



Quality Control Centre Switzerland - CSCQ

1. Your participant number

Lab

must appear on your mail

2. Phone numbers

- Technical questions, answers in French 022 305 52 30
- Technical questions, answers in German 022 305 52 31
- Technical questions, answers in Italian 022 305 52 32
- Accounting 022 305 52 36
- Fax 022 305 52 38

3. Mail address

C S C Q 2, chemin du Petit-Bel-Air
 CH - 1225 Chêne-Bourg

4. WEB, E-mail, and EAN

- **WEB :** <http://www.cscq.ch>
- **E-mail :** cscq@hcuge.ch
- **EAN :** 760 100 132 6507

5. Official and formal recognition

QUALAB

CSCQ is recognised by QUALAB (Swiss Commission for Quality Assurance in the Medical Laboratory) as being an official control centre for the quality of medical analysis since its foundation.



WHO Collaborating
 Centre for Laboratory
 Quality Assurance

The Quality Control Centre Switzerland is a WHO Collaborating Centre for Laboratory Quality Assurance since 1997.



CSCQ is accredited by the Swiss Accreditation Service (SAS) with respect to the International Organisation for Standardisation ISO 43-1, ISO 17 020 and ILAC G-13, thus being recognised as a type A Inspection Centre (SIS – Swiss Inspection Service) at the Swiss, European and International level since 1999 (accreditation number SIS 051).



CSCQ is ISO 9 001 : 2000 certified by SQS (Swiss Association for Quality and Management Systems) since 1999.



CSCQ is recognised as a FAMH formation centre for clinical chemistry, category C, since 2006.

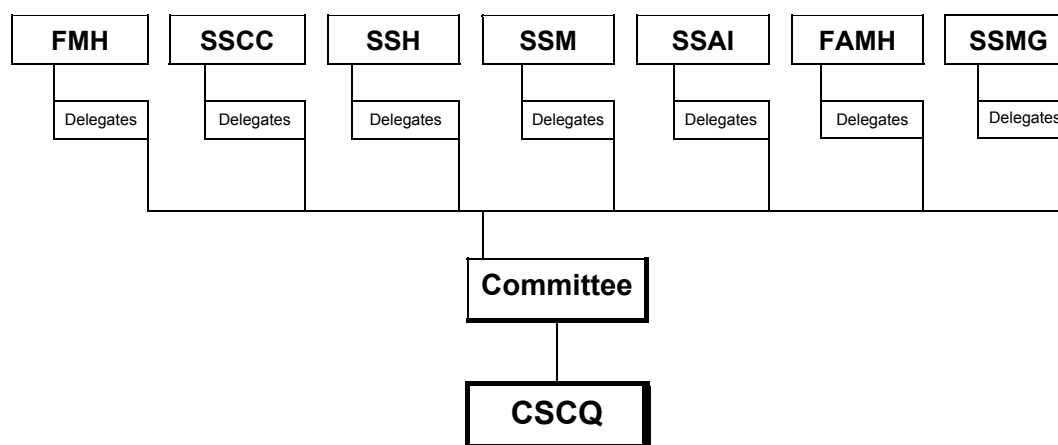
6. Introduction

- Information contained in this handbook give you the possibility to perform quality assessments of your analyses within the best conditions (inter-laboratory surveys, performance analysis surveys, EQA – external quality assessment) for which you receive samples of control material from CSCQ. It is thus important to read this handbook carefully and to keep it for references.
- This handbook must be transmitted and its content explained if the responsible person for quality assessment is replaced by his successor.
- This handbook is also available in French German and Italian as are all CSCQ services.

7. Opening hours

- To answer your phones, CSCQ is open from Monday through Friday from 08:30 to 12:00 and from 14:00 to 17:00, except for public holidays.
- If you wish to call out of the opening hours, you can leave a message 24 hours a day, 365 days a year on our responder or at our email address. We will treat your request and/or call you back in due time.

8. The Quality Control Centre Switzerland



- The Quality Control Centre Switzerland is a non profit-making organisation, founded in 1972 by professional and scientific societies, among which:
 - ◆ Federation of Swiss Medical Doctors (FMH)
 - ◆ Swiss Society of Clinical Chemistry (SSCC)
 - ◆ Swiss Society of Haematology (SSH)
 - ◆ Swiss Society of Microbiology (SSM)
 - ◆ Swiss Society of Allergology and Immunology (SSAI)
 - ◆ Swiss Society of Medical Genetics (SSMG)
 - ◆ Swiss Association of chief executives of medical laboratories (FAMH)On the other hand CSCQ maintains sustained contact with other scientific societies for/or with which it organises EQA surveys.
- CSCQ has two main assignments:
 - ◆ to offer external quality surveillance to individuals or groups of individuals (doctor's offices, private laboratories, hospital labs, pharmacies, veterinarians, dentist's offices, schools, etc.)
 - ◆ to organise regularly surveys, in order to allow registered laboratories to compare each others' results or to compare results obtained by recommended procedures or reference methods.
- CSCQ also offers audits in clinical research and continuous education.

CSCQ IS THE ONLY QUALITY ASSESSMENT CENTRE FOR MEDICAL ANALYSES TO BE RECOGNISED BY THE FOLLOWING ORGANISMS ALL TOGETHER: QUALAB, WHO COLLABORATING CENTRE, SWISS INSPECTION SERVICE - SIS (ISO 43, ISO 17 020 AND ILAC G-13), AND ISO 9 001.

9. Confidentiality

- The participant number which appears on the first page of this manual identifies your laboratory. This is a personal number, which allows to treat your results confidentially. It must be indicated on all documents that submit to CSCQ. It appears on the right lower corner of all documents that you will receive from CSCQ (result forms, reports, certificates).
- CSCQ guaranties to each participant full anonymity on his individual or group results. Therefore your participant number must only be used when you get in contact with CSCQ. It should not be transmitted to third parties. You are the only one to receive the report on your results. The Quality Control Centre Switzerland does not transmit to anybody any information concerning your lab and yourself.
- Of course, CSCQ collaborators operate under professional and duties' secrecy.

10. Legal requirements

- Good laboratory practices require internal and external quality assessments for each parameter. Legal requirements on external quality assessments are prescribed by the competent Swiss organisation QUALAB. The decision for a control to be compulsory or not, is not CSCQ's responsibility. CSCQ transmits the information to you and gives you the possibility to respect legal requirements and current regulations.
- Important current rules and compulsory parameters can be found in the appendix "Legal requirements".
- In practice, the laboratory must get into contact with CSCQ and give the information on the parameters they analyse and the methods they use. The laboratory then receives regularly control material (samples) adapted to the declared type of analyses. The lab sends back the results they have obtained and receives an assessment report with its performances compared to all participating laboratories, on one hand, and on the other hand, compared to users of the same operating methods. Comments are included in the report which should give the lab the opportunity to improve the quality of its performances. For good standardised methods (closed systems, dry chemistry) this EQA is also useful, because it allows to confirm that the analytical work has been done in due form and that the material used (instrument, reagent) remains valid.
- EQA allows to prove to third parties (patient, social security, authorities, etc.) the quality of the executed work.
- Finally EQA is a permanent source of information and should never be considered as an administrative constrain.

11. Outsourcing

- EQA samples should never be send to an external laboratory. To respect legal requirements, control samples should obviously be analysed by the laboratory which gives the results back, as done for a patient sample.
- A laboratory should never accept to analyse an EQA sample for another lab. In case of doubt FAMH advises to protect itself with the inscription on the report of the following sentence:
This result is solely an internal verification of your own laboratory values and does not allow you to escape from legal requirements on quality assessments.

12. Programs and parameters

The various programs and parameters proposed by CSCQ are described with their characteristics in the specific appendices.

13. Assessed methods, instruments, reagents and applied standards

- CSCQ keeps the list of the assessed methods updated. This list can be obtained on request.
- Depending on the parameter, a quantitative or qualitative assessment analysis, or an assessment by discrete values is performed (see appendix "Assessment and Reports").
- To ensure exact interpretation of your results, CSCQ must have the information on your analytical system. For each parameter, exact identification of the method applied for its determination allows to correctly compare results of users of the same analytical procedure. We thank you to keep us immediately informed of any changes by phone fax or mail.

Results for the same parameter and with the same sample can be (quite) different depending on the procedure and/or the applied analytical system. The most well known cases are without any doubts the enzymes. Thus, depending on the right coding of your analytical methods, your results can be accepted, or rejected if they are beyond the tolerance values.

- In order for the changes to appear on the result forms of the ongoing survey, they must be communicated by phone, fax or mail 5 weeks at the latest, before the samples are sent. Changes can also be communicated at the same time as your results are. They will be considered for the ongoing and the following surveys.
- To prevent any dysfunction of your analytical system, which would lead to wrong results, we recommend to keep away (by at least 2 meters) any instrument with high frequency or high energy emitting signals (mobile phones, pagers, x-ray instruments, etc.).

14. General remarks on methods

- Each parameter can be assessed with respect to one of the methods included in the appendix « Assessed Methods». If there is any doubt on the applied method, the sales representative of your instrument can help you.
- Several analytical systems can be considered for certain parameters. This way of proceeding allows the statistical calculation not to be biased thanks to a rather large number of participants using the same method. This is the case, in particular, for complete systems, for instruments necessitating a specific sample or for enzymes. In these cases, a specific assessment is performed.

15. Specificity linked to methods and instruments

- Several instruments need specific manipulations to analyse control samples. Specific direction for use are made available by the manufacturers. You can find some of them in the specific appendix of the concerned program, as is the case for the instruments CoaguChek[®], various glucometers, HepatoQuick[®], QBC[®], Nycocard[®], etc.

16. Description of methods and systems

- The description of your methods and analytical systems are included in our data base. Thus, it is not necessary to mention them each time you give a result back, **unless** you change the methods. This information is repeated with each sample shipment.
- If you do not communicate your methods, your results cannot be assessed.
- If you need help to describe your methods, you can get into contact with the sales representative of your reagent/instrument manufacturer, or with CSCQ.

17. Confirmation of participation

- All registered data are included in the confirmation of registration, in particular the following information:
 - ◆ complete identification of the laboratory
 - ◆ programs and parameters for which you are registered
 - ◆ methods, reagents, instruments and used standards.
- In case of any method changes, you can modify the document directly and mail it back to CSCQ or make these changes on the result form itself.
- Upon request, CSCQ can mail the invoices to another address than the contact one. Furthermore the samples can also be sent to another address, in order to guarantee their storage (the address of another lab is not acceptable).

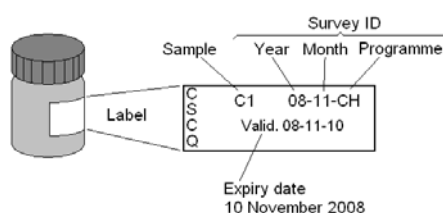
18. Multiple assessments

- Laboratories using different procedures for certain parameters can give a result for each of them.
 - ◆ If the procedure is included in the same analytical system, the laboratory must have several participant numbers (case of several instruments and/or identical procedures).
 - ◆ If the procedure is not included in the same analytical system the second (or xth) procedure can be included in the first registration.
- In each case, the procedures must be described correctly and each result must be given in accordance with the applied method. Please get into contact with CSCQ if you are interested in such a possibility.

19. Reception of control samples

- The “Survey Schedule” gives information on the survey organisation dates. An updated list is published every year and sent to you automatically.
- Samples are sent on Mondays by postage. Thus you must receive them on the following day or within the 2 next days. If you should receive your samples damaged, please contact directly your local post office with a complaint form.

- If possible (depending on sample expiry dates), sample distribution date can be postponed for one week. However the date when the results must be returned cannot be changed.
- The sample code is written on each vial for each survey. Definition of the codes are given in the appendix of each program.



20. Precautions

- With the exception of the material used for virology surveys, the biological liquids have been tested and assessed negative for antibodies anti-HIV, anti-HCV and HBs antigen. However, presence of pathogenic agents cannot be excluded, in particular for the microbiology surveys.
- Thus, each survey sample must be considered as potentially infectious.

21. Sample specificity

- For each survey, the participant receives one or several control samples, depending on the survey he is registered for. The sample to be used is indicated on each EQA descriptive sheet. The specific sample to be used for a given survey is indicated in the first column of each result form.
- We propose material compatible with the analyses given in our programs. As for the daily practice, some of these samples can have physiological or pathological (high or low) concentrations. Samples with high concentrations must be diluted, as it is done for patient samples.
- We use specific control material for a given analytical system only when regular samples do not allow to perform the dosage with that particular system.
- Samples can be composed of liquid or lyophilised whole blood (B), serum (S) or liquid or lyophilised plasma (P), liquid or lyophilised urine (U), or other specific control material. Except for specific information, the samples must be stored protected from light in the refrigerator (+ 2 to + 6 °C). They should never be frozen.
- Additional samples can be provided within the limit of our stocks, with a participation to the additional costs.
- Except for possible reconstitution, these samples must be treated as patient samples, which means using the same procedure and repeating the analysis only if you would repeat the analysis in the same conditions for the patient sample. Dosages should never be transmitted to another laboratory.
- Control sample analysis must be performed as soon as you receive the samples or at the latest within the expiry date indicated on the label. You can find in the appendices of each EQA descriptive sheet information on specific parameters.
- **In no way, a control sample should be used as a standard.**

22. Results turned in

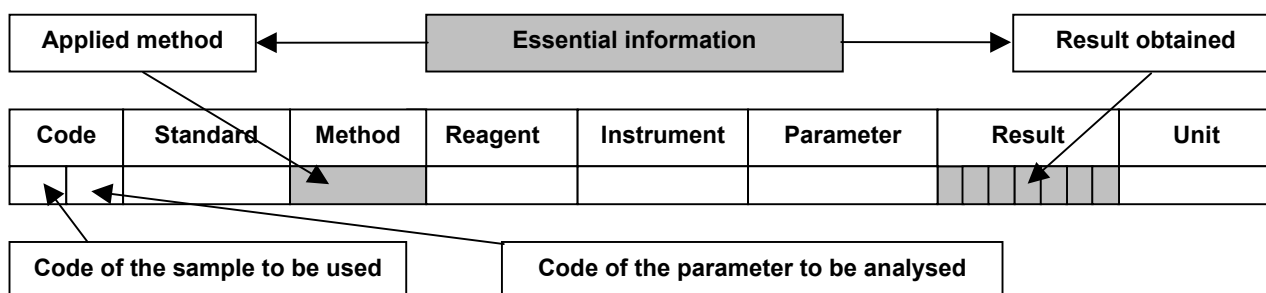
- You must be able to certify that the results turned in come from your own laboratory. EQA samples cannot be outsourced. Thank you for your confirmation by signing each result form.
- The date when the results should be turned in (included on each result form and in the appendix "Survey Schedule") is the very last date for reception of your results by CSCQ. This date cannot be postponed. If we receive your results after this date, they will not be taken into consideration for assessment. You will then receive a global report with the mention "not received".
- Some laboratories using several instruments introduce correction factors in order to have patient results always identical, independently of the applied method of analysis. For these laboratories, the following rules are important in order to have a correct evaluation:
 - ◆ in the description of the method, indicate the analytical system with which the control sample has been really analysed,
 - ◆ calculate again the (transformed) result given by the instrument to eliminate the introduced transformation factor,
 - ◆ turn in the so-obtained result.

23. Units of measurement

- Results must be expressed with the units recommended in Switzerland, in particular with IS units (International System Units). The litre (l) is the recommended unit for volume. No other unit should be applied.
- Reminder: the character E indicates power, Thus, 10 E12/l means "10 to the power of 12 per liter".
- For pressure (pO_2 , pCO_2), the recommended unit is kPa. CSCQ has edited a brochure on conversion factors to be used which is at your courteously disposal and sent to you on request. We remain also at your service to advise you on this matter.
- Results can be returned by Internet, mail or fax. It is important to send us your results only once and not to use several transmission means simultaneously.
- Concerning your correspondence with CSCQ, you can send all your documents by non-priority B-postage within the time limit of answer.

24. Result forms

- With the sample you receive a result form with all parameters you are registered for and which can be analysed with the appropriate sample(s).
- Your identity is included on these forms, as well as the sample code(s), the parameters to be analysed and the analytical system. You only have to verify these pre-printed data and to complete the cells **legibly** with your result. You can also modify the pre-printed information, in case of change in methods, instruments, reagents, as well as your address.



- To improve data capture of the results, CSCQ has introduced an automatic data capture. Please beware of:
 - ◆ pre-print units,
 - ◆ position of the decimal point and the decimals. Do not use « - » or « / ».
- If your result is lower or higher than the limits of measurement of your instrument, the character « < » or « > » must be introduced in the first cell.
- All written character must be reported within each cell, without touching the edges.
- Results with more than 5 digits will be introduced within the available cells, without considering the place of the decimal point. Examples of results:

Code	Standard	Method	Reagent	Instrument	Parameter	Result					Unit					
C1	3	Closed	SpotReady	KDK (Axon)	Spotchem EZ SP 4430	S-Ca				2	,	2		mmol/l		
C1	10	Closed	Réflotron	Roche	Réflotron	S-Urates			4	6	7	,		mmol/l		
T1	65	Behring	Innovin	Innovin	BS, BCT	P-PT INR				1	,	7		INR		
T1	66	Closed	PRO PTN	Roche	Coaguheck Pro PT N	P-PT %			4	1	,			%		
CR	700	Closed	Nycomed	Nycomed	NycoCard Reader	S-CRP	<			6	,			g/l		
K1	6500	---	Coagu Plus	---	Coaguheck Plus	Lot N°	2	0	1	4	0	,	2	0	0	-

- Empty cells are available for other results you would like turn in, as far as these analyses are included in our programs (see list of parameters in the appendix "Requirements for participation and Registration"). In this case, it is essential to transmit minimal information concerning the applied method.
- If the result is given in form of $\geq x$ or $\leq x$, only "x" will be introduced to allow statistical analysis.
- If your method gives the result in form of an interval (i.e. CRP, D-Dimers, etc.), this interval has to be given as result. On the other hand, if you give an interval ($a < x < b$) for a method which is not concerned with intervals, the mean value will be calculated $\{(a + b) / 2\}$ and reported as result.
- It is advisable to give your results back with EQAcom, the electronic data capture specific program or by mail. Faxes do not always allow a good legibility.

25. Point of care analyses (POCT)

- EQA for POCT-analyses is integrated within the various specific programs. This way of proceeding allows organisational simplification, a more important number of participants for statistical assessments and a better comparison within various methods of analyses.
- Following analyses are concerned, in particular:

Analyses	CSCQ Programs
Glucose	Chemistry
Quick	Hemostasis
HIV	Virology
Blood formula	Haematology

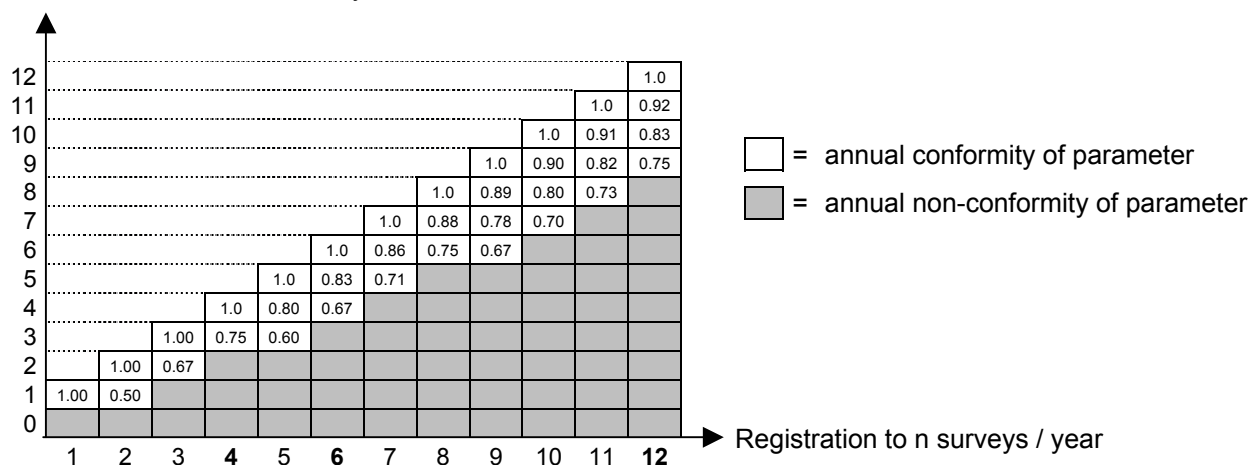
26. Internet transmission of results – EQAcom

A simple and user-friendly software for transmission of your results with Internet is available. Detail information is given on our web site www.cscq.ch. The user's guide is available only electronically.

27. Certificate of participation

- At the beginning of each year, a certificate of participation is sent to the participants. The period runs over the last 12 months and this certificate includes all the necessary elements which can be asked by the Authorities concerning parameters which have been analysed within external quality assurance.
- If your laboratory belongs to those which have to prove to their Associations (FMH, FAMH, H⁺, SSPh, etc.) or directly to QUALAB their participation to EQA, the certificate issued by CSCQ can be submitted.
- For this purpose, the certificate contains the following information:
 - ◆ name, address and EAN number of the laboratory
 - ◆ covered period
 - ◆ analyses submitted to EQA by the laboratory
 - ◆ number of results returned for each parameter
 - ◆ respect for tolerances as defined by QUALAB for each parameter.
- Updated QUALAB requirements are available on our web site www.cscq.ch. Today, these requirements ask you, in particular:
 - ◆ to participate to one survey each quarter for each parameter, at least,
 - ◆ to be "satisfactory" for 75 % of the results for each measured parameter.
- On the annual certificate of participation, the quotient of number of satisfactory results over total number of results (surveys) is up or down rounded. Annual conformity is obtained when at least 1 result over 2 is satisfactory, 3 over 4, 4 over 6 or 9 over 12, depending on the annual number of surveys.
- The following diagram gives conformity for all cases (registration to more than 4 EQA, registration during the year, etc.), with the exception of virology and molecular biology, in particular, where 100% of satisfactory results must be obtained:

Number of conform results / year



- Copies of the certificate can be send upon request with participation to the costs.

28. Continuous education

Participation to an external quality assessment and analysis of your results being out of the tolerances, in particular, search for reasons of malfunction and search for the solutions to be applied in order to resolve the problem is a good exercise of continuous education.

Several scientific organisations have taken this aspect into consideration and give a certain number of credits which are indicated in the concerned EQA descriptive sheets (pre-analytic, dermatology-mycology, etc.).

29. Filing External Quality Assessment (EQA) documents

Result forms, reports and certificates must be kept during 5 years in order to give proof of your participation, if requested.

30. Internal Quality Assessment (IQA)

Legal requirements and "Criteria for the laboratory practice in medical analysis" (CFLAM) foresee a regular internal quality assessment (IQA) next to the external surveillance of quality. Responsible for IQA is the chief of the laboratory. this assessment should be considered as a personal control and gives information on the precision of the measurements.

31. Delegates of the Scientific Societies at CSCQ

- All members of FAMH, the responsible persons within private laboratories can be consulted as experts by the CSCQ participants, if they have problems concerning interpretation of the elements contained in this handbook, or questions on methodology or technical questions.
- Professional (FMH, FAMH) and scientific societies (SSCC, SSH, SSM, SSAI, etc.) have nominated delegates who form the CSCQ Committee. Their names can be found in the appendix "Committee Members".

32. Requirements for participation

- In the appendix "Requirements for participation and Registration" general conditions for registration are given and it can be used as a registration form.
- Participation is per year, but can be induced any time. Invoices are sent twice a year. Registration during the year will be billed pro rata temporis. Invoices are sent in the middle and at the beginning of each year. They include all programs to which the laboratory is registered. Program prices and services proposed by CSCQ can be found in the appendix "Prices". Invoicing codes of each survey are given in the EQA descriptive sheets.

33. Bank contact

UBS SA Account 384 998 29 H TVA: 256 421
Route de Florissant 59 Clearing: 0240 Registre du commerce: GE 7145
CH - 1206 Geneva Swift: UBS WCHZH12A

IBAN (International Bank Account Number) : CH42 0024 0240 3849 9829 H
BIC (Bank Identifier Code) : UBSWCHZH80A

34. Handbook update

- When you receive from CSCQ updated pages of this handbook, it is important to destroy the old pages and replace them by the new ones. Page and version number, as well as date of update, are included on each page.
- Including regularly the updates in your handbook is a guarantee for a good performance of EQA, and is your responsibility.
- Regularly updated information is available on the CSCQ web site (www.cscq.ch).

35. Complaints

Although greatest care is given to guarantee the best provided service, it might be that you are not completely satisfied. Thank you for telling us about it, so that we can set things straight and improve our work. Each complaint is treated internally through a strict protocol.

36. Available appendices

- Following appendices belong to the handbook. Main appendices are sent to all participants and others only to concerned participants registered for a specific program, or on request.
- Each appendix is regularly updated and can be consulted on the CSCQ web site (www.cscq.ch).

Main appendices

- ▶ Abbreviations and synonyms
- ▶ Survey schedule
- ▶ Requirements for participation and Registration
- ▶ Sample identification
- ▶ Assessments and reports
- ▶ Prices
- ▶ Legal requirements
- ▶ FAQ

Specific appendices

- ▶ Assessed methods
- ▶ Control of the calibration of the pipettes
- ▶ Committee members

Electronic appendices (only available on the web site www.cscq.ch)

- ▶ EQAcom user's guide

Programs

Specific EQA descriptive sheets are available for each EQA program organised by CSCQ (*if not available in English, see French, German or Italian version*).

Program / Parameter	Name of EQA descriptive sheet	Survey name	Survey Code
Alcohol °	Forensic Medicine MD+OH °	Alcolemia	OH
Bilirubin of the new-born	Bilirubin	Clinical Chemistry and/or Immunology	CH
Blood gas	Blood gas	Blood gas	G1
Blood parasitology	Blood parasitology	Blood parasitology	P2
Bone metabolism	Bone metabolism	Hormonology and/or Bone metabolism	HO
Cardiac markers	Cardiac markers	Cardiac and/or Tumour markers	MA
CDT	Clinical toxicology	Clinical Toxicology	TO
Cerebrospinal fluid	LCR	LCR	SF
Clinical Chemistry	Chemistry CH + CR + HbA1C	Clinical Chemistry and/or Immunology	CH
Clinical Toxicology	Clinical Toxicology	Clinical Toxicology	TO
Coagulation	Hemostasis	Haematology and/or hemostasis	HE
CRP	Chemistry CH + CR + HbA1C	Clinical Chemistry and/or Immunology	CH
D-Dimers	Hemostasis	Haematology and/or hemostasis	HE
Dermatology - mycology	Dermatology	Dermatology - mycology	DE
Differential haematology	Differential haematology	Differential haematology	HD
Drogues of abuse	Drogues of abuse	Clinical Toxicology	TO
Genetics	Genetics and Molecular Biology	Molecular Biology – mutation screening, Coagulation factors II (20210) and V (Leiden), MTHFR	BC
		Hereditary hemochromatosis Mutation screening of the gene HFE	HC
Gram	Gram	Gram, coloration de -	M3
Gram coloration	Gram	Gram coloration	M3
Haematology	Haematology	Haematology and/or hemostasis	HE
HbA1C	Chemistry CH + CR + HbA1C	Clinical Chemistry and/or Immunology	CH
HBV (HBs)	Virology	HBs antigen	HV
HCV	Virology	Anti-HCV antibody screening	HV
HIV	Virology	Anti-HIV1/2 antibody screening	HV
HIV, rapid test	Microbiology rapid test	Microbiology	MB
Hormonology	Hormonology	Hormonology and/or Bone metabolism	HO

Program / Parameter (cont'd)	Name of EQA descriptive sheet	Survey name	Survey Code
IgE	Immunology	Clinical Chemistry and/or Immunology	CH
Immunology UKNEQAS	Immunology	<i>outsourcing</i>	---
Medicines & Drugs (MDV) °	Forensic Medicine MD+OH °	Driving under the influence of drugs	MD
Microbiology QCMD	Microbiology	<i>outsourcing</i>	---
Microbiology UKNEQAS	Microbiology	<i>outsourcing</i>	---
Molecular Biology - hemochromatosis	Genetics and Molecular Biology	Hereditary hemochromatosis Mutation screening of the gene HFE	HC
Molecular Biology - hemostasis	Genetics and Molecular Biology	Molecular Biology – mutation screening, Coagulation factors II (20210) and V (Leiden), MTHFR	BC
Occult blood	Occult blood	Occult blood	SO
Photometry	Spectrometry	Spectrometry	NM
Porphyrins	Porphyrins	Urinary Porphyrins	PU
Pre and post analytical	Pre and post analytical	Pre and post analytical	PA
Reticulocytes	Haematology	Haematology and/or hemostasis	HE
Sedimentation rate	Sedimentation rate	Haematology and/or hemostasis	HE
Spectrophotometry	Spectrometry	Spectrometry	NM
Sterilisation	Sterilisation	Sterilisation	ST
Strep A	Microbiology rapid tests	Microbiology	MB
TDM	Clinical Toxicology	Clinical Toxicology	TO
Toxoplasmosis	Toxoplasmosis	Toxoplasmosis Serology	P1
Tumour markers	Tumour markers	Cardiac and/or Tumour markers	MA
UCI – Health assessment °	UCI - Health assessment °	International Cycling Union	UC
Urine teststrips	Urine and urine teststrips	Urine and/or urine teststrips	UB
Urine, quantitative	Urine and urine teststrips	Urine and/or urine teststrips	UB
Urine-Slide / Uricult®	Microbiology rapid tests	Microbiology	MB
Virology	Virology	HBs antigen Anti-HCV antibody screening Anti-HIV1/2 antibody screening	HV
Volatile	Clinical Toxicology	Clinical Toxicology	TO
WADA - PT Haematological module °	WADA - PT Haematological module °	World Anti-doping Agency	WA

° Available only for concerned laboratories

P e r s o n a l n o t e s