

RIQAS

RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME

**METHOD QUESTIONNAIRE
GENERAL CLINICAL
CHEMISTRY PROGRAMME
RQ9112**

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.

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). 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. 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:

- a) it is the product you ordered
- b) the correct number of samples are present as indicated on the IFU
- c) 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.

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 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.

Please contact RIQAS at

Tel: +44 (0) 28 9445 4399

Fax: +44 (0) 28 9445 4398

E-Mail mail@riqas.com

RIQAS Scheme Co-ordinator: Stephen Doherty

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



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RQ9112 - GENERAL 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 | <input type="text"/> |
| REAGENT CODE | <input type="text"/> |
| RESULTS REPORTED AT | 25°C <input type="checkbox"/> 30°C <input type="checkbox"/> 37°C <input type="checkbox"/> |
| OTHER UNITS, SPECIFY | <input type="text"/> |

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 | <input type="text"/> |
| REAGENT CODE | <input type="text"/> |
| RESULTS REPORTED AT | 25°C <input type="checkbox"/> 30°C <input type="checkbox"/> 37°C <input type="checkbox"/> |
| OTHER UNITS, SPECIFY | <input type="text"/> |

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 | <input type="text"/> |
| REAGENT CODE | <input type="text"/> |
| OTHER UNITS, SPECIFY | <input type="text"/> |

RQ9112 - GENERAL 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"/> Vitros Slide Generation Number <input type="text"/> |
| 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 |
| ALTDT | <input type="checkbox"/> Vitros DT60/DT60 II/DTSC II |
| | <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> |
| 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 |
| | <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

RQ9112 - GENERAL 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
 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

RQ9112 - GENERAL 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"/> |
| 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"/> |
| 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

RQ9112 - GENERAL 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

RQ9112 - GENERAL CLINICAL CHEMISTRY

METHOD QUESTIONNAIRE

BILIRUBIN, TOTAL µmol/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"/> <input type="text"/> |
| BIOD | <input type="checkbox"/> Other Dry Chemistry |

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

CALCIUM 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"/> <input type="text"/> |
| CAOD | <input type="checkbox"/> Other Dry Chemistry |

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

CALCIUM, ADJUSTED (PILOT) mmol/l

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

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

RQ9112 - GENERAL 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

RQ9112 - GENERAL 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 |
| CKOD | <input type="checkbox"/> Vitros Slide Generation Number <input type="checkbox"/> <input type="checkbox"/> |
| | <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="checkbox"/> <input type="checkbox"/> |
| 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

RQ9112 - GENERAL CLINICAL CHEMISTRY METHOD QUESTIONNAIRE

EGFR (PILOT) ml/min/1.73m²

| 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

RQ9112 - GENERAL 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 |
| | <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/> |
| GLUOD | <input type="checkbox"/> Other Dry Chemistry |
- 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 |
| | <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <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 |
|-----------------------|---|
| DIRECT METHODS | |
| 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/Accea 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 |
| | <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

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 |
| | <input type="checkbox"/> Vitros Slide Generation Number <input type="text"/> <input type="text"/> |
| FEOD | <input type="checkbox"/> Other Dry Chemistry |
- Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

RQ9112 - GENERAL 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 |
|------------------------------------|---|
| LACTATE TO PYRUVATE METHODS | |
| 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 |
| PYRUVATE TO LACTATE METHODS | |
| 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 |
| DRY CHEMISTRY | |
| 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 |
|-----------------------|---|
| DIRECT METHODS | |
| LDL2 | Selective detergent methods |
| LDL4 | Other direct methods |
| LDL9 | Sel.detergent Beckman OSR6x83 |
| LDL10 | Sel.detergent Beckman OSR6x96 |
| OTHER METHODS | |
| LDL1 | Calculated |
| LDL8 | Heparin precipitation |
| LDL6 | Other Precipitation methods |
| LDL7 | Polyvinyl Sulphate Precipitation |
| LDL5 | Zwitterionic Detergent |
| LDL0D | Other Dry Chemistry |
| | Other methods, please specify on enrolment document |

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

RQ9112 - GENERAL 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

RQ9112 - GENERAL CLINICAL CHEMISTRY

METHOD QUESTIONNAIRE

OSMOLALITY mOsm/Kg

| CODE | METHOD |
|-------|---------------------------|
| OSC | Calculated |
| OSFPD | Freezing point depression |
| OSVP | Vapour pressure |

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

PHOSPHATE, INORGANIC mmol/l

| CODE | METHOD |
|-------|---|
| PHAG | Agappe - PHOSPHOMOLYBDATE |
| PHBK | Beckman PHOSm kit (365nm) |
| PHENZ | Phosphomolybdate enzymatic |
| PHMD | Phosphomolybdate UV |
| PHDC | Ortho Vitros Microslide Systems |
| PHDT | Vitros DT60/DT60 II/DTSC II |
| | Vitros Slide Generation Number <input type="text"/> |
| PHOD | Other Dry Chemistry |
| PHOP | Other methods, no protein ppt, please specify |
| PHOPT | 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 | Agappe - ISE DIRECT |
| KCHR | Chromolyte |
| KCOL | Colorimetric |
| KEN | Enzymatic |
| KFP | Flame photometry |
| KISE | Ion Selective Electrode method - direct |
| KISE1 | Ion Selective Electrode method - indirect |
| KOF | Optical Fluorescence |
| KTUR | Turbidimetric |
| KDC | Ortho Vitros Microslide Systems |
| KDT | Vitros DT60/DT60 II/DTE II |
| | Vitros Slide Generation Number <input type="text"/> |
| KOD | Other Dry Chemistry |

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

PROTEIN, TOTAL g/l

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

Other methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

RQ9112 - GENERAL 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

RQ9112 - GENERAL 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 |
| F3DP1 | 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

**RQ9112 - GENERAL 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

RQ9112 - GENERAL 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

RQ9112 - GENERAL 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 µmol/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 |
| IBCD | <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

RQ9112 - GENERAL 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

RQ9112 - GENERAL CLINICAL CHEMISTRY

METHOD QUESTIONNAIRE

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

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

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