REGISTRATION INSTRUCTIONS & RIQAS POLICIES

CRITERIA FOR PARTICIPATION

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

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/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/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.

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. Please quote this number on all correspondence with RIQAS.

B. GROUP REPORTS AND MULTIPLE REGISTRATIONS

Assessment of the same parameters on multiple systems - It is possible to enrol multiple instruments within your laboratory, up to five instruments per programme (volume permitting) can be added at no extra cost for comparative performance assessment. 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. 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.

D. 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.

E. 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.

F. 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.

G. 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, SDPA and z-score. 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.

H. 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.

I. 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.

J. 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 3 working days. 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.

K. ADDITION OF PARAMETERS / ASSAY DETAILS

Adding Paramters 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 3 working days.

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

PDF reports will be emailed within 72 hours of the FINAL DATE 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 Cerificate 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 the RIQAS Brochure on www.randox.com/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 & UK DATA PROTECTION ACT 2018

Randox Laboratories Ltd. complies with GDPR and the UK Data Protection Act 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

E-Mail mail@riqas.com

RIQAS Scheme Co-ordinator: Sarah Fleck

RANDOX LABORATORIES LTD., 55 Diamond Road, Crumlin, County Antrim, BT29 4QY, United Kingdom

This programme is accredited by UKAS TO ISO/IEC 17043:2010 via Fixed Scope

UKAS
PROFICIENCY
TESTING

0010

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

CK, Total U/l

CODE		METHOD			
CKTD	☐	Dithioerythritol (DTE)	CKTDC	☐	Ortho Vitros MicroSlide Systems (Use instrument 453)
CKDIF	☐	Dithioerythritol (DTE) IFCC correlated	CKTDT	☐	Vitros DT60/DT60 II/DTSC II
CKTM	☐	Monothioglycerol			Vitros Slide Generation Number ☐☐
CKTIF	☐	CK-NAC (IFCC)			
CKTSE	☐	CK-NAC serum start			
CKTSU	☐	CK-NAC substrate start			

Other methods, please specify on enrolment document

INSTRUMENT CODE ☐

REAGENT CODE ☐

RESULTS REPORTED AT   25°C ☐   30°C ☐   37°C ☐

OTHER UNITS, SPECIFY ☐

CK-MB, Activity U/l

CODE		METHOD			
CKMIF	☐	Immunoinhibition (IFCC)	CKMDC	☐	Ortho Vitros MicroSlide Systems (Use instrument 453)
CKMSE	☐	Immunoinhibition, serum start	CKMDT	☐	Vitros DT60/DT60 II/DTSC II
CKMSU	☐	Immunoinhibition, substrate start			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 ☐

CK-MB, mass, ug/l

CODE		METHOD	CODE		METHOD
CKAAI	☐	Abbott Alinity i	CKEVE	☐	Randox Evolution
CKARC	☐	Abbott Architect	CKRCR	☐	Roche Cardiac Reader
CKABX	☐	Abbott Axsym	CKEY8	☐	Roche Cobas e402/e801
CKABB	☐	Abbott Imx	CKRH	☐	Roche Cobas h232
CKAIS	☐	Abbott i-STAT	CKEYS	☐	Roche Elecsys E170, Cobas 6000, e411
CKAER	☐	Abbott, Aeroset	CKHIT	☐	Hitachi
CKACE	☐	Alfa Wasserman ACE/spACE	CKRIM	☐	Randox Imola
CKALO	☐	Autobio CLIA	CKINT	☐	Roche, Integra 400 / 800
CKSAN	☐	Beckman Coulter Access	CKRAM	☐	Response Biomedical Ramp
CKDXI	☐	Beckman Coulter Dxl 600 / 800	CKSL	☐	Samsung Labgeo IB10
CKBHM	☐	Beijing Hotgen MQ60	CKSDC	☐	SD Biosensor CKMB FIA
CKVID	☐	bioMerieux, VIDAS	CKSYU	☐	ShenzhenYHLO UNICELL CK-MB
CKBAX	☐	Bioscience Axceed series	CKSAI	☐	Siemens Atellica IM
CKBIC	☐	Boditech ichroma	CKCEN	☐	Siemens Centaur
CKCAX	☐	Cormay Auryx ECLIA	CKDD	☐	Siemens Dimension
CKCXS	☐	Cormay Auryx CK-MB STAT	CKDDV	☐	Siemens Dimension Vista LOCI
CKLIA	☐	Diasorin Liaison	CKDPI	☐	Siemens Immulite 1000
CKLIX	☐	Diasorin Liaison XL	CKDP2	☐	Siemens Immulite 2000
CKFIA	☐	Finecare FIA	CKDP5	☐	Siemens Immulite 2500
CKFJL	☐	Fujirebio Lumipulse G Series	CKDO	☐	Siemens Opus
CKSLT	☐	Lifotronic eCL	CKSIS	☐	Siemens Stratus CS
CKMC2	☐	Mindray CL 8000i/6000i/2000i/1200i/1000i	CKSNM	☐	SNIBE Maglumi Analysers
CKMC3	☐	Mindray CL 900i	CKSNM2	☐	SNIBE Maglumi Analysers II
CKMP	☐	Mitsubishi Pathfast	CKTSC	☐	Tisenc Accre CLIA
CKVEC	☐	Ortho Vitros 3600/5600/ECi/XT 7600	CKTOC	☐	TOSOH AIA CL-Series
CKDC	☐	Ortho Vitros MicroSlide Systems	CKTOS	☐	Tosoh AIA Series
CKTRI	☐	Quidel Triage Meter Plus	CKXBA	☐	Xiamen Biotime FIA Analysers
CKAQT	☐	Radiometer AQT90 Flex			
CKEV	☐	Randox Evidence/Investigator			

Other Methods, please specify on enrolment document

INSTRUMENT CODE ☐

REAGENT CODE ☐

OTHER UNITS, PLEASE SPECIFY ☐   NOTE: U/l is not acceptable - use CK-MB Activity

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

D-Dimer, ug/l

CODE	METHOD	CODE	METHOD
DDARC	Abbott Architect Quantia D-Dimer	DDMIP	Micropoint D-Dimer
DDALN	Abbott Alinity D-Dimer	DDMIN	Mindray D-dimer
DDABX	Abbott Axsym	DDMP	Mitsubishi Pathfast D-Dimer
DDABI	Autobio D-dimer CLIA	DDNDF	Nano-Ditech Fluoro-Check D-dimer
DDBAU	Beckman AU D-Dimer	DDNOR	Nordic Red
DDBHM	Beijing Hotgen MQ60	DDNYC	Nycocard D-Dimer
DDBIK	Bio-Ksel D-Dimer	DDTRI	Quidel Triage D-Dimer
DDBIO	Biolabo D-Dimer	DDAQT	Radiometer AQT90 Flex D-Dimer
DDBIOK	Bioksel 6000	DDRAM	Response Biomedical RAMP
DDVID	BioMerieux Vidas Exclusion II	DDRCR	Roche Cardiac Reader D-Dimer
DDBAX	Bioscience Axceed series	DDROC	Roche Cobas D-DI 2
DDBAF	Boditech AFIAS D-Dimer	DDRH	Roche Cobas h232 D-Dimer
DDBIC	Boditech ichroma D-Dimer	DDRCT	Roche Cobas t511/t711 D-D12
DDCAX	Cormay Auryx ECLIA	DDROCP	Roche Cobas D-DI 2 citrated plasma
DDDGL	Diagnostic Grifols Latex D-Dimer	DDROHE	Roche Cobas D-DI 2 Heparin/EDTA
DDDIA	Diagon D-Dimer	DDINT	Roche Integra D-DI 2
DDBFS	Diasys D-Dimer FS	DDSAD	Sclavo Auto D-dimer
DDDIZ	Diazyme D-dimer	DDSDD	SD Biosensor Standard D-dimer FIA
DDEC3	Edan CT3 D Dimer Rapid Test	DDSYU	Shenzhen YHLO UNICELL D-Dimer
DDEUR	Eurolyser D-Dimer	DDSIC	Sinocare iCARE-2100
DDFIN	Finecare D-Dimer	DDSDP	Siemens D-Dimer Plus
DDGEI	Getein Biotech Inc D-Dimer	DDDPI	Siemens Immulite 1000 Turbo D-Dimer
DDGDO	Goldsite Omlipo D-Dimer	DDDP2	Siemens Immulite 2000 D-Dimer
DDHAB	Helena Auto-Blue D-Dimer	DDSIN	Siemens Innovance D-Dimer
DDHAR	Helena Auto-Red D-Dimer	DDST	Siemens Stratus CS
DDHD	HemoDiagnostics D-Dimer	DDSNM	SNIBE Maglumi Analyser
DDILD	HemosIL D-Dimer	DDSNM2	SNIBE Maglumi Analyser II
DDILA	HemosIL D-Dimer AcuStar	DDSTA	Stago STA Liatest D-DI/Plus
DDILDH	HemosIL D-Dimer HS	DDTAM	Tcoag TriniLIA D-Dimer
DDIL5	HemosIL D-Dimer 500	DDTEC	Teco Blue D-Dimer
DDIL5H	HemosIL D-Dimer HS 500	DDTER	Teco Red D-Dimer
DDHDT	Hipro D-Dimer Test	DDTNC	Tisenc Accre CLIA
DDHUM	Human HumaCLOT Pro	DDTSC	Thermo Scientific D-Dimer
DDIMP	ImproGen D-Dimer	DDTM	Tokra Medikal D-Dimer
DDKIN	Kinetic Kimya D-Dimer	DDTOS	Tosoh AIA
DDKLT	Kinetic Latex Turbidimetry D-Dimer	DDUMA	UMA D-Dimer
DDLFT	Lifotronic D-Dimer	DDVER	Vedalab Easy Reader
DDSLT	Lifotronic eCL	DDXBA	Xiamen Biotime FIA Analysers
DDMTC	Medcaptain D dimer CLIA	DDZON	ZONCI D-Dimer
DDMR	MediRox D-Dimer		

INSTRUMENT CODE

REAGENT CODE

KIT NAME / CATALOGUE NUMBER

KIT LOT NUMBER

OTHER UNITS, PLEASE SPECIFY

CONVERSION FACTOR BETWEEN MASS UNITS AND FEU UNITS

eg. 2 ng/ml FEU = 1 ng/ml or 1 ng/ml FEU = 1 ng/ml

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

Digoxin, nmol/l

CODE	METHOD	CODE	METHOD
DIGB	Beckman CX / LX / Immage	DIGF	Polarisation Fluoroimmunoassay
DIEDA	Beckman Emt 2000 Digoxin Assay	DRIA	RIA
DIGCH	Chemiluminescence	DIGT	Turbidimetric
DIGE	Enzyme-Immunoassay	DIGDC	Vitros
DIELF	Enzyme Linked Fluorescent Assay		Vitros Slide (Use instrument 453)
DIKIM	KIMS		

Other Methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, PLEASE SPECIFY

Homocysteine, umol/l

CODE	METHOD	CODE	METHOD
HOAAI	Abbott Alinity i	HOACLE	IL ACL Elite / Elite Pro / 8 / 9 / 10000
HOARC	Abbott Architect	HOTOP	IL ACL TOP
HOABX	Abbott Axsym	HOVEC	Ortho Vitros 3600/5600/ECi/XT 7600
HOABA	Abbott Axsym ADV	HOREA	Randox, Enzymatic Assay
HOABB	Abbott IMx	HOEV	Randox, Evidence
HOALO	Autobio CLIA	HORAM	Response Biomedical Ramp
HOAXS	Axis Shield	HOC6	Roche c501/502/503/303/311/701/702
HOSAN	Beckman Coulter Access	HOINT	Roche Cobas Integra
HOAU4	Beckman AU Instruments	HOSAI	Siemens Atellica IM
HOBEK	Beckman Synchron	HOCC	Siemens/Bayer ACS 180
HODXC	Beckman UniCel DXC	HOBAY	Siemens/Bayer Immuno1
HOVID	bioMerieux Vidas	HOCEN	Siemens Centaur
HOVIU	bioMerieux Vidas Ultra	HODD	Siemens Dimension
HOBIO	Biosino Bio-Technology	HOBN	Siemens Nephelometer
HOLIA	Diasorin Liaison	HODO	Siemens Opus
HOLIX	Diasorin Liaison XL	HODPI	Siemens Immulite 1000
HODIH	Diasys Homocysteine FS	HODP2	Siemens Immulite 2000/2500
HODIA	Diazyme Homocysteine	HOST	Siemens Stratus CS
HOFH	Fleg Healthcare Reagents	HOSBS	Snibe Bioassays
HOGES	Gesan Reagents	HOSNM	Snibe Maglumi
HOHIT	Hitachi	HOTOS	Tosoh AIA Series
HOHPL	HPLC	HOXBA	Xiamen Biotime FIA Analysers

Other Methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, PLEASE SPECIFY

HS-CRP (High Sensitivity CRP), mg/l

CODE	METHOD	CODE	METHOD
CRPCH	Chemiluminesence (IFCC Cal.)	CRPI	Radial Immunodiffusion (IFCC Cal.)
CRPCHN	Chemiluminesence (Non IFCC Cal.)	CRPIN	Radial Immunodiffusion (Non IFCC Cal.)
CRPCO	Colorimetric (IFCC Cal.)	CRRPI	Radial Partition Immunoassay
CRPCON	Colorimetric (non IFCC Cal.)	CRPTD	Turbidimetric Dimension EXL
CRPE	ELISA (IFCC Cal.)	CRPT	Turbidimetric (IFCC Cal.)
CRPEN	ELISA (Non IFCC Cal.)	CRPTN	Turbidimetric (Non IFCC Cal.)
CRIMF	Immunofluorescence (IFCC Cal.)	CRPDC	Vitros (IFCC Cal.) (Use instrument 453)
CRIMFN	Immunofluorescence (Non IFCC Cal.)	CRPDCN	Vitros (Non IFCC Cal.) (Use instrument 453)
CRPN	Nephelometric (IFCC Cal.)		Vitros Slide Generation Number
CRPNN	Nephelometric (Non IFCC Cal.)		

Other Methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, PLEASE SPECIFY

Myoglobin, ug/l

CODE	METHOD	CODE	METHOD
MYAAI	Abbott Alinity i (STAT)	MYNCK	Nano-Checker 710
MYARC	Abbott Architect	MYVEC	Ortho Vitros 3600/5600/ECi/XT 7600
MYARQ	Abbott Architect/Alinity (QUANTIA)	MYTRI	Quidel Triage Meter Plus
MYABX	Abbott Axsym	MYAQT	Radiometer AQT90 Flex
MYABT	Abbott TDx	MYEV	Randox Evidence
MYALO	Autobio CLIA	MYEVE	Randox Evolution
MYOLY	Beckman AU Instruments	MYRAM	Response Biomedical Ramp
MYDXI	Beckman Coulter Dxl 600 / 800	MYRCR	Roche Cardiac Reader

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

Code	Method		Code	Method	
MYSAN	Beckman Coulter Access	☐	MYEY8	Roche Cobas e402/e801	☐
MYBHM	Beijing Hotgen MQ60	☐	MYRH	Roche Cobas h232	☐
MYVID	bioMerieux, VIDAS	☐	MYEYS	Roche Elecsys / E170 / e601 / e602 / e411	☐
MYBSM	Biosystems Maplab Plus	☐	MYHIT	Roche Hitachi/cobas c303/311/501/502/503	☐
MYBAX	Bioscience Axceed series	☐	MYINT	Roche Integra	☐
MYBIM	Boditech ichroma Myoglobin	☐	MYSL	Samsung Labgeo IB10	☐
MYBIZ	Biozek DCR 1000	☐	MYSA	Siemens Advia 1200/1650/1800/2400	☐
MYCAX	Cormay Auryx ECLIA	☐	MYSAI	Siemens Atellica IM	☐
MYCXS	Cormay Auryx Myoglobin STAT	☐	MYCC	Siemens ACS 180	☐
MYLIA	Diasorin Liaison	☐	MYCEN	Siemens Centaur	☐
MYLIX	Diasorin Liaison XL	☐	MYDD	Siemens Dimension	☐
MYFIA	Finecare FIA	☐	MYBN	Siemens Nephelometer	☐
MYFJL	Fujirebio Lumipulse G Series	☐	MYDO	Siemens Opus	☐
MYGEI	Getein 1100 IF Quan Analyser	☐	MYDDV	Siemens Dimension Vista LOCI	☐
MYGE1	Getein 1600 Analyzer	☐	MYDPI	Siemens Immulite 1000	☐
MYGEF	Getein FIA8000 Analyser	☐	MYDP2	Siemens Immulite 2000	☐
MYHUM	Humanreader	☐	MYDP5	Siemens Immulite 2500	☐
MYHOR	Horiba ABX	☐	MYST	Siemens Stratus CS	☐
MYAIO	Innotrac Aio	☐	MYSMI	Snibe Maglumi analysers	☐
MYSLT	Lifotronic eCL	☐	MYSMI2	Snibe Maglumi analysers II	☐
MYMIP	Micropoint Myoglobin	☐	MYTOS	Tosoh AIA Series	☐
MYMIN	Mindray BS Series	☐	MYTOC	Tosoh AIA CL-Series	☐
MYMC2	Mindray CL 8000i/6000i/2000i/1200i/1000i	☐	MYXBA	Xiamen Biotime FIA Analysers	☐
MYMC3	Mindray CL 900i	☐			
MYMP	Mitsubishi Pathfast	☐			

Other Methods, please specify on enrolment document

INSTRUMENT CODE ☐☐☐☐☐☐☐

REAGENT CODE ☐☐☐☐☐☐☐

OTHER UNITS, PLEASE SPECIFY ☐☐☐☐☐☐☐

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

NT-ProBNP, pmol/l

CODE	METHOD	CODE	METHOD
NTPABA	Abbott Axsym ADV	NTPAQT	Radiometer AQT90 Flex
NTPAA	Abbott NT-ProBNP for Architect/ Alinity	NTPRAM	Response Biomedical RAMP
NTPBDX9	Beckman Dxl 9000	NTPRCR	Roche Cardiac Reader
NTPBHM	Beijing Hotgen MQ60	NTPRH	Roche Cobas h232
NTPBAF	Boditech AFIAS NT-proBNP	NTPRCS	Roche e170/e601/e602 ProBNPII
NTPVID	bioMerieux Vidas	NTPRCT	Roche e170/e601/e602 STAT ProBNPII
NTPVI2	bioMerieux Vidas 2	NTPEYS	Roche e411 ProBNPII
NTPBAX	Bioscience Axceed series	NTPSBD	SD Biosensor NT-proBNP FIA
NTPBSM	Biosystems Maplab Plus	NTPSLEC	Shenzhen Lifotronic eCL8000 eCLIA
NTPEY8	Cobas e402/e801 ProBNPII	NTPSYU	Shenzhen YHLO UNICELL
NTPEY9	Cobas e402/e801 STAT ProBNPII	NTPSAI	Siemens Atellica IM
NTPFIA	Finecare FIA	NTPCCP	Siemens Centaur CP
NTGEI	Getein 1100/1200 IF Quan Analyser	NTPCEN	Siemens Centaur XP/XPT/Classic
NTPDXR	Lifesign DxPress Reader	NTPDD	Siemens Dimension RxL / Xpand
NTPSLT	Lifotronic eCL	NTPDDE	Siemens Dimension Exl LOCI
NTPLDX	Lumira DX	NTPDDV	Siemens Dimension Vista LOCI
NTPMTC	Medcaptain CLIA	NTPDPI	Siemens/DPC Immulite 1000
NTPMLB	Micropoint mLabs NT-Pro BNP	NTPDP2	Siemens/DPC Immulite 2000
NTPMC2	Mindray CL 900i	NTPDP5	Siemens/DPC Immulite 2500
NTPMCL	Mindray CL 8000i/6000i/2000i/1200i/1000i	NTPST	Siemens Stratus CS
NTPMCP	Mitsubishi Chemical Pathfast	NTPSNM	SNIBE Maglumi analysers
NTPNDF	Nano-Ditech Fluoro-Check NTProBNP	NTPSNM2	SNIBE Maglumi analysers II
NTPVE2	Ortho Vitros NBNP2	NTPMIC	UDM MICT NT-proBNP
NTPVEC	Ortho Vitros NTBNP	NTPSAI	Siemens Atellica IM
NTPTRI	Quidel Triage	NTPTSC	Tisenc Accre CLIA
		NTPXBA	Xiamen Biotime FIA Analysers

Other Methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, PLEASE SPECIFY

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

Troponin I, ug/l

CODE		METHOD	CODE		METHOD
TIAAI		Abbott Alinity i (STAThs)	TIMP		Mitsubishi Pathfast
TIARC		Abbott Architect STAT	TIMPS		Mitsubishi Pathfast Hs
TIARS		Abbott Architect STAT hs	TINCK		Nano-Checker 710
TIABX		Abbott Axsym	TIVEC		Ortho Vitros
TIABA		Abbott Axsym ADV	TIVE2		Ortho Vitros hsTnI
TIAIS		Abbott i-STAT	TITRI		Quidel Triage Meter Plus
TIABC		Autobio CLIA	TIAQT		Radiometer AQT90 Flex
TISA2		Beckman Access - A78803	TIEV		Randox Evidence / Investigator
TISA3		Beckman Access - AccuTnI+3	TIRAM		Response Biomedical Ramp
TISAH		Beckman Access 2/DxC600i Hs	TIEYS		Roche Elecsys / E170 / c6000 / e411
TISAN		Beckman Access Ref 33340	TIE8		Roche Elecsys Troponin I
TIOLY		Beckman AU Instruments	TIHIT		Roche Hitachi
TIDX2		Beckman DxI - A78803	TISL		Samsung Labgeo IB10
TIDX3		Beckman DxI - AccuTnI+3	TISDS		SD Biosensor TnI FIA
TIDXH		Beckman DxI Hs	TISEL		SelexOn Troponin I
TIDXI		Beckman DxI Ref 33340	TISBT		Shenzhen Superbio Troponin I
TIBHM		Beijing Hotgen MQ60	TISYU		Shenzhen YHLO UNICELL cTni
TIVIH		bioMerieux VIDAS hs Troponin I	TICC		Siemens ACS 180
TIVIU		bioMerieux Vidas Ultra	TISAI		Siemens Atellica IM
TIBAX		Bioscience Axceed series	TISAV		Siemens Atellica VTLi HS
TIBAF		Boditech AFIAS Tn-I Plus	TIBAY		Siemens Immuno1
TIBIC		Boditech ichroma Tn-I	TICEH		Siemens Centaur TNIH
TICAX		Cormay Auryx ECLIA	TICEN		Siemens Centaur
TILIA		Diasorin Liaison	TIDD		Siemens Dimension
TILIX		Diasorin Liaison XL	TIDO		Siemens Opus
TIEC3		Edan C3 TnI Rapid Test	TIDDE		Siemens Dimension Exl LOCI
TIETS		Elecsys Troponin I STAT	TIDDEH		Siemens Dimension Exl LOCI Hs
TIEUR		Eurolyser	TIDDV		Siemens Dimension Vista LOCI
TIFIA		Finecare FIA	TIDDVH		Siemens Dimension Vista LOCI Hs
TIFJL		Fujirebio Lumipulse G Series	TIDPI		Siemens Immulite 1000
TIGEI		Getein 1100 IF Quan Analyser	TIDP2		Siemens Immulite 2000
TIGE1		Getein 1600 Analyzer	TIDP5		Siemens Immulite 2500
TIGEF		Getein FIA8000 Analyser	TIST		Siemens Stratus CS
TIGE2		Getein hs-cTnI Fast Test Kit	TISNM		SNIBE Maglumi Analysers
TIHCT		Hipro cTnI Test	TISNM2		SNIBE Maglumi Analysers II
TIAIO		Innotrac Aio	TISNMH		SNIBE Maglumi hs-cTnI
TILFT		Lifotronic Troponin I	TITSC		Tisenc Accre CLIA
TISLT		Lifotronic eCL	TITOC		Tosoh AIA CL Series
TIMTC		Medcaptain Troponin I CLIA	TITOS		Tosoh AIA Series
TIMIP		Micropoint Troponin I	TIVC2		Vedalab Check-2
TIMC2		Mindray CL 8000i/6000i/2000i/1200i/1000i	TIXBB		Xiamen Biotime cTnI Rapid Test
TIMC3		Mindray CL 9000i			
TIMC4		Mindray CL 8/6/2/12/1000i Hs			
TIMC5		Mindray CL 9000i HS			

Other Methods, please specify on enrolment document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, PLEASE SPECIFY

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME
Method questionnaire

Troponin T, ug/l

CODE		METHOD
TTACM	☐	Aikang CLIA-mate TnT Kit
TTALO	☐	Autobio CLIA
TTCXS	☐	Cormay Auryx hs Troponin T STAT
TTFIN	☐	Finecare FIA
TTGEI	☐	Getein Tnt fast test
TTSLT	☐	Lifotronic eCL
TTNPB	☐	Nanjing Poclight c5000
TTAQT	☐	Radiometer AQT90
TTRCR	☐	Roche Cardiac Reader When your RIQAS sample gives a result of less than 0.1 ng/ml or less than 0.03 ng/ml ("negative", "<0.1" or "< 0.03"), please simply submit the value (<0.03 or <0.1)
TTEY8	☐	Roche Cobas e801 TnT kits
TTRH8	☐	Roche Cobas e801 TnT hs kits
TTRHS8	☐	Roche Cobas e801 TnT hs STAT
TTRH	☐	Roche Cobas h232
TTEYS	☐	Roche Cobas Troponin T kits
TTRHS	☐	Roche Cobas Troponin T hs kits
TTRHSS	☐	Roche Cobas Troponin T hs STAT
TTSLEC	☐	Shenzhen Lifotronic eCL8000 eCLIA
TTSH	☐	Sysmex HISCL

Other Methods, please specify on enrolment document

INSTRUMENT CODE ☐

REAGENT CODE ☐

OTHER UNITS, PLEASE SPECIFY ☐