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 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/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. RIQAS**Net**

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

CK, Total U/l

CODE		METHOD	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	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	CKAQT	☐	Radiometer AQT90 Flex
CKARC	☐	Abbott Architect	CKEV	☐	Randox Evidence/Investigator
CKABX	☐	Abbott Axsym	CKEVE	☐	Randox Evolution
CKABB	☐	Abbott Imx	CKRCR	☐	Roche Cardiac Reader
CKAIS	☐	Abbott i-STAT	CKEY8	☐	Roche Cobas e402/e801
CKAER	☐	Abbott, Aeroset	CKRH	☐	Roche Cobas h232
CKACE	☐	Alfa Wasserman ACE/spACE	CKEYS	☐	Roche Elecsys E170, Cobas 6000, e411
CKALO	☐	Autobio CLIA	CKHIT	☐	Hitachi
CKSAN	☐	Beckman Coulter Access	CKRIM	☐	Randox Imola
CKDXI	☐	Beckman Coulter DxI 600 / 800	CKINT	☐	Roche, Integra 400 / 800
CKBDX9	☐	Beckman DXI9000	CKRAM	☐	Response Biomedical Ramp
CKBHM	☐	Beijing Hotgen MQ60	CKSL	☐	Samsung Labgeo IB10
CKVID	☐	bioMerieux, VIDAS	CKSDC	☐	SD Biosensor CKMB FIA
CKBAX	☐	Bioscience Axceed series	CKSYU	☐	ShenzhenYHLO UNICELL CK-MB
CKBIC	☐	Boditech ichroma	CKSAI	☐	Siemens Atellica IM
CKCAX	☐	Cormay Auryx ECLIA	CKCEN	☐	Siemens Centaur
CKCXS	☐	Cormay Auryx CK-MB STAT	CKDD	☐	Siemens Dimension
CKLIA	☐	Diasorin Liaison	CKDDV	☐	Siemens Dimension Vista LOCI
CKLIX	☐	Diasorin Liaison XL	CKDPI	☐	Siemens Immulite 1000
CKFIA	☐	Finecare FIA	CKDP2	☐	Siemens Immulite 2000
CKFJL	☐	Fujirebio Lumipulse G Series	CKDP5	☐	Siemens Immulite 2500
CKSLT	☐	Lifotronic eCL	CKDO	☐	Siemens Opus
CKMAI	☐	Maccura I Series	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

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

D-Dimer, ug/l

CODE		METHOD	CODE		METHOD
DDARC	☐	Abbott Architect Quantia D-Dimer	DDMR	☐	MediRox D-Dimer
DDALN	☐	Abbott Alinity D-Dimer	DDMIP	☐	Micropoint D-Dimer
DDABX	☐	Abbott Axsym	DDMIN	☐	Mindray D-dimer
DDABI	☐	Autobio D-dimer CLIA	DDMP	☐	Mitsubishi Pathfast D-Dimer
DDBAU	☐	Beckman AU D-Dimer	DDNDF	☐	Nano-Ditech Fluoro-Check D-dimer
DDBHM	☐	Beijing Hotgen MQ60	DDNOR	☐	Nordic Red
DDBIK	☐	Bio-Ksel D-Dimer	DDNYC	☐	Nycocard D-Dimer
DDBIO	☐	Biolabo D-Dimer	DDTRI	☐	Quidel Triage D-Dimer
DDBIOK	☐	Bioksel 6000	DDAQT	☐	Radiometer AQT90 Flex D-Dimer
DDVID	☐	BioMerieux Vidas Exclusion II	DDRAM	☐	Response Biomedical RAMP
DDBAX	☐	Bioscience Axceed series	DDRCR	☐	Roche Cardiac Reader D-Dimer
DDBSD	☐	BioSystems D-Dimer Latex	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
DDEDR	☐	Erba Ddimer R	DDSIC	☐	Sinocare iCARE-2100
DDEUR	☐	Eurolyser D-Dimer	DDSDP	☐	Siemens D-Dimer Plus
DDFIN	☐	Finecare D-Dimer	DDDPI	☐	Siemens Immulite 1000 Turbo D-Dimer
DDFDD	☐	Fortress Diagnostics D-Dimer	DDDP2	☐	Siemens Immulite 2000 D-Dimer
DDGEI	☐	Getein Biotech Inc D-Dimer	DDSIN	☐	Siemens Innovance D-Dimer
DDGDO	☐	Goldsite Omlipo D-Dimer	DDST	☐	Siemens Stratus CS
DDHAB	☐	Helena Auto-Blue D-Dimer	DDSNM	☐	SNIBE Maglumi Analyser
DDHAR	☐	Helena Auto-Red D-Dimer	DDSNM2	☐	SNIBE Maglumi Analyser II
DDHD	☐	HemoDiagnostics D-Dimer	DDSTA	☐	Stago STA Liatest D-DI/Plus
DDILD	☐	HemosIL D-Dimer	DDTAM	☐	Tcoag TriniLIA D-Dimer
DDILA	☐	HemosIL D-Dimer AcuStar	DDTEC	☐	Teco Blue D-Dimer
DDILDH	☐	HemosIL D-Dimer HS	DDTER	☐	Teco Red D-Dimer
DDIL5	☐	HemosIL D-Dimer 500	DDTNC	☐	Tisenc Accre CLIA
DDIL5H	☐	HemosIL D-Dimer HS 500	DDTSC	☐	Thermo Scientific D-Dimer
DDHDT	☐	Hipro D-Dimer Test	DDTM	☐	Tokra Medikal D-Dimer
DDHUM	☐	Human HumaCLOT Pro	DDTOS	☐	Tosoh AIA
DDIMP	☐	ImproGen D-Dimer	DDUMA	☐	UMA D-Dimer
DDKIN	☐	Kinetic Kimya D-Dimer	DDVER	☐	Vedalab Easy Reader
DDKLT	☐	Kinetic Latex Turbidimetry D-Dimer	DDWSL	☐	Wondfo SmarLumi Series
DDLFT	☐	Lifotronic D-Dimer	DDXBA	☐	Xiamen Biotime FIA Analysers
DDSLT	☐	Lifotronic eCL	DDZON	☐	ZONCI D-Dimer
DDMTC	☐	Medcaptain D dimer CLIA			

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

Digoxin, nmol/l

CODE		METHOD	CODE		METHOD
DIGAC	☐	Abbott CMIA	DIELF	☐	Enzyme Linked Fluorescent Assay
DIGB	☐	Beckman CX / LX / Immage	DIKIM	☐	KIMS
DIGBDX9	☐	Beckman DXI9000	DIGF	☐	Polarisation Fluoroimmunoassay
DIEDA	☐	Beckman Emt 2000 Digoxin Assay	DRIA	☐	RIA
DIGCH	☐	Chemiluminescence	DIGT	☐	Turbidimetric
DIGE	☐	Enzyme-Immunoassay	DIGDC	☐	Vitros
					Vitros Slide (Use instrument 453) ☐☐

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	HOLM	☐	LC/MS
HOABA	☐	Abbott Axsym ADV	HOMIN	☐	Mindray Homocysteine
HOABB	☐	Abbott IMx	HOVEC	☐	Ortho Vitros 3600/5600/ECi/XT 7600
HOALO	☐	Autobio CLIA	HOREA	☐	Randox, Enzymatic Assay
HOAXS	☐	Axis Shield	HOEV	☐	Randox, Evidence
HOSAN	☐	Beckman Coulter Access	HORAM	☐	Response Biomedical Ramp
HOAU4	☐	Beckman AU Instruments	HOC6	☐	Roche c501/502/503/303/311/701/702
HOBDX9	☐	Beckman DXI9000	HOINT	☐	Roche Cobas Integra
HOBEK	☐	Beckman Synchron	HOSAI	☐	Siemens Atellica IM
HODXC	☐	Beckman UniCel DXC	HOCC	☐	Siemens/Bayer ACS 180
HOVID	☐	bioMerieux Vidas	HOBAY	☐	Siemens/Bayer Immuno1
HOVIU	☐	bioMerieux Vidas Ultra	HOCEN	☐	Siemens Centaur
HOBIO	☐	Biosino Bio-Technology	HODD	☐	Siemens Dimension
HOLIA	☐	Diasorin Liaison	HOBN	☐	Siemens Nephelometer
HOLIX	☐	Diasorin Liaison XL	HODO	☐	Siemens Opus
HODIH	☐	Diasys Homocysteine FS	HODPI	☐	Siemens Immulite 1000
HODIA	☐	Diazyme Homocysteine	HODP2	☐	Siemens Immulite 2000/2500
HOFH	☐	Fleg Healthcare Reagents	HOST	☐	Siemens Stratus CS
HOGES	☐	Gesan Reagents	HOSBS	☐	Snibe Bioassays
HOHIT	☐	Hitachi	HOSNM	☐	Snibe Maglumi
HOHPL	☐	HPLC	HOTOS	☐	Tosoh AIA Series
			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
CRPBDX9	☐	Beckman DXI9000	CRRPI	☐	Radial Partition Immunoassay
CRPCH	☐	Chemiluminesence (IFCC Cal.)	CRPCRP2	☐	Siemens C-Reactive Protein_2 (Turbidimetric)
CRPCHN	☐	Chemiluminesence (Non IFCC Cal.)	CRPCP	☐	Siemens CardioPhase hsCRP (Turbidimetric)
CRPCO	☐	Colorimetric (IFCC Cal.)	CRPWR	☐	Siemens Wide Range CRP (Turbidimetric)
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.)			
CRPI	☐	Radial Immunodiffusion (IFCC Cal.)			
CRPIN	☐	Radial Immunodiffusion (Non IFCC Cal.)			
CRRPI	☐	Radial Partition Immunoassay			

Other Methods, please specify on enrolment document

INSTRUMENT CODE ☐

REAGENT CODE ☐

OTHER UNITS, PLEASE SPECIFY ☐

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME

Myoglobin, ug/l

CODE		METHOD
MYAAQ	☐	Abbott Alinity c
MYAAI	☐	Abbott Alinity i (STAT)
MYARC	☐	Abbott Architect
MYARQ	☐	Abbott Architect c (QUANTIA kit)
MYABX	☐	Abbott Axsym
MYABT	☐	Abbott TDx
MYALO	☐	Autobio CLIA
MYOLY	☐	Beckman AU Instruments
MYDXI	☐	Beckman Coulter DxI 600 / 800
MYSAN	☐	Beckman Coulter Access
MYBDX9	☐	Beckman DXI9000
MYBHM	☐	Beijing Hotgen MQ60
MYVID	☐	bioMerieux, VIDAS
MYBSM	☐	Biosystems Maplab Plus
MYBAX	☐	Bioscience Axceed series
MYBIM	☐	Boditech ichroma Myoglobin
MYBIZ	☐	Biozek DCR 1000
MYCAX	☐	Cormay Auryx ECLIA
MYCXS	☐	Cormay Auryx Myoglobin STAT
MYLIA	☐	Diasorin Liaison
MYLIX	☐	Diasorin Liaison XL
MYFIA	☐	Finecare FIA
MYFJL	☐	Fujirebio Lumipulse G Series
MYGEI	☐	Getein 1100 IF Quan Analyser
MYGE1	☐	Getein 1600 Analyzer
MYGEF	☐	Getein FIA8000 Analyser
MYHUM	☐	Humanreader
MYHOR	☐	Horiba ABX
MYAIO	☐	Innotrac Aio
MYSLT	☐	Lifotronic eCL
MYMIP	☐	Micropoint Myoglobin
MYMIN	☐	Mindray BS Series
MYMC2	☐	Mindray CL 8000i/6000i/2000i/1200i/1000i
MYMC3	☐	Mindray CL 900i
MYMP	☐	Mitsubishi Pathfast
MYNCK	☐	Nano-Checker 710
MYVEC	☐	Ortho Vitros 3600/5600/ECi/XT 7600
MYTRI	☐	Quidel Triage Meter Plus
MYAQT	☐	Radiometer AQT90 Flex
MYEV	☐	Randox Evidence
MYEVE	☐	Randox Evolution
MYRAM	☐	Response Biomedical Ramp
MYRCR	☐	Roche Cardiac Reader
MYEY8	☐	Roche Cobas e402/e801
MYRH	☐	Roche Cobas h232
MYEYS	☐	Roche Elecsys / E170 / e601 / e602 / e411
MYHIT	☐	Roche Hitachi/cobas c303/311/501/502/503
MYINT	☐	Roche Integra
MYSL	☐	Samsung Labgeo IB10
MYSA	☐	Siemens Advia 1200/1650/1800/2400
MYSAI	☐	Siemens Atellica IM
MYCC	☐	Siemens ACS 180
MYCEN	☐	Siemens Centaur
MYDD	☐	Siemens Dimension
MYBN	☐	Siemens Nephelometer
MYDO	☐	Siemens Opus
MYDDV	☐	Siemens Dimension Vista LOCI
MYDPI	☐	Siemens Immulite 1000
MYDP2	☐	Siemens Immulite 2000
MYDP5	☐	Siemens Immulite 2500
MYST	☐	Siemens Stratus CS
MYSMI	☐	Snibe Maglumi analysers
MYSMI2	☐	Snibe Maglumi analysers II
MYTOS	☐	Tosoh AIA Series
MYTOC	☐	Tosoh AIA CL-Series
MYXBA	☐	Xiamen Biotime FIA Analysers

Other Methods, please specify on enrolment document

INSTRUMENT CODE ☐

REAGENT CODE ☐

OTHER UNITS, PLEASE SPECIFY ☐

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME

NT-ProBNP, pmol/l

CODE		METHOD	CODE		METHOD
NTPABA	☐	Abbott Axsym ADV	NTPRAM	☐	Response Biomedical RAMP
NTPAAI	☐	Abbott NT-ProBNP for Alinity	NTPRCR	☐	Roche Cardiac Reader
NTPAA	☐	Abbott NT-ProBNP for Architect	NTPRH	☐	Roche Cobas h232
NTPBDX9	☐	Beckman DxI 9000	NTPRCS	☐	Roche e170/e601/e602 ProBNPII
NTPBHM	☐	Beijing Hotgen MQ60	NTPRCT	☐	Roche e170/e601/e602 STAT ProBNPII
NTPBAF	☐	Boditech AFIAS NT-proBNP	NTPEYS	☐	Roche e411 ProBNPII
NTPVID	☐	bioMerieux Vidas	NTPSBD	☐	SD Biosensor NT-proBNP FIA
NTPVI2	☐	bioMerieux Vidas 2	NTPSLEC	☐	Shenzhen Lifotronic eCL8000 eCLIA
NTPBAX	☐	Bioscience Axceed series	NTPSYU	☐	Shenzhen YHLO UNICELL
NTPBSM	☐	Biosystems Maplab Plus	NTPSAI	☐	Siemens Atellica IM
NTPBIC	☐	Boditech iChroma NT-ProBNP	NTPSAI2	☐	Siemens Atellica IM PBNPII
NTPEY8	☐	Cobas e402/e801 ProBNPII	NTPCCP	☐	Siemens Centaur CP
NTPEY9	☐	Cobas e402/e801 STAT ProBNPII	NTPCEN	☐	Siemens Centaur XP/XPT/Classic
NTPFIA	☐	Finecare FIA	NTPCEN2	☐	Siemens Centaur XP/XPT PBNPII
NTGEI	☐	Getein 1100/1200 IF Quan Analyser	NTPDD	☐	Siemens Dimension RxL / Xpand
NTPDXR	☐	Lifesign DxPress Reader	NTPDDE	☐	Siemens Dimension Exl LOCI
NTPSLT	☐	Lifotronic eCL	NTPDDV	☐	Siemens Dimension Vista LOCI
NTPLDX	☐	Lumira DX	NTPDPI	☐	Siemens/DPC Immulite 1000
NTPMAI	☐	Maccura I Series		☐	
NTPMTC	☐	Medcaptain CLIA	NTPDP2	☐	Siemens/DPC Immulite 2000
NTPMLB	☐	Micropoint mLabs NT-Pro BNP	NTPDP5	☐	Siemens/DPC Immulite 2500
NTPMC2	☐	Mindray CL 900i	NTPST	☐	Siemens Stratus CS
NTPMCL	☐	Mindray CL 8000i/6000i/2000i/1200i/1000i	NTPSNM	☐	SNIBE Maglumi analysers
NTPMCP	☐	Mitsubishi Chemical Pathfast	NTPSNM2	☐	SNIBE Maglumi analysers II
NTPNDF	☐	Nano-Ditech Fluoro-Check NTProBNP	NTPMIC	☐	UDM MICT NT-proBNP
NTPVE2	☐	Ortho Vitros NBNP2	NTPSAI	☐	Siemens Atellica IM
NTPVEC	☐	Ortho Vitros NTBNP	NTPTSC	☐	Tisenc Accre CLIA
NTPTRI	☐	Quidel Triage	NTPWSL	☐	Wondfo SmarLumi Series
NTPAQT	☐	Radiometer AQT90 Flex	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

Troponin I, ug/l

CODE		METHOD	CODE		METHOD
TIAAI	☐	Abbott Alinity i (STAThs)	TIMC4	☐	Mindray CL 8/6/2/12/1000i Hs
TIARC	☐	Abbott Architect STAT	TIMC5	☐	Mindray CL 9000i HS
TIARS	☐	Abbott Architect STAT hs	TIMP	☐	Mitsubishi Pathfast
TIABX	☐	Abbott Axsym	TIMPS	☐	Mitsubishi Pathfast Hs
TIABA	☐	Abbott Axsym ADV	TINCK	☐	Nano-Checker 710
TIAIS	☐	Abbott i-STAT	TIVEC	☐	Ortho Vitros
TIABC	☐	Autobio CLIA	TIVE2	☐	Ortho Vitros hsTnI
TISA2	☐	Beckman Access - A78803	TITRI	☐	Quidel Triage Meter Plus
TISA3	☐	Beckman Access - AccuTnI+3	TIAQT	☐	Radiometer AQT90 Flex
TISAH	☐	Beckman Access 2/DxC600i Hs	TIEV	☐	Randox Evidence / Investigator
TISAN	☐	Beckman Access Ref 33340	TIRAM	☐	Response Biomedical Ramp
TIOLY	☐	Beckman AU Instruments	TIEYS	☐	Roche Elecsys / E170 / c6000 / e411
TIDX9	☐	Beckman DxI9000	TIE8	☐	Roche Elecsys Troponin I
TIDX2	☐	Beckman DxI - A78803	TIHIT	☐	Roche Hitachi
TIDX3	☐	Beckman DxI - AccuTnI+3	TISL	☐	Samsung Labgeo IB10
TIDXH	☐	Beckman DxI Hs	TISDS	☐	SD Biosensor TnI FIA
TIDXI	☐	Beckman DxI Ref 33340	TISEL	☐	SelexOn Troponin I
TIBHM	☐	Beijing Hotgen MQ60	TISBT	☐	Shenzhen Superbio Troponin I
TIVIH	☐	bioMerieux VIDAS hs Troponin I	TISYU	☐	Shenzhen YHLO UNICELL cTni
TIVIU	☐	bioMerieux Vidas Ultra	TICC	☐	Siemens ACS 180
TIBAX	☐	Bioscience Axceed series	TISAI	☐	Siemens Atellica IM
TIBAF	☐	Boditech AFIAS Tn-I Plus	TISAV	☐	Siemens Atellica VTLi HS
TIBIC	☐	Boditech ichroma Tn-I	TIBAY	☐	Siemens Immuno1
TICAX	☐	Cormay Auryx ECLIA	TICEH	☐	Siemens Centaur TNIH
TILIA	☐	Diasorin Liaison	TICEN	☐	Siemens Centaur
TILIX	☐	Diasorin Liaison XL	TIDD	☐	Siemens Dimension
TIEC3	☐	Edan C3 TnI Rapid Test	TIDO	☐	Siemens Opus
TIETS	☐	Elecsys Troponin I STAT	TIDDE	☐	Siemens Dimension Exl LOCI
TIEUR	☐	Eurolyser	TIDDEH	☐	Siemens Dimension Exl LOCI Hs
TIFIA	☐	Finecare FIA	TIDDV	☐	Siemens Dimension Vista LOCI
TIFJL	☐	Fujirebio Lumipulse G Series	TIDDVH	☐	Siemens Dimension Vista LOCI Hs
TIGEI	☐	Getein 1100 IF Quan Analyser	TIDPI	☐	Siemens Immulite 1000
TIGE1	☐	Getein 1600 Analyzer	TIDP2	☐	Siemens Immulite 2000
TIGEF	☐	Getein FIA8000 Analyser	TIDP5	☐	Siemens Immulite 2500
TIGE2	☐	Getein hs-cTnI Fast Test Kit	TIST	☐	Siemens Stratus CS
TIHCT	☐	Hipro cTnI Test	TISNM	☐	SNIBE Maglumi Analysers
TIAIO	☐	Innotrac Aio	TISNM2	☐	SNIBE Maglumi Analysers II
TILFT	☐	Lifotronic Troponin I	TISNMH	☐	SNIBE Maglumi hs-cTnI
TISLT	☐	Lifotronic eCL	TITSC	☐	Tisenc Accre CLIA
TIMTC	☐	Medcaptain Troponin I CLIA	TITOC	☐	Tosoh AIA CL Series
TIMIP	☐	Micropoint Troponin I	TITOS	☐	Tosoh AIA Series
TIMC2	☐	Mindray CL 8000i/6000i/2000i/1200i/1000i	TIVC2	☐	Vedalab Check-2
TIMC3	☐	Mindray CL 9000i	TIWSL	☐	Wondfo SmarLumi Series
			TIXBB	☐	Xiamen Biotime cTnI Rapid Test

Other Methods, please specify on enrolment document

INSTRUMENT CODE	
REAGENT CODE	
OTHER UNITS, PLEASE SPECIFY	

RIQAS

RQ9190 - CARDIAC PLUS PROGRAMME

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
TTRH86	☐	Roche cobas e402/e801 TnT hs STAT Gen 6
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
TTWSL	☐	Wondfo SmarLumi Series
TTTSC	☐	Wondfo Tisenc Accre CLIA

Other Methods, please specify on enrolment document

INSTRUMENT CODE	
REAGENT CODE	
OTHER UNITS, PLEASE SPECIFY	