	Urease UV / GLDH	Transasia / Erba	888	62.12	7.66	4.76	62.8 mg/dL	0.14	0.32
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Transasia / Erba	459	2.52	9.25	0.23	2.59 mg/dL	0.30	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	942	3.62	10.23	0.37	3.86 mg/dL	0.65	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	961	6.28	7.74	0.49	6.46 g/dL	0.37	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	967	3.50	5.54	0.19	3.42 g/dL	-0.41	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	666	11.46	9.46	1.08	12.7 mg/dL	1.14	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	438	5.49	8.84	0.48	5.83 mg/dL	0.70	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	923	5.29	9.19	0.49	5.6 mg/dL	0.64	0.03
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	929	114.16	8.16	9.32	109 mg/dL	-0.55	0.61
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	886	82.80	13.18	10.92	74.2 mg/dL	-0.79	0.73
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	713	28.02	10.91	3.06	29.4 mg/dL	0.45	0.23
13	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	843	64.99	11.93	7.75	61.9 U/L	-0.40	0.53
14	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	817	47.89	15.74	7.54	49 U/L	0.15	0.53
15	ALP	PNP AMP kinetic	Transasia / Erba	861	100.55	15.05	15.13	100 U/L	-0.04	1.03

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 :**

CENTRAL AYURVEDA RESEARCH INSTITUTE  
CLINICAL LABORATORY, #12, UTTARAHALLI, MANAVARTHE KAVAL  
BENGALURU  
KARNATAKA560109

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

## Result Reprint

Report Type :Patients

02-Aug-2022

Sr #	Sample ID	Test	Result	Unit	Flag	Curve #	Result Date
1	EQAS CMC VELLOR	GPTHL	49.0	U/L	H	11844	02-Aug-2022 12:00:41
2	EQAS CMC VELLOR	GOTHL	61.9	U/L	H	11845	02-Aug-2022 12:00:59
3	EQAS CMC VELLOR	ALPU	100	U/L		11846	02-Aug-2022 12:01:17
4	EQAS CMC VELLOR	PHOS	5.83	mg/dl	H	11847	02-Aug-2022 12:01:35
5	EQAS CMC VELLOR	BIDD	0.36	mg/dl		11848	02-Aug-2022 12:01:53
6	EQAS CMC VELLOR	BIT	3.86	mg/dl	H	11849	02-Aug-2022 12:02:11
7	EQAS CMC VELLOR	UREA	62.8	mg/dl	H	11850	02-Aug-2022 12:02:29
8	EQAS CMC VELLOR	CRE	2.59	mg/dl	H	11851	02-Aug-2022 12:02:47
9	EQAS CMC VELLOR	GLU	204.9	mg/dl	H	11852	02-Aug-2022 12:03:05
10	EQAS CMC VELLOR	TRIG	74.2	mg/dl		11853	02-Aug-2022 12:03:23
11	EQAS CMC VELLOR	CHOL	109	mg/dl		11854	02-Aug-2022 12:03:41
12	EQAS CMC VELLOR	HDLC	29.4	mg/dl	L	11855	02-Aug-2022 12:03:59
13	EQAS CMC VELLOR	LDL	68.3	mg/dl		11856	02-Aug-2022 12:04:18
14	EQAS CMC VELLOR	CA	12.7	mg/dl	H	11857	02-Aug-2022 12:04:36
15	EQAS CMC VELLOR	ALBD	3.42	g/dl	L	11858	02-Aug-2022 12:04:54
16	EQAS CMC VELLOR	PRO	6.46	g/dl		11859	02-Aug-2022 12:05:12

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CHRISTIAN MEDICAL COLLEGE, VELLORE – 4  
CMC EXTERNAL QUALITY ASSESSMENT SCHEME (EQAS) – 2022

Dear Participant,

We are sending Four **Lyophilized samples** for the months of September, October, November & December 2022.

As soon as you receive the samples pack, please check the vials for any breakage or duplication. If so inform us immediately. All requests for such complaints should be made within 10 days from the date of dispatch, for any replacements. Replacement will not be made towards the last date of entry of result.

Store them in the refrigerator (2 – 8°C) until analysis. **Do not freeze.**

**Kindly follow the following steps for Reconstitution.**

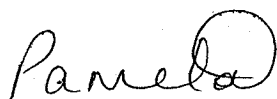
- 1) Please check the label for the correct month before reconstitution
- 2) Please mention the date of reconstitution on the bottle for the particular month
- 3) Do not reconstitute all the bottles at a time.
- 4) It is advisable to reconstitute the sample of the particular month before the 10<sup>th</sup> of that month. The reconstituted sample should be analyzed on the same day within 4 hours. This is to prevent delay in testing and uploading of results.
- 5) After reconstitution leave the samples for 30 minutes, with gentle mixing or invert the bottle few times in between
- 6) **Please upload the results into the website before the 20th of that month.**

Program	Reconstitution volume
Chemistry I	2 mL
Chemistry II	2 mL
Reproductive hormones	2 mL
Thyroid Hormones and Cortisol	2 mL
HbA1c	0.5 mL
Downs screening markers	0.5 mL

The monthly report will be updated into the website on the First Week of the following month.

Looking forward to your valuable cooperation and continued support for the smooth running of this EQAS program.

Thanking you,  
Sincerely,



**Dr. Pamela Christudoss,**  
EQAS Coordinator,  
Dept. of Clinical Biochemistry,  
Christian Medical College,  
Vellore-632004  
EMAIL ID : [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)



CHRISTIAN MEDICAL COLLEGE, VELLORE.  
DEPARTMENT OF CLINICAL BIOCHEMISTRY  
IDA SCUDDER ROAD, VELLORE - 632 004. TAMIL NADU

CMC GSTNUMBER : 33AAATC1278NIZN

Receipt No. EQAS9325/22

Date 25/07/2022

RECEIVED with thanks from CENTRAL AYURVEDA RESEARCH INSTITUTE

CLINICAL LABORATORY, #12, UTTARAHALLI, MANAVARTHE KAVAL, BENGALURU - 560109

Rs. 6,700.00 (Rupees) six thousand seven hundred Only

towards EQAS JAN - DEC 2022

by Demand Draft No. 139958 dated 21/07/2022

Participant GSTN :

To, 16411  
CENTRAL AYURVEDA RESEARCH INSTITUTE  
CLINICAL LABORATORY, #12, UTTARAHALLI  
MANAVARTHE KAVAL, BENGALURU - 560109

*CS*  
Dr. PAMELA CHRISTUDOSS  
Co-ordinator - CMC EQAS  
DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CHRISTIAN MEDICAL COLLEGE,  
VELLORE - 632 004, SOUTH INDIA.

(Cheques and DDS subject to realisation)

*Dr. Pamela Christudoss*  
*25/07/2022*

## IMPORTANT INFORMATION

**\* The last date (due date) for submitting the results for the 2022 cycle is 20<sup>th</sup> of every month.**

\* The samples will reach you well in advance. Start analyzing the samples anytime between the 1<sup>st</sup> and 19<sup>th</sup> of that month. Enter the results on the web site before 20<sup>th</sup> of every month. The result submitting option will be automatically closed by 20<sup>th</sup> mid night.

\* Please change the pass word and keep it secure.

\* Do not share or discuss the results with other participants to prevent collusion of results.

\* As soon as you receive the sample pack, check for breakage. **If any sample is broken, intimate to us within 5 days. Replacement of sample will not be done after that.**

\* Store them in the refrigerator (2 – 8<sup>o</sup>C) until analysis. Do not freeze

### PROCEDURE TO USE THE EQAS WEBSITE

Welcome to the new software. It can be accessed & used as follows.

The web ID is <http://home.cmcvellore.ac.in/clinqc/>

Type the web ID in the internet page and click 'Go'

The main QC page appears with an option for the participants to log in.

Enter your lab number in 5 digits in the space provided for the user name. Enter your password in the space provided.

Then click 'Login'

This will open into a page with many options.

Choose the options

#### **\* Enter/Modify address**

Here you will find the lab name, address, etc., Try to fill in all the columns. It is mandatory to fill in the postal pin code, Mobile number and the e mail ID. If your lab has no e mail ID, give the name of one contact person from the laboratory and their e mail ID for us to contact. **Remember to click the submit.**

Check the demographics if any corrections are to be made, go back to the 'Enter/Modify address' displayed at the side link.

Click 'Home' to change options.

On the home page the next option is

#### **\* Enter/Modify methods**

This page will give a lists all the active schemes parameters with various methods. Take the cursor to the circle against the right method and click submit. It is mandatory to choose for all the parameters. If your lab is not performing a particular parameter, then click 'not done' option. Or if your lab is performing a test by a method which is not listed, then click 'Any other methods' Click NEXT when method for all parameters are chosen.

This page will give lists all the active methods with various instruments. Take the cursor to the circle against the right instrument and click submit. It is mandatory to choose for all the parameters. If your lab is performing a test by a Instrument which is not listed, then click 'Any other Analyzer' Click SUBMIT when instrument for all parameters are chosen

**Please note that those methods not used by a minimum of 50 participants will be deleted from the list at the end of the cycle. Those methods will be merged with the option 'Other methods'.**

**\* Submit results**

When you click this active program will be displayed. Choose the program, this will open into another page where you can enter current month results.

Those who have registered for more than one program, enter the results for one program at a time. For e.g. first if you enter chemistry parameters, after entering the results click the submit option at the bottom. Please wait till you get the confirmation message 'results successfully updated'. Take a printout. Again choose 'submit result' option to enter the other participating program results.

Enter the results against each analyte. Please remember to enter only the numbers. Do not attempt to enter the units into the space provided for the results. The units will be displayed next to the result space itself. Also do not enter more than one decimal point.

Ensure that the results are correct before clicking the 'submit results' option, given at the bottom of the result page. Please wait for few seconds and you will get a message 'Results successfully added'. Print out of that result page and file. You may need this in case of some problem with the updating.

If you made a wrong entry there is a provision to edit the results which will be active only till the due date. At the end of the result page there is edit option. Click to enter results and submit again. If you are not able to do that please send an e mail asking for the correction.

**No amendment will be made after the specified due date.**

At the first week of every month the evaluated monthly summary will be uploaded into the web site. You can view the report by clicking

**\* View monthly summary**

Select the correct month and year. Then choose the program.

The evaluated results of your lab will be displayed. In this page you will see only those methods by which your lab performing. On the right hand side, above the tabular column, there are side links to view details about Robust Analysis, Monthly summary and SDI. If you take the cursor on to the analyte and click it will open into a page where you can see the graphical monthly data.

If you want to view the reports of other methods then click 'All method results' at the top of the table. This will open into a page where you will find the results of all the methods and your lab results being high lighted in green colour. We request the participants to take a print out of your lab results for filing.

**\* Yearly summary**

CMC EQAS will henceforth not provide the OMVIS and rank in the yearly summary report page for the year 2019. Instead MSDI (Mean SDI) for that particular analyte for the current year will be calculated. The performance of participants will be grouped based on MSDI.

### Change password

Those labs that are using the web facility with the new password should **change** their passwords using this option. Make sure the new password you are entering has only 8 characters. If your password is longer than this, enter only the first 8 characters. (Those laboratories who have forgotten their old password can contact us. We will reset the password for you.)

### \*Accounts details

Send the DD with the renewal form to us and when accepted a receipt will be generated for your lab which can be printed at your side. Mean while the DD will be sent to CMC Accounts department for processing and the original receipt will be sent to you along with the next set of samples.

Online Gateway mode is available in the website for the bank transfer. **Note: Other then gateway mode no other online payment (NEFT/RTGS or Bank deposit) will not be accepted.**

### \* Certificate details

Provide the name and place of your laboratory in the option. If you do not update this detail, the certificate will be printed as per the old details provided to us. **Note that the certificate will be issued only at the end of the cycle only for the eligible participant. Certificate will not be issued on any individual's name.**

### \* Sample dispatch details

Both courier and speed post tracking facilities for participants are available through this link.

Request all the participants to use the web site for entering the results and viewing the reports. Results sent as attachments through e mails or telephone will not be accepted. Please cooperate with us and if you have any problem with the usage of the web site do not hesitate to call us at **0416-2283102** or e mail us [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)

### Reconstitution procedure

**Please follow the procedure for reconstitution carefully.**

<b>Program</b>	<b>Reconstitution volume</b>
<b>Urine Chemistry &amp; Urine (Microalbumin &amp; Protein)</b>	<b>2 mL</b>
<b>Chemistry I &amp; Chemistry II</b>	<b>2 mL</b>
<b>Immunoassay &amp; special hormones</b>	<b>2 mL</b>
<b>HbA1c &amp; Downs screening markers</b>	<b>0.5 mL</b>
<b>Tumor Marker</b>	<b>0.5 mL</b>
<b>Cardiac Marker &amp; Trace Metals</b>	<b>1 mL</b>

### Check the labels before reconstitution

To reconstitute, remove the aluminum sealing and the rubber stopper slowly with care (Since there is vacuum inside the bottle, the lyophilized powder material may pop up).

Keep the rubber stopper, upside down on the table.

- Use a volumetric glass pipette for reconstituting. If you do not have volumetric pipette use an automatic pipette or an appropriate graduated pipette to deliver the correct volume distilled water into the vial.
- Close the vial with the rubber stopper.
- Do not shake the vial.
- Leave it aside for 15 minutes.
- After 15 minutes take the vial in hand and slowly rotate, initially sideways & then upside down carefully.
- At any point do not shake the vial vigorously.
- Leave it again for 10 minutes and tilt the vial carefully upside down for another 10 times.
- The reconstituted sample should be analyzed on the same day
- Please update the results into the website before the 20th of that month

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC, VELLORE.

Dear participant,

Our website ID is <http://home.cmcvellore.ac.in/clinqc/>

Your User name is

Website ID : <http://home.cmcvellore.ac.in/clinqc/>

User Id : 16411

Password : CENTRAL

Your password is .....

Use this password to open 'members sign up' page and **change the password immediately**. This facility is available in that page itself. Failing this, you may have problems with your result entry and report review. Please keep your password confidential.

With best wishes.

**Dr. Pamela Christudoss**  
Professor and Head (Ag),  
EQAS Coordinator



DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CHRISTIAN MEDICAL COLLEGE, VELLORE – 4  
CMC EXTERNAL QUALITY ASSESSMENT SCHEME (EQAS) – 2022

Dear Participant,

We are sending a lyophilized sample for the months of August 2022.

As soon as you receive the samples pack, please check the vials for any breakage or duplication. If so inform us immediately. All requests for such complaints should be made within 10 days from the date of dispatch, for any replacements. Replacement will not be made towards the last date of entry of result.

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Looking forward to your valuable cooperation and continued support for the smooth running of this EQAS program.

Thanking you,  
Sincerely,



**Dr. Pamela Christudoss,**  
EQAS Coordinator,  
Dept. of Clinical Biochemistry,  
Christian Medical College,  
Vellore-632004  
EMAIL ID : [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)

F No 1/2022/CARI-B/LAB/06

20/07/2022  
Bengaluru

To,  
Assistant Director Incharge,  
Central Ayurveda Research Institute  
Bengaluru

Respected Madam,

Subject: Request for permission to make DD for External Quality Assurance Programme from CMC Vellore.

I would like to bring to your notice that the clinical laboratory wants to participate in External Quality Assurance Programme (EQAS) from CMC Vellore for clinical Biochemistry. This is one of the mandate for NABL Entry level participation. The amount for Demand Draft is 6700/- for government hospital. This has to be made in favor of "CMC VELLORE ASSOCIATION". Kindly approve and oblige.  
Thank you

From,



Dr Vidyashree Anchan  
RO (Pathology) & Lab Incharge  
CARI, Bengaluru

**DEPARTMENT OF CLINICAL BIOCHEMISTRY, CMC VELLORE**  
**CMC EQAS - JANUARY - DECEMBER 2022**  
**REGISTRATION / RENEWAL FORM**  
**(ONLY FOR LABS WHICH DO NOT HAVE THE FACILITY FOR ONLINE MONEY TRANSFER**  
**THROUGH OUR EQAS WEBSITE)**

Lab number for renewal if participated in 2021 cycle

Never participated but wants to join (New Registration please v)

If participated earlier, discontinued and wants to rejoin mention the old lab number      
 Please tick v the schemes you wish to participate

Programme	Govt. labs/hospitals without GST	Private labs/hospitals Include 18 % GST
Chemistry I	<input checked="" type="checkbox"/> 6700	<input type="checkbox"/> 8000
[OR]		
Chemistry II	<input type="checkbox"/> 2500	<input type="checkbox"/> 3000
Thyroid Hormones & Cortisol	<input type="checkbox"/> 3800	<input type="checkbox"/> 4500
Reproductive Hormones	<input type="checkbox"/> 3800	<input type="checkbox"/> 4500
HbA1c	<input type="checkbox"/> 2900	<input type="checkbox"/> 3500
Markers for Down's screening	<input type="checkbox"/> 4600	<input type="checkbox"/> 5500
Urine Chemistry	<input type="checkbox"/> 2500	<input type="checkbox"/> 3000
Tumor Markers	<input type="checkbox"/> 2100	<input type="checkbox"/> 2500
Trace Metals	<input type="checkbox"/> 250	<input type="checkbox"/> 300
Urine (Micro Albumin & Protein)	<input type="checkbox"/> 200	<input type="checkbox"/> 250
Cardiac Markers	<input type="checkbox"/> 400	<input type="checkbox"/> 500

Herewith enclosing a demand draft bearing No. 139958 dt. 21/7/22 for Rs. 6700/-

(Demand Draft to be made in favor of "CMC VELLORE ASSOCIATION")

PLEASE TYPE OR WRITE CLEARLY

\* Name and address: CENTRAL AYURVEDA RESEARCH INSTITUTE  
CLINICAL LABORATORY

# 12, UTTARAHALLI, MANAVARTHE KAVAL,  
BENGALURU

\* Pin Code:

\* E-Mail ID:

Mobile number:

Sign: ~~Kicha~~ Dr. Vidyashree Anchan.

GST NO:

Lab Type: Govt. Lab  (or) private Lab

(PLEASE DO NOT DEPOSIT THE MONEY/CHEQUE IN OUR ACCOUNT DIRECTLY THROUGH BANK)

Kindly fill the registration/ renewal form and send it along with demand draft to, The Coordinator, CMC EQAS, Department of Clinical Biochemistry, Christian Medical College, Vellore - 632004.

ISSUING BRANCH  
कोड / CODE No: 40653  
Tel No. 080-28425292

DEMAND DRAFT

Sr No: 169368  
D D M M Y Y Y

मांगे जानेपर CMC VELLORE ASSOCIATION

ON DEMAND PAY

Six thousand seven Hundred Only

रुपये RUPEES

या उन्के आदेश पर  
OR ORDER

101 000538139958

Name of Applicant

Key: QOKKEZ Sr. No: 169368

CENTRAL AYURVEDA RESEARCH INS

अवकाश करे

₹ 6700.00

₹ 6700.00

₹ 6700.00

₹ 6700.00

₹ 6700.00

₹ 6700.00

भारतीय स्टेट बैंक  
STATE BANK OF INDIA  
अवकाश करे / DRAWEE BRANCH: VELLORE TOWN  
कोड / CODE NO. 01076

प्रमाणित हस्ताक्षर  
AUTHORISED SIGNATORY

शाखा प्रबंधक  
BRANCH MANAGER

₹ 1,50,000/- एवं अधिक के लिए दो अधिकारी द्वारा हस्ताक्षर करने की आवश्यकता है।  
INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

केवल 3 महीने के लिए वैध  
VALID FOR 3 MONTHS ONLY

कंप्यूटर द्वारा मुद्रित होने पर ही वैध  
VALID ONLY IF COMPUTER PRINTED

क्रमांक / MICR NO. 0000020001

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**ABOUT EQAS****ABOUT CMC-EQAS :**

The attainment of quality service in a laboratory requires a comprehensive Quality Assurance Program which includes both Internal and External quality control material.

The Department of Clinical Biochemistry, Christian Medical College, Vellore under the banner of The Association of Clinical Biochemists of India (ACBI) is conducting an External Quality Assessment Scheme (EQAS) since 1978. The Participants represents all the states of India and also Andaman and Nepal. The participating laboratories include teaching and non-teaching hospital laboratories, government as well as private, small hospitals, private clinics and diagnostic centers.

It is a twelve month program starting from January to December every year. Those who wish to enroll their laboratories during the middle of a cycle can do so by paying the same registration fee, but those labs who report results for at least six months alone are eligible for the participation certificates at the end of the cycle.

The various programs in the scheme includes

1. Chemistry I - Glucose, Urea, Creatinine, T. Bilirubin, T. Protein, Albumin, Calcium, Phosphorus, Uric acid, T. Cholesterol, Triglyceride, HDL cholesterol, Sodium, Potassium, Chloride, Bicarbonate, SGOT (AST), SGPT (ALT), ALP, amylase, CK- Total, Iron and Magnesium.

Chemistry II - Glucose, Urea, Creatinine, T. Bilirubin, T protein, Albumin, Uric acid, Cholesterol and Triglyceride,

2. Thyroid and Cortisol - Total T4, Free T4, TSH, Total T3 and Cortisol

3. HbA1c

4. Reproductive Hormones - LH, FSH, Prolactin, Testosterone, beta HCG, Estradiol and Progesterone

5. Biochemical Markers for Down's screening - Alpha Fetoprotein, PAPP, Free beta HCG

6. Urine Chemistry - Urea, Creatinine, Calcium, Phosphorus, Uric acid, Na, K and Urine albumin

7. Tumor Markers - AFP, BHCG and PSA (Total)

8. Urine (Microalbumin & Protein) - Microalbumin and Protein

9. Trace Metal - Copper and Zinc

10. Cardiac Marker - Troponin

In this scheme, human sera and whole blood that are found to be negative for viral check are used for preparing the samples.

The basic operation involves preparation of a master pool of human serum as per WHO recommended procedure, dispensing the correct volume into the vials and lyophilization. Homogeneity and stability checks are done as per the ISO 13528:2015 standards. The lyophilized vials are sealed, well packed in thick envelopes and distributed through courier service or postal service to all the participating laboratories.

Dispatch of samples is done once in four months, during the 3<sup>rd</sup> week of April, August and December. The laboratories are requested to reconstitute the correct sample, analyse and enter the results in the web site before the 20<sup>th</sup> of every month. Any amendments can be made only till the 25<sup>th</sup> of the month and it should be sent through an e mail only clearly mentioning the lab number and reason for amendment. Once the report is published on the net, no amendment can be made. Evaluation of the report is based on WHO and ISO 13528:2015 recommend expressions such as Robust mean for the assigned value and SDI (Z score) for individual parameters. Details on monthly report and the statistical tools are available on the monthly summary page. Evaluated monthly report is uploaded into the net by 1st Week of the succeeding month.

Each laboratory is assigned a lab number and they are requested to secure the pass

**Links**


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[About EQAS](#)


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[About Our Department](#)


---

[Contact Us](#)


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[EQAS Registration](#)


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word.

The participants are requested not to share or discuss their results with other laboratories before the release of report on to the web site.

After the completion of the cycle the yearly summary is updated into the web site for individual labs and certificates are sent to the eligible laboratories.

The CMC-EQAS providers maintain confidentiality of the participants' demographics, results, reports or any other information provided by them.

**This scheme is fully run by the department of Clinical Biochemistry and none of the components are sub contracted.**

The EQA program has created awareness among participants and proved to be a valuable exercise and the numbers of laboratories are steadily increasing every year.

The Chemistry, Thyroid Hormones, Reproductive hormones, HbA1c & Biochemical Markers for Downs screening programmes are accredited by NABL in accordance with the standard ISO/IEC 17043:2010 The participants are requested to contact us for any queries.

Contact us E-Mail: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)

Phone: 0416 – 2283102 (only during working hours – 8.00 am to 4.30 pm during week days and 8.00 am to 12 noon on Saturdays.)