

# RIQAS

**RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME**

**METHOD QUESTIONNAIRE  
MONTHLY CLINICAL  
CHEMISTRY PROGRAMME  
RQ9128**

Please be aware that the RIQAS Instrument and reagent supplier codes are now in a separate booklet. Please ensure you have a copy of this in order to complete this document.

**This document must be retained by participant**

# REGISTRATION INSTRUCTIONS & RIQAS POLICIES

## CRITERIA FOR PARTICIPATION

This programme is available to any laboratory running the assays listed in this document. Quantitative results will be accepted on this programme.

### INTRODUCTION

Method questionnaires are available for all routine RIQAS Programmes and are reviewed and updated every month, as indicated by the issue date at the bottom of every page. They are designed to allow you to register for this RIQAS Programme and to inform you of RIQAS protocols and policies. It is important that you read and understand all the information in these introductory pages before completing the enrolment document, which forms the basis of your registration and contract with RIQAS. If you have any questions or concerns about any of the information presented in this document, please contact RIQAS either directly or through your local Randox Laboratories representative. RIQAS Calendar dates and information about the RIQAS portfolio of products can be found on [www.randox.com/riqas-external-quality-assessment](http://www.randox.com/riqas-external-quality-assessment).

### REGISTRATION INSTRUCTIONS

**NOTE: IF A REGISTERED PARTICIPANT DOES NOT PARTICIPATE FOR A CYCLE, THEY WILL BE EXPECTED TO COMPLETE NEW ENROLMENT DOCUMENTS IN ORDER TO RE-JOIN THE PROGRAMME.**

#### METHOD QUESTIONNAIRE:- To be retained by participant

This method questionnaire should be completed and retained by you for your records. Please ensure that you complete the method questionnaire in full. Your details will help us to classify your results correctly and thus provide you with useful statistical data.

In order to fully complete this questionnaire you will also need a copy of the RIQAS Instruments and Reagent Suppliers which is available to download from the Randox website ([www.randox.com/riqas-external-quality-assessment](http://www.randox.com/riqas-external-quality-assessment)). Please ensure you have this list available when completing this questionnaire.

Following this introduction section, is the method questionnaire, which indicates the method codes available for each parameter along with the standard RIQAS unit. On the method questionnaire, for each parameter you wish to run, please tick the method appropriate to you, then state your instrument code, reagent code, and the units that you use in your laboratory if they are different from the RIQAS standard units. If codes are not available for your assay, please state the details of your method clearly in the section at the end of the enrolment document.

**NB** For enzymes, it is important for you to record the temperature at which the assay is performed.

**Once your method questionnaire has been completed, you must transfer the information onto your enrolment document.**

#### ENROLMENT DOCUMENT:- To be returned to RIQAS

**Please be aware that it may take up to 3 weeks to process enrolment documents if you are not entering your own assay details. When registering RIQAS enrolment documents, it is recommended that you state business contact details, rather than personal.**

#### A. LABORATORY REFERENCE NUMBER

On receipt of an enrolment document, each participant is assigned a **laboratory reference number** which consists of a **participant number** which is unique to your laboratory and a **registration letter** which is assigned for each new registration we receive from you. If you are a current or previous participant, please state your **participant number** on the enrolment document. If you do not have a Laboratory Reference Number, this will be generated by RIQAS when you register for the first time and you will be sent RIQAS literature, which will enable you to understand the RIQAS process and interpret your reports. Please quote this number on all correspondence with RIQAS.

#### B. GROUP REPORTS

It is possible to enrol multiple instruments within your laboratory. Kindly complete separate enrolment documents for each instrument clearly identifying each instrument in the box provided. A complementary instrument group report is supplied if you have returned results for more than one registration of the same programme. If you intend to enrol laboratories at different sites or if you are part of a group of laboratories, an inter-laboratory group report for each sample can be supplied on receipt of a completed authorisation form from each registered laboratory. Please contact RIQAS for a copy of the official inter-laboratory authorisation form.

#### C. ORDER NUMBER

If you are a UK or Irish participant, please state your official order number in the boxes provided. Other participants may order directly from their local Randox Laboratories representative.

#### D. CYCLE/PRODUCT REQUIREMENTS

Please tick the cycles you wish to subscribe for. If there is more than one kit/product offered for the programme, please also tick the kit you wish to subscribe for.

#### E. PRIMARY CONTACT DETAILS

It is important to state the full address details of the Quality Assessment Officer or contact person who will receive all correspondence during the cycle. Please also state the company name of the Randox representative who is supplying you with the RIQAS product under 'Randox Office/Distributor'

Please inform RIQAS of any change to contact details as soon as possible.

#### F. RIQASNet

RIQASNet is a web-based online method for result entry / method changes and additions of parameters / viewing of released reports. To access RIQASnet go to [www.riqas.net](http://www.riqas.net). Internet access and login details are required for RIQASNet and Adobe Reader is required for viewing reports. Your initial login information and password will be supplied by RIQAS. Once you have logged in for the first time you will be able to change your RIQASNet password. If you forget your password please follow the 'Forgotten Password' link. Your login information will be based on the 1st email address you supply on your enrolment document. A PDF copy of the report will be sent to this address and can also be sent to 2 other email addresses. These addresses should be stated on your enrolment document.

#### G. PDF REPORTS

Reports are sent as PDF files. These files can be sent to up to 3 email addresses. Adobe Reader is required to view the reports. The email addresses to which reports are sent can be reviewed and changed on RIQASNet.

#### H. SUMMARY CSV FILES

Labs can register to receive a csv file which contains a summary of your routine report statistics and performance indicators. This file mirrors the information found on the summary page of your report, except that we have included the calculated SD and SDPA. Also the PERFORMANCE column will show \* in place of the red triangle usually shown on the summary page of your routine report. This can be sent to the 3 email addresses registered to receive the pdf reports. If you wish to receive a summary csv file please indicate this by ticking the box on the enrolment document and include the email addresses to which the reports should be sent. CSV files are also available for Instrument and Inter-Laboratory group reports. Please contact RIQAS for further information.

#### I. CUSTOMER DECLARATION

The declaration indicates that by submitting your enrolment document to RIQAS, either directly or via your local Randox representative, you have read and understood the RIQAS policies stated in the most recent Method Questionnaire associated with this programme. You understand that the submission of your enrolment document to RIQAS marks the beginning of an on-going agreement, and you will be automatically enrolled in subsequent cycles of this programme until we receive written confirmation of your cancellation. This should be received 12 weeks prior to the month in which the cycle starts. You understand that you must inform RIQAS of any changes to your contact details, assay details or contract status. You authorise Randox Laboratories Ltd. to send communication related to the products and service provided to the e-mail or postal addresses stated on your submitted enrolment document. You understand that you are permitted to request disclosure of, change or erase personal details held by Randox Laboratories Ltd. at any time. Note: Method questionnaires are updated every month and the issue date is stated on every questionnaire and enrolment document.

## J. REGISTRATION OF ASSAY DETAILS

Labs can register their assay details using RIQASNet or can complete the 'Registration of Assay Details' section of the enrolment document. Labs should tick the appropriate box under the 'Registration of Assay Details' section of the enrolment document. If a lab wishes RIQAS to register their assay details, they should complete the Registration of Assay Details section using the codes from this method questionnaire and the Instrument/Reagent Supplier Book.

Once a participant has registered they will receive an email containing their RIQASNet login information. Once you have successfully logged in to RIQASNet you will see your various laboratory reference numbers for each registered programme. If you have opted to add parameters/assay details using RIQASNet, please do so as soon as possible (see below).

If no code is available for your assay, please state the details of your method clearly in the section at the end of the enrolment document or follow the instructions on RIQASNet.

For Ortho-Clinical Diagnostics VITROS registrations, please state the 2 digit slide Generation number for each analyte.

If units other than the standard RIQAS units are used, please specify these in the boxes supplied.

**ONCE COMPLETED, THE ENROLMENT DOCUMENT SHOULD BE SENT TO RIQAS FOR REGISTRATION.**

## K. UPDATING ASSAY DETAILS

It is possible to change your unit, method, instrument or reagent classification during a cycle.

**Method changes via RIQASNet:** These can be made in the Assay Details section of the Data Entry menu. A list of your registered laboratory reference numbers will appear on screen. Select the laboratory reference number for which you would like to change the assay details. A current list of assay details will appear, click on the appropriate parameter. To change the details click the arrow box on the appropriate details and select a new one. Save the changes and submit them to RIQAS. Changes will not be instantaneously updated on RIQASNet but will be uploaded onto RIQASNet usually within 72 hours. It is possible to submit results and method changes together as method changes will be made before results are entered in to the RIQAS database.

## L. ADDITION OF PARAMETERS / ASSAY DETAILS

**Adding Parameters via RIQASNet:** Parameters can be added using the Assay Details section of the Data Entry menu. A list of your registered laboratory reference numbers will appear on screen. Select the laboratory reference number for which you would like to add the assay details. At the top of the screen is 'Add Parameter'. Click on this and a list of parameters you are not registered for will appear. Select the parameter you wish to add and click the arrow box on the appropriate details and select your assay details. Save the changes and submit them to RIQAS. As above, additions will be available on RIQASnet usually within 72 hrs.

**NB** Deletions of parameters cannot be made on RIQASNet. If you wish to delete a parameter please contact RIQAS directly on mail@riqas.com.

## ORDERING RIQAS PRODUCTS

Please ensure your purchase order for each cycle is placed with your local Randox representative 12 weeks prior to the month in which the cycle starts. This will ensure sufficient time to process and despatch your kit(s) to you. Participants from UK or Ireland may order products directly from RIQAS with an official order number. Orders received within 12 weeks of the start of the cycle will be processed with an additional administration fee. Current prices of RIQAS products are available from your local Randox Laboratories representative.

It may be possible to order RIQAS products during a cycle, subject to availability. Please contact your local Randox representative for more information.

## SHIPPING AND RECEIPT OF RIQAS PRODUCTS

Provided that you have ordered sufficiently in advance, your RIQAS kit(s) will be shipped to you to arrive before the analysis date of the first sample in the kit. If you do not receive your kit(s) before this time, please contact your local Randox representative.

On RIQASNet please access your account and download the relevant Instructions For Use (IFU) document for the programme and cycle purchased. The IFU includes material characteristics, preparation, stability, storage and safety information. On receipt of your RIQAS kit, please check that:

- it is the product you ordered
- the correct number of samples are present as indicated on the IFU
- the samples have the appearance as indicated on the IFU and that none of them are damaged

Please notify your local Randox representative immediately if any of these are incorrect.

**Please ensure that the product is immediately stored according to the recommendations on the package labelling.**

## ASSAY OF SAMPLES & RETURN OF RESULTS

Carefully read the instructions stated on the Instructions for Use (IFU) prior to preparation and assay of RIQAS samples. **These are available on RIQASNet only.** The RIQAS samples should be assayed at the recommended time specified on the IFU. Following appropriate preparation, samples should be treated as routine, unless otherwise stated on the IFU. Please assay the samples on or before the recommended date for analysis and forward your results to RIQAS by no later than **17:00 GMT on the FINAL DATE**, as indicated in the IFU. Results are submitted via RIQASNet, which can be accessed once you have received log in details via email. This will include a link to RIQASNet Instructions for Use.

## LATE AND CORRECTED RESULTS

In keeping with the objectives of EQA schemes, participants should be aware that collusion and falsification of results is considered to be unethical and constitutes scientific fraud. RIQAS policies must ensure that a laboratory is unaware of RIQAS means for comparison before submitting their own results. Where a result is not submitted by the final date, a report will be issued, but the missing results will be indicated as "No return" or "N" throughout the RIQAS reports. RIQAS permits the submission of late or corrected results only under the circumstances described below. Requests for the submission of late or corrected results must be submitted in writing and in English on RIQAS Form No. 9277-RQ (either by the participant or their local Randox Representative) and must be approved by RIQAS Management. The form is available on [www.riqas.net](http://www.riqas.net).

Requests for the submission of late results must be accompanied by evidence that an error has been made, and that the error has not been caused by the participant.

Requests for the correction or removal of erroneous results must be accompanied by evidence that the error was non-analytical, as defined on form 9277-RQ. RIQAS is obliged to inform country-specific regulatory bodies of requests for correction of results (if they request such information for laboratory monitoring purposes).

New reports will be re-issued for late or corrected results only where there has been an error made by Randox Laboratories HQ, Randox representatives or distributors.

## LATE RESULTS

In general, late results will not be accepted after the final date.

Late results will only be accepted where there has been an error made by Randox Laboratories HQ, Randox representatives or distributors.

## CORRECTED RESULTS

Laboratories may correct results only if it can be determined that the error was non-analytical and where the request for submission is within 4 weeks of the original final date. A laboratory may correct a result under the following circumstances:

- Reconstituting a sample in an incorrect volume before analysis
- Assaying and/or submitting the results for the wrong sample
- Making a transcription error - submission of an analyser print-out indicating that the analysis date was before the final date is required.

## DESPATCH OF REPORTS

Results will normally be processed within 2 days of the FINAL DATE. PDF reports will be emailed the day after the results have been processed and for those registered for RIQASNet the PDF reports will be available on RIQASNet shortly after.

## END OF CYCLE REPORTS

At the end of a cycle, a summary report will be issued to all participants. This includes a summary page for each parameter, an Average Absolute SDI report and a Certificate of Acceptable performance (see below).

## USE OF RIQAS REPORTS

Participants have permission to make copies of their RIQAS reports for internal use and for regulatory purposes only. RIQAS reports must not be duplicated for external use without permission from the RIQAS Scheme Co-ordinator. Under no circumstances should information on RIQAS reports be taken out of context or falsified in any way. Information regarding the format of RIQAS Reports and the monitoring of EQA performance can be found in RIQAS Explained on [www.randox.com/riqas-external-quality-assessment](http://www.randox.com/riqas-external-quality-assessment). Information regarding the calculations and scores used to evaluate participants' performance on RIQAS Reports can be found following log in to RIQASNet, in a document entitled "Evaluation of Performance".

## CONFIDENTIALITY

Participation in any RIQAS programme is considered to be strictly confidential. Any data transfer or correspondence with participants, either directly or via local Randox representative, will be deemed confidential. Participants should be aware that regulatory authorities have the right to request an assessment of a participant's performance. Where regulatory authorities are to be provided with a participant's results, participants will be notified.

## GENERAL DATA PROTECTION REGULATION 2018

Randox Laboratories Ltd. complies with GDPR and holds the minimum information required to maintain the contract with RIQAS customers. Contact details are required in order to effectively provide you with the RIQAS products and services. Participants are not under any obligation to provide personal information to enter into a contract with RIQAS. We recommend that business contact details are provided. All data associated with the provision of RIQAS is collated, stored and processed confidentially and securely, to avoid unlawful processing, accidental loss or damage.

## CERTIFICATES OF PARTICIPATION

Complimentary certificates of participation for each RIQAS programme are made available on RIQASNet to participants at the **end of the current cycle**, provided that **at least 50%** of results have been returned. Participants who enrol mid-cycle will be eligible for a Certificate for Participation if they have participated in at least 50% of samples available for the remainder of the cycle since enrolment. The certificate will specify the cycle, programme and the LABORATORY / HOSPITAL NAME which is detailed in the certificate section of RIQASNet. At the end of a cycle, a list of all eligible labs will be exported from RIQASNet and certificates will be created according to these details. Please ensure all certificate details are up to date in your RIQASNet account.

## CERTIFICATE OF ACCEPTABLE PERFORMANCE

Participants are also provided with a Certificate of Acceptable Performance within their End-of-Cycle report. Acceptable performance is considered to be a Cycle Average Absolute SDI of less than 2. While all participants receive an end-of-cycle report, participants (including those who enrol mid-cycle) are only eligible for Certificates of Performance if they have returned more than half of the samples in a full cycle.

## PERFORMANCE SURVEILLANCE OF UK LABS

RIQAS is obligated to identify and report persistent poor performing UK labs to the National Quality Assessment Advisory Panel. Poor performers are identified as those failing to meet performance criteria agreed with NQAAP. The performance criteria is specified in all performance surveillance correspondence with participants, and is also available on request. Participants are initially informed of poor performance by letter. Failure to improve performance will prompt details to be forwarded to NQAAP. All information sent to participants and NQAAP is strictly confidential. Please contact RIQAS if you require further information on Performance Surveillance.

## PARTICIPANT FEEDBACK, COMPLAINTS & APPEALS

In order to ensure that RIQAS provides an appropriate and satisfying service, participants are invited to complete a feedback survey on RIQASNet. You may contact us at any time during the cycle, should you have any requests for additional programmes or parameters or comments regarding existing programmes.

RIQAS makes every effort to ensure that the samples provided are clinically challenging to as many laboratory systems as possible. For details, please contact RIQAS either directly or through your local Randox representative.

Should the need arise, participants may raise requests or enquiries through correspondence with the local Randox Laboratories representative or by contacting RIQAS directly. Participants may appeal against the evaluation of their performance by completing a PARTICIPANT APPEALS FORM, 10770-RQ. Participants may raise a complaint in relation to the product or service provided by completing the PARTICIPANT COMPLAINTS FORM, 10772-RQ. These forms are available on RIQASNet, or on request from RIQAS.

## SUB-CONTRACTING

RIQAS sub-contracts aspects of the scheme. RIQAS accepts responsibility for the sub-contractors' work and protocols are in place to ensure that sub-contractors are deemed competent.

## OUR COMPETENCE AS A PROFICIENCY TESTING PROVIDER

On request, RIQAS is willing to co-operate with participants seeking evidence of our competence as a proficiency testing provider or information on the design and implementation of RIQAS Programmes.

## DEVIATION FROM EXISTING POLICIES/SERVICE

If there is any deviation from the existing policies or service, participants will be notified either directly or via their local Randox representative.

## COMMUNICATION

As part of the service provided by Randox Laboratories Ltd., participants may be contacted by e-mail regarding updates and new products, in line with Randox Laboratories Ltd. privacy policy, as stated in [www.randox.com](http://www.randox.com).

Please contact RIQAS at

Tel: +44 (0) 28 9445 4399

Fax: +44 (0) 28 9445 4398

E-Mail [mail@riqas.com](mailto:mail@riqas.com)

RIQAS Scheme Co-ordinator: Stephen Doherty

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THIS PROGRAMME IS ACCREDITED  
BY UKAS TO ISO/IEC 17043:2010



0010

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## ACID PHOSPHATASE, PROSTATIC U/I

CODE	METHOD
APP7	<input type="checkbox"/> Chemiluminescence
APP2	<input type="checkbox"/> Naphthyl phosphate substrate, end point
APP1	<input type="checkbox"/> Naphthyl phosphate substrate, kinetic
APP6	<input type="checkbox"/> Naphthyl phosphate with pentane diol
APP3	<input type="checkbox"/> p-Nitrophenyl phosphate substrate
APP4	<input type="checkbox"/> Thymolphthalein phosphate substrate
APPDC	<input type="checkbox"/> Ortho Vitros Microslide Systems Vitros Slide Generation Number <input type="text"/> <input type="text"/>
APPO	<input type="checkbox"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## ACID PHOSPHATASE, TOTAL U/I

CODE	METHOD
ACP2	<input type="checkbox"/> Naphthyl phosphate substrate, end point
ACP1	<input type="checkbox"/> Naphthyl phosphate substrate, kinetic
ACP6	<input type="checkbox"/> Naphthyl phosphate with pentane diol
ACP3	<input type="checkbox"/> p-Nitrophenyl phosphate substrate
ACP4	<input type="checkbox"/> Thymolphthalein phosphate substrate
ACPDC	<input type="checkbox"/> Ortho Vitros Microslide Systems Vitros Slide Generation Number <input type="text"/> <input type="text"/>
	<input type="checkbox"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## ALBUMIN g/l

CODE	METHOD
ALBAG	<input type="checkbox"/> Agappe - Bromocresol Green
ALB1	<input type="checkbox"/> Bromocresol Green (BCG)
ALB2	<input type="checkbox"/> Bromocresol Purple (BCP)
ALBE	<input type="checkbox"/> Electrophoresis
ALBNP	<input type="checkbox"/> Nephelometric Assays
ALBT	<input type="checkbox"/> Turbidimetric Assays
ALBDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
ALBDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II Vitros Slide Generation Number <input type="text"/> <input type="text"/>
ALBOD	<input type="checkbox"/> Other Dry Chemistry
	<input type="checkbox"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## ALKALINE PHOSPHATASE U/I

CODE	METHOD
APAG	<input type="checkbox"/> Agappe - DGKC-SCE
APBC	<input type="checkbox"/> Beckman AMP (Calibrator)
APBE	<input type="checkbox"/> Beckman AMP (Extinction Coeff)
APJS	<input type="checkbox"/> AMPD optimised to JSCC
APNON	<input type="checkbox"/> AMP, non-optimised
APIF	<input type="checkbox"/> AMP, optimised to IFCC
APNS	<input type="checkbox"/> AMP, optimised to NVKC/SFBC
APRED	<input type="checkbox"/> AMP, reduced interference
APINT	<input type="checkbox"/> Roche AMP Buffer IFCC
APDB	<input type="checkbox"/> Siemens/Dade Dimension, AMP buffer
APAMP	<input type="checkbox"/> Other AMP kits
APC	<input type="checkbox"/> Colorimetric
APDEA	<input type="checkbox"/> Diethanolamine buffer, DEA
APTRI	<input type="checkbox"/> Tris/carbonate buffer
APFJ	<input type="checkbox"/> Fuji Dri-Chem JSCC
APDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
APDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II <input type="checkbox"/>
APOD	<input type="checkbox"/> Other Dry Chemistry <input type="checkbox"/>
	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## ALANINE TRANSAMINASE, ALT U/I

CODE	METHOD
ALTAG	<input type="checkbox"/> Agappe - IFCC
ALTBTC	<input type="checkbox"/> Beckman (Extinction Coefficient)
ALTBIP	<input type="checkbox"/> Beckman IFCC Ref. with P5P
ALTBNP	<input type="checkbox"/> Beckman Mod. IFCC Ref. without P5P
ALTC	<input type="checkbox"/> Colorimetric
ALTP	<input type="checkbox"/> Phosphate buffer, DGKC
ALTDB	<input type="checkbox"/> Siemens/Dade standard non IFCC correlated
ALTNP	<input type="checkbox"/> Tris buffer without pyridoxal - 5 - phosphate
ALTIF	<input type="checkbox"/> Tris buffer with pyridoxal - 5 - phosphate
ALTP5	<input type="checkbox"/> Tris buffer with pyridoxal - 5 - phosphate, NVKC
ALTT	<input type="checkbox"/> Tris buffer, SCE
ALTDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
ALTDV	<input type="checkbox"/> Ortho Vitros MicroSlide visible
ALTDI	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II <input type="checkbox"/>
ALTOD	<input type="checkbox"/> Other Dry Chemistry <input type="checkbox"/>
	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## AMYLASE, PANCREATIC U/I

CODE	METHOD
PAM6B	<input type="checkbox"/> Amyloclastic Methods
PAMBK	<input type="checkbox"/> Beckman Synchron CX/LXi/DxC
PAM5	<input type="checkbox"/> Randox Liquid Stable pNPG7
PAM2	<input type="checkbox"/> Roche Liquid Stable pNPG7
PAM4	<input type="checkbox"/> Roche Reflotron
PAM1	<input type="checkbox"/> Immunoinhibition, EPS substrate
PAM3	<input type="checkbox"/> Other Dry Chemistry
	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## AMYLASE, TOTAL U/I

CODE METHOD

### BLOCKED MALTOHEPTAOSIDE SUBSTRATES

- AM1S  Beckman Olympus - blocked pNPG7
- AM1T  Beckman Synchron AMY7
- AM1C  bioMerieux
- AM1D  Biotrol
- AM1P  DCL
- AM1H  Medical Analysis Systems (MAS)
- AM1N  Other blocked Maltoheptaoside substrates
- AM1K  RAChem
- AM1J  Randox Lyo. Ethylidene pNPG7
- AM1Q  Randox Liquid Ethylidene pNPG7
- AM1R  Roche liquid stable pNPG7
- AM1B  Siemens - blocked pNPG7
- AM1L  Sigma
- AM1M  Trace

### NON-BLOCKED pNP MALTOHEPTAOSIDE SUBSTRATES

- AM2A  BM/Roche Colorimetric pNPG7
- AM2B  Other non-blocked pNPG7

### MALTOTETRAOSE SUBSTRATES

- AM3A  Beckman Maltotetraose
- AM3B  Other Maltotetraose substrates

### pNP MALTOPENTA/HEXA OSIDE SUBSTRATES

- AM4A  Siemens/Bayer
- AM4B  Siemens/Dade
- AM4C  Other Maltopenta/hexaoside substrates

### OTHER SUBSTRATES

- AM8J  Abbott Architect cal. factor 3806
- AM8K  Abbott Architect cal. factor 3431
- AMAG  Agappe - CNPG3
- AMBE  Beckman CNPG3 (Extinction Coeff)
- AMBM  Beckman CNPG3 (Master Cal)
- AM8F  2-chloro-pNPG3 - bioMerieux
- AM8N  2-chloro-pNPG3 - Human
- AM8O  2-chloro-pNPG3 - Human IFCC
- AM8H  2-chloro-pNPG3 - Instrumentation Laboratory (IL)
- AM8E  2-chloro-pNPG3 - Siemens/Dade Behring
- AM8G  2-chloro-pNPG3 - Other
- AM8B  2-chloro-pNP-linked substrate - Siemens/Bayer
- AM8C  2-chloro-pNP-linked substrate - Roche Integra
- AM8D  2-chloro-pNP-linked substrate - Other Roche
- AM8A  2-chloro-pNP-linked substrate - Other
- AM6B  Amyloclastic Methods
- AM5A  Beckman Synchron AS - dyed amylopectin
- AM7A  Phadebas Tablet
- AM10  pNP Maltotrioside substrates
- AM6A  Saccharogenic methods
- AMWA  Wiener Amilokit (AU/dl)
- AYDC  Ortho Vitros Microslide Systems
- AYDT  Vitros DT60/DT60 II
- AYOD  Vitros Slide Generation Number
- AYOD  Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## ANGIOTENSIN CONVERTING ENZYME, ACE U/I

CODE METHOD

- ACE3H  3HB-GGG Start
- ACEE  ELISA
- ACEFS  FAPGG Start
- ACEHH  HHL Start

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## ASPARTATE TRANSAMINASE, AST U/I

CODE	METHOD
ASTAG	<input type="checkbox"/> Agappe - IFCC
ASTBTC	<input type="checkbox"/> Beckman (Extinction Coefficient)
ASTBIP	<input type="checkbox"/> Beckman IFCC Ref. with P5P
ASTBNP	<input type="checkbox"/> Beckman Mod. IFCC Ref. without P5P
ASTC	<input type="checkbox"/> Colorimetric
ASTP	<input type="checkbox"/> Phosphate buffer, DGKC
ASTDB	<input type="checkbox"/> Siemens/Dade standard non IFCC correlated
ASTIF	<input type="checkbox"/> Tris buffer with pyridoxal - 5 - phosphate
ASTP5	<input type="checkbox"/> Tris buffer with pyridoxal - 5 - phosphate, NVKC
ASTNP	<input type="checkbox"/> Tris buffer without pyridoxal - 5 - phosphate
ASTT	<input type="checkbox"/> Tris buffer, SCE
ASTDV	<input type="checkbox"/> Ortho Vitros Microslide visible slide
ASTDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
ASTOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## BICARBONATE mmol/l

CODE	METHOD
BICOL	<input type="checkbox"/> Colorimetric
BIDIF	<input type="checkbox"/> Differential rate pH change
BIENZ	<input type="checkbox"/> Enzymatic
BIISE	<input type="checkbox"/> Ion selective electrode
BIMAN	<input type="checkbox"/> Manometric
BIPEP	<input type="checkbox"/> PEP Carboxylase
BIDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
BIDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTE II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
BICOD	<input type="checkbox"/> Other Dry Chemistry

BICO Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## BILE ACIDS µmol/l

CODE	METHOD
BIAE	<input type="checkbox"/> Enzymatic Colorimetric
BIAES	<input type="checkbox"/> Enzymatic Colorimetric - Sentinel
BIOM	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY



# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## BILIRUBIN, CONJUGATED VITROS BC $\mu\text{mol/l}$

CODE METHOD

BCBUBC  BuBc Vitros slide

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## BILIRUBIN, UNCONJUGATED VITROS BU $\mu\text{mol/l}$

CODE METHOD

BUBUBC  BuBc Vitros slide

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## BILIRUBIN, DIRECT $\mu\text{mol/l}$

CODE METHOD

BDAG  Agappe - DIAZO

BDDI  Diazo with Dichloroaniline

BDSA  Diazo with Sulphanilic Acid

BDDB  Diazo/ Sulphanilic Beckman DxC

BDSB  Diazo/ Sulphanilic Siemens Dimension

BDDD  Dichlorophenyl Diazonium

BDVER  Oxidation to Biliverdin/Vanadate

BDRD  Roche DPD Dumas standardised

BDRJG  Roche DPD JG standardised

BDCUS  Roche (US Calibrator Only)

BDOD  Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## BILIRUBIN, TOTAL $\mu\text{mol/l}$

CODE	METHOD
BIAGD	<input type="checkbox"/> Agappe - DMSO
BIAGT	<input type="checkbox"/> Agappe - TAB
BIDI	<input type="checkbox"/> Diazo with Dichloroaniline
BISA	<input type="checkbox"/> Diazo with Sulphanilic Acid
BIION	<input type="checkbox"/> Diazonium ion
BDD	<input type="checkbox"/> Dichlorophenyl Diazonium
BBDPD	<input type="checkbox"/> Dichlorophenyl Diazonium (Beckman AU)
BINBD	<input type="checkbox"/> Nitrobenzenediazonium Salt
BIVER	<input type="checkbox"/> Oxidation to Biliverdin/Vanadate
BIPM	<input type="checkbox"/> Pfaff Medical - Bilimeter 3
BIBL	<input type="checkbox"/> Ortho Vitros Microslide Systems Total Bil
BIBT	<input type="checkbox"/> Vitros DT60/DT60 II Total Bil
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
BIOD	<input type="checkbox"/> Other Dry Chemistry <input type="text"/>

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## CALCIUM $\text{mmol/l}$

CODE	METHOD
CAAGA	<input type="checkbox"/> Agappe - ARSENAZO
CAAGO	<input type="checkbox"/> Agappe - OCPC
CAZO	<input type="checkbox"/> Arsenazo
CAAA	<input type="checkbox"/> Atomic absorption
CACPC	<input type="checkbox"/> Cresolphthalein complexone
CAISE	<input type="checkbox"/> Ion selective electrode
CAMB	<input type="checkbox"/> Methylthymol blue
CABAP	<input type="checkbox"/> NM-BAPTA
CAOES	<input type="checkbox"/> Optical Emission Spectroscopy
CAPO	<input type="checkbox"/> Phosphonazo
CADC	<input type="checkbox"/> Ortho Vitros Microslide Systems
CADT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
CAOD	<input type="checkbox"/> Other Dry Chemistry <input type="text"/>

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## CALCIUM, ADJUSTED (PILOT) $\text{mmol/l}$

CODE	METHOD
CACLA	<input type="checkbox"/> Clase Equation - $Tca(\text{mmol/l})+0.018(35(\text{g/L})-\text{albumin}(\text{g/L}))$
CACON	<input type="checkbox"/> Conventional (Payne) Equation - $Tca(\text{mmol/l})+0.02(40(\text{g/L})-\text{albumin}(\text{g/L}))$
CALDE	<input type="checkbox"/> Locally Derived Equation
CANEW	<input type="checkbox"/> New Equation - $Tca(\text{mmol/l})+0.01(30(\text{g/L})-\text{albumin}(\text{g/L}))$
CAORR	<input type="checkbox"/> Orrell Equation - $Tca(\text{mmol/l})+0.0176(34(\text{g/L})-\text{albumin}(\text{g/L}))$

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## CALCIUM, IONISED mmol/l

CODE	METHOD
CIISE	<input type="checkbox"/> Ion Selective Electrode - ISE
CIOF	<input type="checkbox"/> Optical Fluorescence
CISP	<input type="checkbox"/> Spectrophotometric

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

Please note that Ionised Calcium results should not be pH adjusted

## CHOLINESTERASE U/l

CODE	METHOD
CHEAG	<input type="checkbox"/> Agappe - DGKC/BUTYRYLTHIOCHOLINE
CHEAT	<input type="checkbox"/> Colorimetric - Acetylthiocholine
CHECBC	<input type="checkbox"/> Colorimetric - Benzoylcholine
CHECBT	<input type="checkbox"/> Colorimetric - Butyrylthiocholine
CHECBD	<input type="checkbox"/> Colorimetric - Butyrylthiochol. Dimension
CHEPT	<input type="checkbox"/> Colorimetric - Propionylthiocholine
CHEDC	<input type="checkbox"/> Ortho Vitros Microslide Systems

Vitros Slide Generation Number

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## CHLORIDE mmol/l

CODE	METHOD
CLAG	<input type="checkbox"/> Agappe - THIOCYANATE
CLCOL	<input type="checkbox"/> Colorimetric
CLCOU	<input type="checkbox"/> Coulometric
CLSED	<input type="checkbox"/> Ion Selective Electrode, direct
CLISE	<input type="checkbox"/> Ion Selective Electrode, indirect
CLTIT	<input type="checkbox"/> Titrimetric
CLOF	<input type="checkbox"/> Optical Fluorescence
CLDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
CLDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTE II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
CLOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## CHOLESTEROL mmol/l

CODE	METHOD
CHOAG	<input type="checkbox"/> Agappe - CHOD-PAP
CHOCD	<input type="checkbox"/> Cholesterol Dehydrogenase
CHOL	<input type="checkbox"/> Cholesterol Oxidase - Abell Kendall
CHOLI	<input type="checkbox"/> Cholesterol Oxidase - IDMS
CHODB	<input type="checkbox"/> Siemens/Dade Behring reagents
CHODC	<input type="checkbox"/> Ortho Vitros Microslide Systems
CHODT	<input type="checkbox"/> Vitros DT60/DT60 II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
CHOOD	<input type="checkbox"/> Other Dry Chemistry

Vitros Slide Generation Number

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## NON-HDL CHOLESTEROL (PILOT) mmol/l

CODE	METHOD
CHCAL	<input type="checkbox"/> Calculated

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## CREATINE KINASE, TOTAL U/I

CODE	METHOD
CKIAB	<input type="checkbox"/> Abbott CK-NAC (IFCC)
CKAG	<input type="checkbox"/> Agappe - IFCC/KINETIC
CKIBC	<input type="checkbox"/> Beckman CK-NAC (IFCC)
CKIBE	<input type="checkbox"/> Beckman CK-NAC (Extinction Coeff)
CKIFF	<input type="checkbox"/> CK-NAC (IFCC)
CKACT	<input type="checkbox"/> CK-NAC serum start (DGKC)
CKNAC	<input type="checkbox"/> CK-NAC substrate start (DGKC)
CKCP	<input type="checkbox"/> Creatine phosphate substrate start
CKTD	<input type="checkbox"/> Dithioerythritol (DTE)
CKDIF	<input type="checkbox"/> Dithioerythritol (DTE) IFCC correlated
CKTM	<input type="checkbox"/> Monothioglycerol
CKDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
CKDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
CKOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## COPPER µmol/l

CODE	METHOD
CUAA	<input type="checkbox"/> Atomic absorption
CUCOL	<input type="checkbox"/> Colorimetric
CUMS	<input type="checkbox"/> Mass Spectrometry
CUOES	<input type="checkbox"/> Optical Emission Spectroscopy

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## CREATININE µmol/l

CODE	METHOD
CRAGE	<input type="checkbox"/> Agappe - ENZYMATIC
CRAGJ	<input type="checkbox"/> Agappe - JAFFE'S KINETIC
CREAP	<input type="checkbox"/> Alkaline picrate without deproteinisation
CRDEP	<input type="checkbox"/> Alkaline picrate with deproteinisation
CRPAP	<input type="checkbox"/> Creatinine PAP method
CREUV	<input type="checkbox"/> Enzymatic UV method (340nm)
CRIDM	<input type="checkbox"/> IDMS traceable
CRERB	<input type="checkbox"/> Jaffe rate blanked
CREJC	<input type="checkbox"/> Jaffe rate blanked comp. for serum (-18µmol/l)
CRERC	<input type="checkbox"/> Jaffe rate blanked compensated (subtract -26µmol/l)
CRERD	<input type="checkbox"/> Jaffe rate blanked comp. (-33µmol/l)
CRECP	<input type="checkbox"/> Roche Creatinine Plus
CREDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
CREID	<input type="checkbox"/> Vitros, IDMS traceable
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
CREOD	<input type="checkbox"/> Other Dry Chemistry
CREAO	<input type="checkbox"/> Other enzymatic methods

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## EGFR (PILOT ) ml/min/1.73m<sup>2</sup>

CODE	METHOD
EGCK	<input type="checkbox"/> CKD-EPI Equation
EGMD	<input type="checkbox"/> MDRD Equation

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## D-3-HYDROXYBUTYRATE mmol/l

CODE	METHOD
D3HPB	<input type="checkbox"/> Phosphate buffer 20mmol pH7.0
D3HRD	<input type="checkbox"/> Tris buffer 100mmol pH8.5

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## FRUCTOSAMINE umol/l

CODE	METHOD
FRNBA	<input type="checkbox"/> Abbott NBT 6K94
FRNBC	<input type="checkbox"/> Catachem NBT
FRNBT	<input type="checkbox"/> Nitrotetrazolium blue colorimetric assay
FRRDE	<input type="checkbox"/> Enzymatic assay
FRREM	<input type="checkbox"/> Randox Enzyme Method

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## GAMMA GLUTAMYL TRANSFERASE, GGT U/l

CODE	METHOD
GGTAG	<input type="checkbox"/> Agappe - SZASZ KINETIC
GGTBS	<input type="checkbox"/> Beckman Szasz (Extinction Coeff.)
GGTCL	<input type="checkbox"/> DCL gamma glutamyl-3-carboxy-4-nitroanalide
GGTCN	<input type="checkbox"/> Gamma glutamyl-3-carboxy-4-nitroanalide
GGTIF	<input type="checkbox"/> Gamma glutamyl-3-carboxy-4-nitroanalide (IFCC)
GGTN	<input type="checkbox"/> Gamma glutamyl-4-nitroanilide
GGTDB	<input type="checkbox"/> Siemens Dimension
GGTDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
GGTDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
GGTOD	<input type="checkbox"/> Other Dry Chemistry <input type="checkbox"/>

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## GLUTAMATE DEHYDROGENASE U/l

CODE	METHOD
GLDRX	<input type="checkbox"/> Triethanolamine buffer
GLDDC	<input type="checkbox"/> Ortho Vitros Microslide Systems Vitros Slide Generation Number <input type="checkbox"/>

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## GLUCOSE mmol/l

CODE	METHOD
GLUAG	<input type="checkbox"/> Agappe - GOD-PAP
GLUDH	<input type="checkbox"/> Glucose dehydrogenase
GLUOX	<input type="checkbox"/> Glucose oxidase
GLBEK	<input type="checkbox"/> GOD/02-Beckman method
GLUHX	<input type="checkbox"/> Hexokinase
GLUOE	<input type="checkbox"/> Oxygen electrode
GLDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
GLUDT	<input type="checkbox"/> Vitros DT60/DT60 II Vitros Slide Generation Number <input type="text"/>
GLUOD	<input type="checkbox"/> Other Dry Chemistry <input type="text"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## HYDROXYBUTYRATE DEHYDROGENASE U/l

CODE	METHOD
HBDH2	<input type="checkbox"/> Oxobutyrate < 10 mmol/l
HBDH1	<input type="checkbox"/> Oxobutyrate > 10mmol/l
HBDDC	<input type="checkbox"/> Ortho Vitros Microslide Systems Vitros Slide Generation Number <input type="text"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## HDL-CHOLESTEROL mmol/l

CODE	METHOD
<b>DIRECT METHODS</b>	
HDAG	<input type="checkbox"/> Agappe - SELECTIVE INHIBITION
HDL12	<input type="checkbox"/> Direct HDL, Clearance method
HDL10	<input type="checkbox"/> Direct HDL, Immunoseparation
HDL11	<input type="checkbox"/> Direct HDL, PEGME
HDL9	<input type="checkbox"/> Direct HDL, PPD (Polymer/Polyanion detergent)
HDR4	<input type="checkbox"/> Direct HDL, Roche 4th gen.
HDLUL	<input type="checkbox"/> HDL, Ultra/Accl Selective Detergent
HDL0D	<input type="checkbox"/> Other Dry Chemistry
HDLDP	<input type="checkbox"/> Vitros dHDL, PTA/MgCl2 direct precip.
HDLMT	<input type="checkbox"/> Vitros 5.1 FS Microtip assay
HdVIM	<input type="checkbox"/> Vitros, Magnetic HDL Vitros Slide Generation Number <input type="text"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## IRON µmol/l

CODE	METHOD
FEAG	<input type="checkbox"/> Agappe - CHROMAZUROL
FE1	<input type="checkbox"/> Colorimetric with precipitation
FE2	<input type="checkbox"/> Colorimetric without precipitation
FEOES	<input type="checkbox"/> Optical Emission Spectroscopy
FEDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
FEDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II Vitros Slide Generation Number <input type="text"/>
FEOD	<input type="checkbox"/> Other Dry Chemistry <input type="text"/> Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## LACTATE mmol/l

CODE	METHOD
LACLO	<input type="checkbox"/> Colorimetric - Lactate oxidase
LACEE	<input type="checkbox"/> Enzymatic Electrode
LACISE	<input type="checkbox"/> Ion Selective Electrode
LACOD	<input type="checkbox"/> Other Dry Chemistry
LACUV	<input type="checkbox"/> UV - LDH
LACDC	<input type="checkbox"/> Ortho Vitros MicroSlide Systems
LACDT	<input type="checkbox"/> Vitros DT60/DT60 II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## LACTATE DEHYDROGENASE, LD U/l

CODE	METHOD
<b>LACTATE TO PYRUVATE METHODS</b>	
LDBC	<input type="checkbox"/> L to P Beckman (Extinction Coeff)
LDIF	<input type="checkbox"/> L to P, IFCC
LDDDB	<input type="checkbox"/> L to P Siemens/Dade, non-IFCC
LDLP	<input type="checkbox"/> Other Lactate to Pyruvate methods
<b>PYRUVATE TO LACTATE METHODS</b>	
LDAG	<input type="checkbox"/> Agappe - SCE
LDPL2	<input type="checkbox"/> P to L German methods
LDPL1	<input type="checkbox"/> P to L Scandinavian & Dutch methods
LDPL3	<input type="checkbox"/> P to L SFBC
LDPL4	<input type="checkbox"/> Pyruvate 1.4 mM - Beckman LD-P
<b>DRY CHEMISTRY</b>	
LDDCI	<input type="checkbox"/> Ortho Vitros IFCC Traceable
LDDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
LDDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
LDOD	<input type="checkbox"/> Other Dry Chemistry
	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## LDL-CHOLESTEROL (PILOT) mmol/l

CODE	METHOD
<b>DIRECT METHODS</b>	
LDL2	Selective detergent methods
LDL4	Other direct methods
LDL9	Sel.detergent Beckman OSR6x83
LDL10	Sel.detergent Beckman OSR6x96
<b>OTHER METHODS</b>	
LDL1	Calculated
LDL8	Heparin precipitation
LDL6	Other Precipitation methods
LDL7	Polyvinyl Sulphate Precipitation
LDL5	Zwitterionic Detergent
LDLOD	Other Dry Chemistry
	Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## LIPASE U/I

CODE	METHOD
LIPAG	<input type="checkbox"/> Agappe - METHYL RESORUFIN
LIP10	<input type="checkbox"/> Colorimetric, Randox
LIP6	<input type="checkbox"/> Colorimetric, Roche ACN(8)731 / ID 0-100
LIP11	<input type="checkbox"/> Colorimetric, Roche ACN(8)789 / ID 0-052
LIP5A	<input type="checkbox"/> Colorimetric, Siemens/Dade Dimension (LIPL kit)
LIP7	<input type="checkbox"/> Colorimetric, Sigma
LIP2	<input type="checkbox"/> Other Colorimetric
LIP9	<input type="checkbox"/> Randox, Turbidimetric with colipase
LIP8	<input type="checkbox"/> Roche, Turbidimetric with colipase
LIP1	<input type="checkbox"/> Other Turbidimetric with colipase
LIP4	<input type="checkbox"/> Turbidimetric without colipase
LIP3	<input type="checkbox"/> Titrimetric
LIPDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
LIPDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
LIPOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

RESULTS REPORTED AT 25°C  30°C  37°C

OTHER UNITS, SPECIFY

## LITHIUM mmol/l

CODE	METHOD
LIAA	<input type="checkbox"/> Atomic absorption
LIFP	<input type="checkbox"/> Flame photometry
LISE	<input type="checkbox"/> Ion selective electrode
LISP	<input type="checkbox"/> Spectrophotometry
LIDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
LIDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
LIOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## MAGNESIUM mmol/l

CODE	METHOD
MGAG	<input type="checkbox"/> Agappe - XYLIDYL BLUE
MGAZO	<input type="checkbox"/> Arsenazo
MGAA	<input type="checkbox"/> Atomic absorption
MGCA	<input type="checkbox"/> Calmagite
MGCP	<input type="checkbox"/> Chlorphosphonazo III
MGEN	<input type="checkbox"/> Enzymatic
MGMB	<input type="checkbox"/> Methylthymol blue
MGXY	<input type="checkbox"/> Xylidyl Blue
MAGDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
MGDT	<input type="checkbox"/> Vitros DT60/DT60 II
	<input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/>
MAGOD	<input type="checkbox"/> Other Dry Chemistry
MGM D	<input type="checkbox"/> Other magnesium dyes

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## NON-ESTERIFIED FATTY ACIDS (NEFA) mmol/l

CODE	METHOD
NFACSM	<input type="checkbox"/> ACS-ACOD-MEHA Method (inc. Maleimide)
NFCOL	<input type="checkbox"/> Colorimetric Endpoint
NFGC	<input type="checkbox"/> GC/MS
NFHPL	<input type="checkbox"/> HPLC
NFMIC	<input type="checkbox"/> Micro Method - FA CL 50

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY



# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## OSMOLALITY mOsm/Kg

CODE	METHOD
OSC	<input type="checkbox"/> Calculated
OSFPD	<input type="checkbox"/> Freezing point depression
OSVP	<input type="checkbox"/> Vapour pressure

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## PHOSPHATE, INORGANIC mmol/l

CODE	METHOD
PHAG	<input type="checkbox"/> Agappe - PHOSPHOMOLYBDATE
PHBK	<input type="checkbox"/> Beckman PHOSm kit (365nm)
PHENZ	<input type="checkbox"/> Phosphomolybdate enzymatic
PHMD	<input type="checkbox"/> Phosphomolybdate UV
PHDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
PHDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTSC II <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
PHOD	<input type="checkbox"/> Other Dry Chemistry
PHOP	<input type="checkbox"/> Other methods, no protein ppt, please specify
PHOPT	<input type="checkbox"/> Other methods, with protein ppt, please specify

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## POTASSIUM mmol/l

CODE	METHOD
KAG	<input type="checkbox"/> Agappe - ISE DIRECT
KCHR	<input type="checkbox"/> Chromolyte
KCOL	<input type="checkbox"/> Colorimetric
KEN	<input type="checkbox"/> Enzymatic
KFP	<input type="checkbox"/> Flame photometry
KISE	<input type="checkbox"/> Ion Selective Electrode method - direct
KISE1	<input type="checkbox"/> Ion Selective Electrode method - indirect
KOF	<input type="checkbox"/> Optical Fluorescence
KTUR	<input type="checkbox"/> Turbidimetric
KDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
KDT	<input type="checkbox"/> Vitros DT60/DT60 II/DTE II <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
KOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## PROTEIN, TOTAL g/l

CODE	METHOD
PRAG	<input type="checkbox"/> Agappe - BIURET
PRCX	<input type="checkbox"/> Biuret reaction, CX4/CX5/CX7
PREP	<input type="checkbox"/> Biuret reaction, end point
PRKE	<input type="checkbox"/> Biuret reaction, kinetic
PRRF	<input type="checkbox"/> Refractometry
PRDC	<input type="checkbox"/> Ortho Vitros Microslide Systems
PRDT	<input type="checkbox"/> Vitros DT60/DT60 II <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/>
PROD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY

## METHOD QUESTIONNAIRE

### PSA, TOTAL µg/l

CODE	METHOD
PSA31	<input type="checkbox"/> Abbott Architect/ Alinity
PSA18	<input type="checkbox"/> Abbott AxSYM - monoclonal
PSA15	<input type="checkbox"/> Abbott AxSYM - polyclonal
PSA21	<input type="checkbox"/> Abbott IMx - monoclonal
PSA1	<input type="checkbox"/> Abbott IMx - polyclonal
PSA53	<input type="checkbox"/> AMP ELISA
PSA26	<input type="checkbox"/> Beckman Access standardised to Hybritech
PSA23	<input type="checkbox"/> Beckman Access standardised to WHO IRP96/670
PSA36	<input type="checkbox"/> Beckman Coulter AU 3000i
PSA48	<input type="checkbox"/> Beckman DXI standardised to Hybritech
PSA49	<input type="checkbox"/> Beckman DXI standardised to WHO IRP96/670
PSA20	<input type="checkbox"/> bioMerieux VIDAS TPSA
PSA46	<input type="checkbox"/> Boditech Med Inc i-CHROMA
PSA2	<input type="checkbox"/> CIS ELISA 2
PSA38	<input type="checkbox"/> DSI ELISA
PSA40	<input type="checkbox"/> Diasorin Liaison
PSA53	<input type="checkbox"/> Diasorin Liaison XL
PSA41	<input type="checkbox"/> DRG ELISA
PSA37	<input type="checkbox"/> ELISA
PSFIN	<input type="checkbox"/> Fineware
PSA43	<input type="checkbox"/> Fujirebio Lumipulse G Series
PSA39	<input type="checkbox"/> Monobind Inc ELISA/CLIA
PSA32	<input type="checkbox"/> Ortho Vitros 3600 / 5600 / ECI
PSA44	<input type="checkbox"/> Ortho Vitros 3600 / 5600 / ECI PSA II
PSA8	<input type="checkbox"/> Perkin Elmer DELFIA
PSA47	<input type="checkbox"/> Radim Alisei
PSA34	<input type="checkbox"/> Roche Cobas 4000 / e411
PSA6	<input type="checkbox"/> Roche Cobas Core EIA
PSA35	<input type="checkbox"/> Roche Cobas e601/602
PSA55	<input type="checkbox"/> Roche Cobas e801
PSA19	<input type="checkbox"/> Roche Elecsys, Modular E170
PSA16	<input type="checkbox"/> Roche Enzymun
PSA7	<input type="checkbox"/> Serono MAIA Clone
PSA42	<input type="checkbox"/> SNIBE Maglumi analysers
PSA17	<input type="checkbox"/> Siemens/Bayer ACS 180 - PSA II kit
PSA27	<input type="checkbox"/> Siemens/Bayer ACS180 (equimolar)
PSA28	<input type="checkbox"/> Siemens/Bayer ADVIA Centaur (equimolar)
PSA14	<input type="checkbox"/> Siemens/Bayer Immuno 1
PSA24C	<input type="checkbox"/> Siemens Centaur CP
PSA24	<input type="checkbox"/> Siemens Centaur XP/XPT/Classic
PSA22	<input type="checkbox"/> Siemens/Dade Behring Opus
PSA33	<input type="checkbox"/> Siemens/Dade, Dimension
PSA29	<input type="checkbox"/> Siemens Immulite 2000/2500 Total PSA
PSA30	<input type="checkbox"/> Siemens Immulite 2000/2500 3rd Generation
PSA13	<input type="checkbox"/> Siemens Immulite 1000 Total PSA
PSA25	<input type="checkbox"/> Siemens Immulite 1000 3rd Generation
PSA3	<input type="checkbox"/> Siemens/DPC IRMA count
PSA50	<input type="checkbox"/> Stratec Gemini
PSA56	<input type="checkbox"/> Sysmex HISCL Series
PSA12	<input type="checkbox"/> Tosoh AIA Series
PSA56	<input type="checkbox"/> Tosoh AIA-CL Series
PSVLE	<input type="checkbox"/> Veda.Lab Easy Reader
PSA45	<input type="checkbox"/> Xema Medical EIA

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

### SODIUM mmol/l

CODE	METHOD
NAAG	<input type="checkbox"/> Agappe - ISE DIRECT
NACH	<input type="checkbox"/> Chromolyte
NACOL	<input type="checkbox"/> Colorimetric
NAEN	<input type="checkbox"/> Enzymatic
NAFP	<input type="checkbox"/> Flame photometry
NAISE	<input type="checkbox"/> Ion Selective Electrode method - direct
NISE1	<input type="checkbox"/> Ion Selective Electrode method - indirect
NAOES	<input type="checkbox"/> Optical Emission Spectroscopy
NAOF	<input type="checkbox"/> Optical Fluorescence
NADC	<input type="checkbox"/> Ortho Vitros Microslide Systems
NADT	<input type="checkbox"/> Vitros DT60/DT60 II/DTE II <input type="text"/>
	<input type="checkbox"/> Vitros Slide Generation Number
NAOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## FREE TRIIODOTHYRONINE (FREE T3) pmol/l

CODE	METHOD
F3ARC	Abbott Architect/ Alinity 2 point cal
F3AR6	Abbott Architect/ Alinity 6 point cal
F3ABX	Abbott, AxSym
F3ABB	Abbott, IMx
F3AMP	AMP ELISA
F3SAN	Beckman, Access
F3DXI	Beckman, Dxl 600/800
F3BCI	Biocheck Inc ELISA
F3BIV	Biomerieux, VIDAS
F3VIA	Biomerieux, VIDIA
F3CBE	Calbiotech ELISA
F3CII	CIS, IRMA
F3BYK	Diasorin (RIA)
F3LIA	Diasorin Liaison
F3LIX	Diasorin Liaison XL
F3ELI	ELISA
F3FJL	Fujirebio Lumipulse G Series
F3HP	HPLC
F3MOE	Monobind Inc ELISA/CLIA
F3NTE	NovaTec EIA
F3VEC	Ortho Vitros, 3600/5600/ECi/XT 7600
F3DEL	Perkin Elmer DELFIA
F3RRD	Radim RAD 120
F3EVE	Randox Evolution
F3RCE	Roche Cobas 4000 / e411
F3ROC	Roche, Cobas Core
F3C6	Roche Cobas e601/ 602
F3E8	Roche Cobas e801
F3EYS	Roche, Elecsys
F3BOE	Roche, Enzymun
F3RME	Roche, Modular E170
F3SAI	Siemens Atellica IM
F3CC	Siemens/Bayer, ACS 180
F3BAY	Siemens/Bayer, Immuno I
F3CCP	Siemens Centaur CP
F3CEN	Siemens Centaur XP/XPT/Classic
F3DDE	Siemens Dimension Exl LOCI
F3DDV	Siemens Dimension Vista LOCI
F3DPC	Siemens/DPC, Coat-a-Count
F3DPI	Siemens/DPC, Immulite 1000
F3DP2	Siemens/DPC, Immulite 2000/2500
F3SNM	SNIBE Maglumi Analysers
F3GEM	Stratec Gemini
F3SHI	Sysmex HISCL Series
F3TOS	Tosoh AIA Series
F3TOC	Tosoh AIA-CL Series

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

**RQ9128 - MONTHLY CLINICAL CHEMISTRY  
METHOD QUESTIONNAIRE**

**TRIIODOTHYRONINE (TOTAL T3 ) nmol/l**

CODE	METHOD
T3ARC	Abbott, Architect/ Alinity
T3ABX	Abbott, Axsym
T3ABB	Abbott, IMx
T3SAN	Beckman, Access/LXi725
T3DXI	Beckman, Dxl 600/800
T3BIV	bioMerieux, VIDAS
T3BIE	Bios T3 ELISA
T3BMI	Boditech Med i-Chroma
T3CIR	CIS, RIA coated tube
T3BYK	Diasorin (RIA)
T3LIA	Diasorin Liaison
T3LIX	Diasorin Liaison XL
T3DIA	DiaSource RIA
T3DSL	DSL, RIA
T3ELI	ELISA
T3FIN	Fineware
T3FJL	Fujirebio Lumipulse G Series
T3HP	HPLC
T3IMI	Immunotech, IRMA
T3IZO	Izotop RIA
T3MC2	Mindray CL-Series
T3MOE	Monobind Inc ELISA/CLIA
T3MP	MP Biomedicals, RIA
T3VEC	Ortho Vitros, 3600/5600/ECI/XT 7600
T3DEL	Perkin Elmer DELFIA
T3PEW	Perkin Elmer Wizard RIA
T3RCE	Roche Cobas 4000 / e411
T3ROC	Roche, Cobas Core
T3C6	Roche Cobas e601/ 602
T3E8	Roche Cobas e801
T3EYS	Roche, Elecsys
T3BOE	Roche, Enzymun
T3RME	Roche, Modular E170
T3SAI	Siemens Atellica IM
T3CC	Siemens/Bayer, ACS 180
T3BAY	Siemens/Bayer, Immuno I
T3CCP	Siemens Centaur CP
T3CEN	Siemens Centaur XP/XPT/Classic
T3DDV	Siemens/Dade Dimension Vista
T3DPC	Siemens/DPC, Coat-a-count
T3DPI	Siemens/DPC, Immulite 1000
T3DP2	Siemens/DPC, Immulite 2000/2500
T3SNM	SNIBE Maglumi Analysers
T3GEM	Stratec Gemini
T3TOS	Tosoh AIA Series
T3VLE	Veda.Lab Easy Reader

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## FREE THYROXINE (FREE T4) pmol/l

CODE	METHOD
F4ARC	Abbott, Architect/ Alinity
F4ABX	Abbott, AxSym
F4ABB	Abbott, IMx
F4AMP	AMP ELISA
F4SAN	Beckman, Access/LXi725
F4DXI	Beckman, Dxl 600/800
F4BCI	Biocheck Inc ELISA
F4BIVN	Biomerieux, VIDAS-FT4N Kit
F4VIA	Biomerieux, VIDIA
F4BYK	DiaSorin (RIA)
F4LIA	Diasorin Liaison
F4LIX	Diasorin Liaison XL
F4DIA	DiaSource RIA
F4ELI	ELISA
F4FJL	Fujirebio Lumipulse G Series
F4GB	General Biologicals ELISA
F4HP	HPLC
F4IMI	Immunotech, IRMA
F4MC2	Mindray CL-Series
F4MOE	Monobind Inc ELISA/CLIA
F4NTE	NovaTec EIA
F4VEC	Ortho Vitros, 3600/5600/ECI/XT 7600
F4DEL	Perkin Elmer DELFIA
F4RRD	Radim RAD 120
F4EVE	Randox Evolution
F4RCE	Roche Cobas 4000 / e411
F4ROC	Roche Cobas Core
F4C6	Roche Cobas e601/ 602
F4E8	Roche Cobas e801
F4EYS	Roche, Elecsys
F4RME	Roche, Modular E170
F4SAI	Siemens Atellica IM
F4CC	Siemens/Bayer, ACS 180
F4IMS	Siemens/Bayer, ADVIA IMS 800i
F4BAY	Siemens/Bayer, Immuno I
F4CCP	Siemens Centaur CP
F4CEN	Siemens Centaur XP/XPT/Classic
F4DD	Siemens/Dade Dimension
F4DDE	Siemens Dimension Exl LOCI
F4DDV	Siemens Dimension Vista LOCI
F4DPC	Siemens/DPC, Coat-a-Count
F4DPI	Siemens/DPC, Immulite 1000
F4DP2	Siemens/DPC, Immulite 2000/2500
F4SNM	SNIBE Maglumi Analysers
F4GEM	Stratec Gemini
F4SHI	Sysmex HISCL Series
F4TOS	Tosoh AIA Series
F4TOC	Tosoh AIA-CL Series

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## THYROXINE (TOTAL T4) nmol/l

CODE	METHOD
T4ARC	<input type="checkbox"/> Abbott, Architect/ Alinity
T4ABX	<input type="checkbox"/> Abbott, AxSym
T4ABB	<input type="checkbox"/> Abbott, IMx/FLx/TDx
T4DXI	<input type="checkbox"/> Beckman Dxl 600/800
T4SAN	<input type="checkbox"/> Beckman, Access/LXi725
T4BCI	<input type="checkbox"/> Biocheck Inc ELISA
T4BIV	<input type="checkbox"/> Biomerieux, VIDAS
T4BIE	<input type="checkbox"/> Bios T4 ELISA
T4BMI	<input type="checkbox"/> Boditech Med i-Chroma
T4BRR	<input type="checkbox"/> Brahms RIA
T4CBE	<input type="checkbox"/> Calbiotech ELISA
T4CIR	<input type="checkbox"/> CIS, RIA coated tube
T4LIA	<input type="checkbox"/> Diasorin Liaison
T4LIX	<input type="checkbox"/> Diasorin Liaison XL
T4DIA	<input type="checkbox"/> DiaSource RIA
T4DSL	<input type="checkbox"/> DSL, RIA
T4ELI	<input type="checkbox"/> ELISA
T4FIN	<input type="checkbox"/> Fineware
T4FJL	<input type="checkbox"/> Fujirebio Lumipulse G Series
T4HP	<input type="checkbox"/> HPLC
T4ICO	<input type="checkbox"/> Idexx Catalyst One/Dx
T4IMI	<input type="checkbox"/> Immunotech RIA
T4IZO	<input type="checkbox"/> Izotop RIA
T4MIE	<input type="checkbox"/> Microgenics DRI assay
T4MC2	<input type="checkbox"/> Mindray CL-Series
T4MOE	<input type="checkbox"/> Monobind Inc ELISA/CLIA
T4MP	<input type="checkbox"/> MP Biomedicals, RIA
T4VEC	<input type="checkbox"/> Ortho Vitros 3600/5600/ECi/XT 7600
T4DEL	<input type="checkbox"/> Perkin Elmer DELFIA
T4PEW	<input type="checkbox"/> Perkin Elmer Wizard RIA
T4RCE	<input type="checkbox"/> Roche Cobas 4000 / e411
T4ROC	<input type="checkbox"/> Roche Cobas Core
T4C6	<input type="checkbox"/> Roche Cobas e601/ 602
T4E8	<input type="checkbox"/> Roche Cobas e801
T4EYS	<input type="checkbox"/> Roche Elecsys
T4RME	<input type="checkbox"/> Roche Modular E170
T4SAI	<input type="checkbox"/> Siemens Atellica IM
T4CC	<input type="checkbox"/> Siemens/Bayer, ACS 180
T4BAY	<input type="checkbox"/> Siemens/Bayer, Immuno I
T4CCP	<input type="checkbox"/> Siemens Centaur CP
T4CEN	<input type="checkbox"/> Siemens Centaur XP/XPT/Classic
T4DDV	<input type="checkbox"/> Siemens/Dade Dimension Vista
T4DPC	<input type="checkbox"/> Siemens/DPC, Coat-a-Count
T4DPI	<input type="checkbox"/> Siemens/DPC, Immulite 1000
T4DP2	<input type="checkbox"/> Siemens/DPC, Immulite 2000/2500
T4SNM	<input type="checkbox"/> SNIBE Maglumi Analysers
T4GEM	<input type="checkbox"/> Stratec Gemini
T4TS	<input type="checkbox"/> Thermo Scientific - DRI
T4TOS	<input type="checkbox"/> Tosoh AIA Series
T4VLE	<input type="checkbox"/> Veda.Lab Easy Reader

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## TOTAL IRON BINDING CAPACITY $\mu\text{mol/l}$

CODE	METHOD
TIBAG	<input type="checkbox"/> Agappe - PRECIPITATION
TICAT	<input type="checkbox"/> Calculated from Transferrin
TIBCD	<input type="checkbox"/> Direct Colorimetric
UIBC	<input type="checkbox"/> FE+UIBC(saturation with fixed amount of iron)
TIBC	<input type="checkbox"/> Removal of excess free iron
IBDCD	<input type="checkbox"/> Ortho Vitros Microslide Systems <input type="text"/>
	<input type="checkbox"/> Vitros Slide Generation Number
IBCOD	<input type="checkbox"/> Other Dry Chemistry

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY



# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

## THYROID STIMULATING HORMONE (TSH) uU/ml

CODE	METHOD
TSARC	<input type="checkbox"/> Abbott Architect/ Alinity
TSAX3	<input type="checkbox"/> Abbott AxSym 3rd generation
TSABX	<input type="checkbox"/> Abbott AxSym Ultrasensitive hTSH II
TSABB	<input type="checkbox"/> Abbott IMx Ultrasensitive hTSH II
TSAEC	<input type="checkbox"/> Adaltis Eclectica
TSAIR	<input type="checkbox"/> Adaltis IRMA
TSAMP	<input type="checkbox"/> AMP ELISA
TSSAF	<input type="checkbox"/> Beckman Access / LXI725 Fast TSH 2nd gen
TSSAN	<input type="checkbox"/> Beckman Access / LXI725 hyper TSH 3rd gen
TSDX3	<input type="checkbox"/> Beckman DXI 600/800 / Access 2 (3rd IS)
TSDXI	<input type="checkbox"/> Beckman DXI 600/800 1st generation
TSDXF	<input type="checkbox"/> Beckman DXI 600/800 fast TSH
TSDXH	<input type="checkbox"/> Beckman DXI 600/800 Hyper TSH
TSBCI	<input type="checkbox"/> Biocheck Inc ELISA
TSVIA	<input type="checkbox"/> Biomerieux VIDIA
TSBV3	<input type="checkbox"/> Biomerieux VIDAS TSH3 (ultrasensitive)
TSBIV	<input type="checkbox"/> Biomerieux VIDAS TSH
TSBIE	<input type="checkbox"/> Bios TSH ELISA
TSBMI	<input type="checkbox"/> Boditech Med Inc i-Chroma
TSDME	<input type="checkbox"/> DiaMetra ELISA
TSLIA	<input type="checkbox"/> Diasorin Liaison
TSLIX	<input type="checkbox"/> Diasorin Liaison XL
TSDIR	<input type="checkbox"/> DiaSource IRMA
TSDRG	<input type="checkbox"/> DRG ELISA
TSDSE	<input type="checkbox"/> DSI ELISA
TSELI	<input type="checkbox"/> ELISA
TSFIN	<input type="checkbox"/> Fineware
TSFJL	<input type="checkbox"/> Fujirebio Lumipulse G Series
TSGB	<input type="checkbox"/> General Biologicals ELISA
TSICT	<input type="checkbox"/> Iason coaTube TSH
TSIMI	<input type="checkbox"/> Immunotech IRMA
TSMOE	<input type="checkbox"/> Monobind Inc ELISA/CLIA
TSMPR	<input type="checkbox"/> MP Biomedicals RIA
TSVEC	<input type="checkbox"/> Ortho Vitros 3600/5600/ECi/XT 7600
TSDEL	<input type="checkbox"/> Perkin Elmer DELFIA
TSDEU	<input type="checkbox"/> Perkin Elmer DELFIA Ultra
TSRRD	<input type="checkbox"/> Radim RAD 120
TSRCE	<input type="checkbox"/> Roche Cobas 4000 / e411
TSROC	<input type="checkbox"/> Roche Cobas Core
TSC6	<input type="checkbox"/> Roche Cobas e601/ 602
TSE8	<input type="checkbox"/> Roche Cobas e801
TSEYS	<input type="checkbox"/> Roche Elecsys
TSRME	<input type="checkbox"/> Roche Modular E170
TSSAI	<input type="checkbox"/> Siemens Atellica IM
TSCC	<input type="checkbox"/> Siemens/Bayer ACS 180
TSCC3	<input type="checkbox"/> Siemens/Bayer ACS 180, 3rd generation
TSCCP	<input type="checkbox"/> Siemens Centaur CP
TSCP3	<input type="checkbox"/> Siemens Centaur CP 3rd Generation
TSCCU	<input type="checkbox"/> Siemens Centaur CP TSH3-Ultra
TSCEN	<input type="checkbox"/> Siemens Centaur XP/XPT/Classic
TSCN3	<input type="checkbox"/> Siemens Centaur XP/XPT/Classic 3rd Generation
TSCNU	<input type="checkbox"/> Siemens Centaur XP/XPT/Classic TSH3-Ultra
TSDD	<input type="checkbox"/> Siemens/Dade Dimension
TSDDDE	<input type="checkbox"/> Siemens Dimension Exl LOCI
TSDDV	<input type="checkbox"/> Siemens Dimension Vista LOCI
TSDP1	<input type="checkbox"/> Siemens/DPC Immulite 1000
TSDP2	<input type="checkbox"/> Siemens/DPC Immulite 2000/2500
TSSNM	<input type="checkbox"/> SNIBE Maglumi Analysers
TSSHI	<input type="checkbox"/> Sysmex HISCL Series
TSTOS	<input type="checkbox"/> Tosoh AIA Series
TSTOC	<input type="checkbox"/> Tosoh AIA-CL Series
TSVLE	<input type="checkbox"/> Veda.Lab Easy Reader

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

## UNSATURATED IRON-BINDING CAPACITY (UIBC) µmol/l

CODE	METHOD
UIBCC	<input type="checkbox"/> Calculated
UIBCD	<input type="checkbox"/> Direct Colorimetric
UIBCDC	<input type="checkbox"/> Ortho Vitros Microslide Systems <input type="text"/>
	<input type="checkbox"/> Vitros Slide Generation Number

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY



# RQ9128 - MONTHLY CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

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## UREA mmol/l

- | CODE  | METHOD  |
|-------|---|
| URAGB | <input type="checkbox"/> Agappe - BERTHELOT                           |
| URAGU | <input type="checkbox"/> Agappe - UREASE GLDH                         |
| URAC  | <input type="checkbox"/> Beckman-Conductivity                         |
| URDM  | <input type="checkbox"/> Diacetyl monoxime                            |
| URPHT | <input type="checkbox"/> O-Phthalaldehyde                             |
| URUEP | <input type="checkbox"/> Urease, end point                            |
| URURH | <input type="checkbox"/> Urease, hypochlorite                         |
| URUK  | <input type="checkbox"/> Urease, kinetic                              |
| URDC  | <input type="checkbox"/> Ortho Vitros Microslide Systems              |
| URDT  | <input type="checkbox"/> Vitros DT60/DT60 II <input type="checkbox"/> |
|       | <input type="checkbox"/> Vitros Slide Generation Number               |
| UROD  | <input type="checkbox"/> Other Dry Chemistry                          |
- Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

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## URIC ACID mmol/l

- | CODE  | METHOD   |
|-------|--|
| UAAGP | <input type="checkbox"/> Agappe - URICASE - PAP                            |
| UAAGT | <input type="checkbox"/> Agappe - URICASE - TOPS                           |
| URED  | <input type="checkbox"/> Reduction methods                                 |
| URSP  | <input type="checkbox"/> Uricase @ 293nm                                   |
| URPER | <input type="checkbox"/> Uricase peroxidase without ascorbate oxidase      |
| URPA2 | <input type="checkbox"/> Uricase peroxidase with ascorbate oxidase @ 546nm |
| URPAS | <input type="checkbox"/> Uricase peroxidase with ascorbate oxidase         |
| URCAT | <input type="checkbox"/> Uricase - catalase 340nm.                         |
| UACDC | <input type="checkbox"/> Ortho Vitros Microslide Systems                   |
| UADT  | <input type="checkbox"/> Vitros DT60/DT60 II <input type="checkbox"/>      |
|       | <input type="checkbox"/> Vitros Slide Generation Number                    |
| UACOD | <input type="checkbox"/> Other Dry Chemistry                               |
- Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

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## ZINC µmol/l

- | CODE | METHOD   |
|------|--|
| ZAA  | <input type="checkbox"/> Atomic absorption             |
| ZCOL | <input type="checkbox"/> Colorimetric with deprot.     |
| ZNPC | <input type="checkbox"/> Colorimetric without deprot.  |
| ZNFP | <input type="checkbox"/> Flame Photometry              |
| ZNMS | <input type="checkbox"/> Mass Spectrometry             |
| ZOES | <input type="checkbox"/> Optical Emission Spectroscopy |
- Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY