REGISTRATION INSTRUCTIONS & RIQAS POLICIES

CRITERIA FOR PARTICIPATION

This programme is available to any laboratory running a Glycated Haemoglobin assay as listed in this document except those using instrument 611 - Axis-Shield Afinion. 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

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.

NB. It is important that you register appropriately according to the ***alignment of your results*** to IFCC or DCCT/NGSP standards. If your results are not reported to either of these, please register in the Non-aligned group,

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

GDANR **Anbio HbA1c Rapid Test Kit**

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

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.

The declaration indicates that by submitting your enrolment

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.

Labs can register their assay details using RIQASNet or can

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.

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

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.

Adding Parameters via RIQASNet: Parameters can be added using the Assay Details section

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 3 working days.

Please ensure your purchase order for each cycle is placed with your local Randox

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.

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

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

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

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.

In keeping with the objectives of EQA schemes, participants should be aware that collusion and falsification of results is

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 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.

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

GDFDE

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 & RIGHT TO APPEAL

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 this programme. 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

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.

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.

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

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

UKAS PROFICIENCY TESTING

0010

RQ9129 - GLYCATED HAEMOGLOBIN ($HbA1_c$)

METHOD QUESTIONNAIRE

This programme is not suitable for use with instrument 611 - Axis-Shield Afinion

HbA1c results aligned to DCCT / NGSP (%)

CODE		METHOD
GDAER		Abbott Aeroset
GDARCA		Abbott Architect c (Direct Turbidimetric)
GDARC		Abbott Architect c /Alinity c
GDARI		Abbott Architect i / Alinity i
GDABX		Abbott Axsym
GDPEN		ABX Pentra
GDAMI		Agappe Mispa i2
GDAMI3		Agappe Mispa i3
GDAGS		Agappe Sens IT
GDAQRG		Aidian/Orion Quikread go
GDACE		Alfa Wasserman ACE / spACE / NExCT
GDAMS		AMS Sat 450
GDANR		Anbio HbA1c Rapid Test Kit
GDANM		Analyticon Micro Column
GDAEA		ApexBio Eclipse A1c
GDA1V		Arkray Adams A1c HA-81910
GDHA		Arkray/Adams/Menarini A1c HA-8000 Series
GDAPC		Arkray PocketChem A1c
GDAAC		Audicom AC 6000 Series
GDOL		Beckman AU Instruments
GDDXC		Beckman DxC600/DxC800
GDCX		Beckman Synchron CX4/5/7/9
GDLX		Beckman Synchron LX20/PRO
GDBHA		Beckman HbA1c Advanced
GDBAH		Bioanalystic Diagnostic HbA1c
GDBH		BioHermes HbA1c
GDBK		Biokit Quantex HbA1c
GDTEN		Biorad D-10
GDBOH		Biorad D-100
GDBRD		Biorad Diamat
GDDIA		Biorad Diastat
GDBI2		Biorad in2it
GDMIC		Biorad Micromat II
GDVA		Biorad Variant I
GDVAB		Biorad Variant II (Boronate Affinity)
GDVA2		Biorad Variant II (ion exchange)
GDB25		Biosystems A15 / A25
GDB200		BioSystems BA200
GDB400		BioSystems BA400
GDBTS		Biosystems BTS Series
GDBIO		Biotecnica HbA1c Direct
GDBMA		Boditech Med Inc AFIAS
GDBMI		Boditech Med Inc *i*-CHROMA
GDCAR		Carolina Direct HbA1c
GDCEN		Centronic HbA1c
GDCC4		Ceragem Cera-Stat 4000
GDCLC		Ceragem/Green Cross M.S. Labona Check
GDCRL		Chronolab Glycated Hemoglobin
GDCA1		Clover A1c
GDCA2		Clover A1c Self
GDCA3		Clover A1c Plus
GDCA4		Clover A1c Expert
GDCOR		Cormay Accent
GDDLA		Dialab HbA1c direct
GDDIH		DiaSys HbA1c
GDDIN		Diasys Innovastar
GDDE		Diazyme Direct Enzymatic HbA1c
GDDU3		Dionex Ultimate 3000 LC system
GDDIR		DIRUI
GDDMH		Dr Muller HbA1c ID
GDS360		Drew DS360
GDDS5		Drew DS5/G15
GDDGE		Dx Gen Epithod 616
GDHBG		Drew Hb-Gold
GDEQL		EKF Quotient Quo-Lab A1c Test
GDQUOT		EKF Quotient Quo-Test A1c Test

CODE		METHOD
GDEC		Erba-Chem EC-5
GDEHV		Erba Hb-Vario
GDEXL		Erba XL Series
GDEVE		Eveda HubX
GDFDE		Fortress Diagnostics Electalyte-500
GDFUR		Furuno CA-Series HbA1c
GDGEP		Genius/Genrui HbA1c kit
GDGEC		Gesan Chem 400
GDGET		Getein HbA1c
GDGAG		Goldsite A1C go analyser
GDGSH		Goldsite GSH-60
GDGNS		Goldsite Nephstar
GDGRC		Green Cross M.S. Greencare A1c
GDHEC		Hemocure HbA1c 501 Analyser
GDHIP		Hipro Latex-enhanced Turbidimetric
GDH7		Hitachi 7 series
GDH9		Hitachi 9 series
GDAG		HP Agilent 1100
GDHUM		Human Autohumalyser
GDHDH		Human Diagnostics HumaNex A1c
GDHME		Human HumaMeter A1c
GDIHB		Indvia Hb-one plus
GDIBQ		Inter Bio-lab iQ-A1c Plus
GDMIV		I.S.E. srl Mivra
GDIS		i-sens A1 Care
GDIL3		Ilab 300 plus
GDIL		ILab 600/Monarch
GDJEB		JEOL BM Test/Hitachi Chem. HbA1c
GDKK		Kinetic Kimya HbA1c 2A
GDKON		Konelab 20/30/60 / Thermo Indiko
GDLLD		Labnovation LD-500
GDLD6		Labnovation LD-600
GDLD1		Labnovation LD-100/120/160
GDLD5		Labnovation LD-560/561/562
GDLBO		Lanson Bio HbA1c
GDLFD		Life DX HbPRO
GDLFT		Lifotronic GH900/900Plus
GDLTA		LTA manual HbA1
GDLDX		LumiraDx
GDMAC		Maccura GO1
GDMMQ		Medconn MQ-2000PT (HPLC)
GDMQ3		Medconn MQ-3000 (HPLC)
GDHBN		Menarini HB Next
GDMM		Merck Microlab
GDMER		Meriline GluQuant A1c
GDMR		Milton Roy, Spectronic
GDMIN		Mindray BS Series
GDMH50		Mindray H50/ H50P
GDMTI		MTI Diagnostics HA-1500
GDNKC		Nihon Kohden Celltac Chemi
GDNYC		Nycocard Reader
GDFUE		Ortho Vitros A1C1 (Enzymatic)
GDFUS		Ortho Vitros d%A1c
GDOPQ		Optibio optical Q HbA1c
GDPPC		Paramedical PKL PPC Automatic Series
GDPPH		Paramedical PKL PPC 810HPLC
GDPH20		Prestige H-20 Analyser
GDPDA		PTS Diagnostocs A1CNOW Self Check
GDRXD		Randox Rx HbA1c
GDRX2		Randox Rx HbA1c II
GDCO3		Roche Cobas 4000 / c311
GDCOB		Roche Cobas 6000 / 8000
GDCO5		Roche Cobas c303/c503
GDRC53		Roche Cobas c513
GDMIR		Roche Cobas Mira
GDGDX		Roche GDx (Boronate Affinity)

CONTINUED ON NEXT PAGE

RQ9129 - GLYCATED HAEMOGLOBIN ($HbA1_c$)

METHOD QUESTIONNAIRE

This programme is not suitable for use with instrument 611 - Axis-Shield Afinion

HbA1c results aligned to DCCT / NGSP (%)

CODE		METHOD
GDINT		Roche Integra
GDMOP		Roche Modular P / Cobas c111
GDSD		SD A1c Care
GDSDF		SD Biosensor Standard F HbA1c
GDSC2		Sebia Capilarys / Minicap
GDSL		Shenzhen Lifotronic HbA1c
GDSL8		Shenzhen Lifotronic H8
GDSAC		Siemens Atellica CH A1c_3
GDSAE		Siemens Atellica CH A1c_E
GDA1C		Siemens/Bayer A1c Now Plus
GDADV		Siemens Advia CH A1c_3
GDADE		Siemens Advia CH A1c_E
GDRA		Siemens/Bayer RA50
GDDD		Siemens/Dade Dimension
GDDCA		Siemens DCA2000 / Vantage
GDSBIO		Snibe Biosassys
GDS240		Spinreact Spintech 240

CODE		METHOD
GDSB		STANBIO
GDTCD		Teco Diagnostics Matrix
GDTBS		Tokyo Boeki / Prestige 24i
GDTOSA		TOSOH AIA Series
GDTO2		TOSOH A1c 2.2 Plus
GDTOS		TOSOH HLC723/G7/G8/GX/G11
GDTRI		Trimaris HbA1c
GDPRI		Trinity Biotech Primus CLC385/PDQ/Ultra 2
GDTBT		Trinity Biotech Tri-stat
GDUMA		UMA HbA1c II
GDTPR		Trinity/Menarini Premier Hb9210
GDVDH		Vital Diagnostics HbA1c direct
GDFLX		Vitalab Flexor / Selectra
GDWFM		Wondfo Finecare Meter
GDZVT		Zivak Technologies HPLC
GDZHB		Zovec Z-Hb Confirm HPLC

Other Methods - Please specify on the document

INSTRUMENT CODE	
REAGENT CODE	
OTHER UNITS, SPECIFY	

RQ9129 - GLYCATED HAEMOGLOBIN ($HbA1_c$)

METHOD QUESTIONNAIRE

This programme is not suitable for use with instrument 611 - Axis-Shield Afinion

Total Hb results aligned to DCCT / NGSP (g/dl)

CODE		METHOD
GDAER		Abbott Aeroset
GDARC		Abbott Architect c
GDARI		Abbott Architect i / Alinity i
GDALC		Abbott Alinity c
GDABX		Abbott Axsym
GDPEN		ABX Pentra
GDAMI		Agappe Mispa i2
GDACE		Alfa Wasserman ACE / spACE / NExCT
GDAMS		AMS Sat 450
GDHA		Arkray/Adams/Menarini A1c HA-8000 Series
GDAAC		Audicom AC 6000 Series
GDOL		Beckman AU Instruments
GDDXC		Beckman DxC600/DxC800
GDCX		Beckman Synchron CX4/5/7/9
GDLX		Beckman Synchron LX20/PRO
GDTEN		Biorad D-10
GDBOH		Biorad D-100
GDBRD		Biorad Diamat
GDDIA		Biorad Diastat
GDMIC		Biorad Micromat II
GDVA		Biorad Variant I
GDVAB		Biorad Variant II (Boronate Affinity)
GDVA2		Biorad Variant II (ion exchange)
GDB25		Biosystems A15 / A25
GDB200		BioSystems BA200
GDB400		BioSystems BA400
GDBTS		Biosystems BTS Series
GDCC4		Ceragem Cera-Stat 4000
GDCLC		Ceragem/Green Cross M.S. Labona Check
GDDS5		Drew DS5/G15
GDHBG		Drew Hb-Gold
GDDIN		Diasys Innovastar
GDDIR		DIRUI
GDQUOL		EKF Quotient Quo-Lab A1c Test
GDQUOT		EKF Quotient Quo-Test A1c Test
GDEC		Erba-Chem EC-5
GDEHV		Erba Hb-Vario
GDFDE		Fortress Diagnostics Electalyte-500
GDGEC		Gesan Chem 400
GDHEC		HemoCue HbA1c 501 Analyser
GDH7		Hitachi 7 series
GDH9		Hitachi 9 series

CODE		METHOD
GDAG		HP Agilent 1100
GDHUM		Human Autohumalyser
GDIL3		ILab 300 plus
GDIL		ILab 600/Monarch
GDMIV		I.S.E. srl Mivra
GDJEB		JEOL BM Test HbA1c
GDKON		Konelab 20/30/60 / Thermo Indiko
GDLLD		Labnovation LD-500
GDLFT		Lifotronic GH900/900Plus
GDLDX		LumiraDx
GDMMQ		Medconn MQ-2000PT (HPLC)
GDMQ3		Medconn MQ-3000 (HPLC)
GDMM		Merck Microlab
GDMER		Meriline GluQuant A1c
GDMR		Milton Roy, Spectronic
GDMIN		Mindray BS Series
GDMH50		Mindray H50/H50P
GDNYC		Nycocard Reader
GDFUS		Ortho Vitros d%A1c
GDRXD		Randox Rx Series
GDCO3		Roche Cobas 4000/c311
GDCOB		Roche Cobas 6000 / 8000
GDR101		Roche Cobas b 101
GDCO5		Roche Cobas c303/c503
GDRC53		Roche Cobas c513
GDMIR		Roche Cobas Mira
GDGDX		Roche GDx (Boronate Affinity)
GDINT		Roche Integra
GDMOP		Roche Modular P / Cobas c111
GDSC2		Sebia Capilarys / Minicap
GDADV		Siemens ADVIA 1200 / 1650 / 1800 / 2400
GDRA		Siemens RA50
GDDD		Siemens Dimension
GDDCA		Siemens DCA2000 / Vantage
GDSBIO		Snibe Biosassys
GDSTS		Tascom SimplexTAS 101 HbA1C
GDTOSA		TOSOH AIA Series
GDTOS		TOSOH HLC723/G7/G8/GX/G11
GDPRI		Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GDTBT		Trinity Biotech Tri-stat
GDTPR		Trinity/Menarini Premier Hb9210
GDUMA		UMA HbA1c II
GDVDH		Vital Diagnostics HbA1c direct

Other Methods - Please specify on the document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

RQ9129 - GLYCATED HAEMOGLOBIN ($HbA1_c$)

METHOD QUESTIONNAIRE

This programme is not suitable for use with instrument 611 - Axis-Shield Afinion

HbA1c results aligned to IFCC (mmol/mol)

CODE		METHOD
GIAER		Abbott Aeroset
GIARC		Abbott Architect c / Alinity c
GIARI		Abbott Architect i /Alinity i
GIPEN		ABX Pentra
GIAMI		Agappe Mispa i2
GIAM3		Agappe Mispa i3
GIAGS		Agappe Sens IT
GIAQRG		Aidian/Orion Quikread go
GIACE		Alfa Wasserman ACE / spACE / NExCT
GIAMS		AMS Sat 450
GIANR		Anbio HbA1c Rapid test Kit
GIANM		Analyticon Micro Column
GIAHA		Apex Bio Eclipse A1C
GIA1V		Arkray Adams A1c HA-81911
GIHA		Arkray/Adams/Menarini A1c HA-8000 Series
GIAAC		Audicom AC 6000 Series
GIOL		Beckman AU Instruments
GIDXC		Beckman DxC600/DxC800
GICX		Beckman Synchron CX 4 / 5 / 7 / 9
GILX		Beckman Synchron LX20 / PRO
GIBHA		Beckman HbA1c Advanced
GIBAH		Bioanalystic Diagnostic HbA1c
GIBH		BioHermes HbA1c
GIBK		Biokit Quantex HbA1c
GITEN		Biorad D-10
GIBOH		Biorad D-100
GIBRD		Biorad Diamat
GIDIA		Biorad Diastat
GIBI2		Biorad in2it
GIMIC		Biorad Micromat II
GIVA		Biorad Variant I
GIVA2		Biorad Variant II
GIB25		Biosystems A15 / A25
GIB200		BioSystems BA200
GIB400		BioSystems BA400
GIBTS		Biosystems BTS Series
GIBIO		Biotecnica HbA1c Direct
GICC4		Ceragem Cera-Stat 4000
GICLC		Ceragem/Green Cross M.S. Labona Check
GICRL		Chronolab Glycated Hemoglobin
GICA1		Clover A1c
GICA2		Clover A1c Self
GICA3		Clover A1c Plus
GICA4		Clover A1c Expert
GIDLA		Dialab HbA1c direct
GIDIH		DiaSys HbA1c
GIDIN		Diasys Innovastar
GIDE		Diazyme Direct Enzymatic HbA1c
GIDU3		Dionex Ultimate 3000 LC system
GIDIR		DIRUI
GIDMH		Dr Muller HbA1c ID
GIDS360		Drew DS360
GIDS5		Drew Ds5/G15
GIHBG		Drew Hb-Gold
GIDGE		Dx Gen Epithod 616
GIEQL		EKF Quotient Quo-Lab A1c Test
GIQUOT		EKF Quotient Quo-Test A1c Test
GIEC		Erba-Chem EC-5
GIEHV		Erba Hb-Vario
GIEXL		Erba XL Series
GIFDE		Fortress Diagnostics Electalyte-500
GIFUR		Furuno CA-Series HbA1c
GIGEC		Gesan Chem 400
GIGRC		Green Cross M.S Greencare A1c
GIGAG		Goldsite A1C go analyser
GIGSH		Goldsite GSH-60
GIGNS		Goldsite Nephstar

CODE		METHOD
GIHEC		HemoCue HbA1c 501 Analyser
GIHIP		Hipro Latex-enhanced Turbidimetric
GIH7		Hitachi 7 series
GIH9		Hitachi 9 series
GIAG		HP Agilent 1100
GIHUM		Human Autohumalyser
GIHDH		Human Diagnostics HumaNex A1c
GIHME		Human HumaMeter A1c
GIIL		ILab 600/Monarch
GIIHB		Indvia Hb-one plus
GIIBQ		Inter Bio-lab iQ-A1c Plus
GIJEB		JEOL BM Test/Hitachi Chem. HbA1c
GIKON		Konelab 20/30/60 / Thermo Indiko
GIKK		Kinetic Kimya HbA1c 2A
GILLD		Labnovation LD-500
GILD6		Labnovation LD-600
GILD1		Labnovation LD-100/120/161
GILD5		Labnovation LD-560/561/563
GILBO		Lansion Bio HbA1c
GILFD		Life DX HbPRO
GILFT		Lifotronic GH900/900Plus
GILTA		LTA manual HbA1
GILDX		LumiraDx
GIMMQ		Medconn MQ-2000PT (HPLC)
GIMQ3		Medconn MQ-3000 (HPLC)
GIHBN		Menarini HB Next
GIMM		Merck Microlab
GIMER		Meriline GluQuant A1c
GIMR		Milton Roy, Spectronic
GIMIN		Mindray BS Series
GIMH50		Mindray H50/ H50P
GINYC		Nycocard Reader
GIOPQ		Optibio optical Q HbA1c
GIFUE		Ortho Vitros A1C1 (Enzymatic)
GIFUS		Ortho Vitros d%A1c
GIPPH		Paramedical PKL PPC 810HPLC
GIPH20		Prestige H-20 Analyser
GIRXD		Randox Rx HbA1c
GIRX2		Randox Rx HbA1c II
GICO3		Roche Cobas 4000 / c311
GICOB		Roche Cobas 6000 / 8000
GICO5		Roche Cobas c303/c503
GIR101		Roche Cobas b 101
GIRC53		Roche Cobas c513
GIMIR		Roche Cobas Mira
GIGDX		Roche GDx (Boronate Affinity)
GIINT		Roche Integra
GIMOP		Roche Modular P / Cobas c111
GISD		SD A1c Care
GISDF		SD Biosensor Standard F
GISC2		Sebia Capilarys / Minicap
GISL		Shenzhen Lifotronic HbA1c
GISL8		Shenzhen Lifotronic H8
GISAC		Siemens Atellica CH A1c_3
GISAE		Siemens Atellica CH A1c_E
GIA1C		Siemens/Bayer A1c Now Plus
GIADV		Siemens Advia CH A1c_3
GIADE		Siemens Advia CH A1c_E
GIRA		Siemens/Bayer RA50
GIDD		Siemens/Dade Dimension
GIDCA		Siemens DCA2000 / Vantage
GISBIO		Snibe Biosassys
GITCD		Teco Diagnostics Matrix
GITBS		Tokyo Boeki / Prestige 24i
GITOSA		TOSOH AIA Series
GITOS		TOSOH HLC723/G7/G8/GX/G11
GIPRI		Trinity Biotech Primus CLC385 / PDQ / Ultra 2

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RQ9129 - GLYCATED HAEMOGLOBIN ($HbA1_c$)

METHOD QUESTIONNAIRE

This programme is not suitable for use with instrument 611 - Axis-Shield Afinion

HbA1c results aligned to IFCC (mmol/mol)

CODE		METHOD
GITPR		Trinity/Menarini Premier Hb9210
GIUMA		UMA HbA1c II
GIFLX		Vitalab Flexor / Selectra
GIWFN		Wondfo finecare meter
GIZVT		Zivak Technologies HPLC

Other Methods - Please specify on the document

INSTRUMENT CODE	
REAGENT CODE	
OTHER UNITS, SPECIFY	

Total Hb results aligned to IFCC (g/dl)

CODE		METHOD
GIAER		Abbott Aeroset
GIARC		Abbott Architect c / Alinity c
GIARI		Abbott Architect i / Alinity i
GIPEN		ABX Pentra
GIACE		Alfa Wasserman ACE / spACE / NExCT
GIAMS		AMS Sat 450
GIHA		Arkray/Adams/Menarini A1c HA-8000 Series
GIAAC		Audicom AC 6000 Series
GIADV		Bayer ADVIA 1200/1650/1800/2400
GIOL		Beckman AU Instruments
GIDXC		Beckman DxC600/DxC800
GICX		Beckman Synchron CX 4 / 5 / 7 / 9
GILX		Beckman Synchron LX20 / PRO
GITEN		Biorad D-10
GIBRD		Biorad Diamat
GIDIA		Biorad Diastat
GIMIC		Biorad Micromat II
GIVA		Biorad Variant I
GIVA2		Biorad Variant II
GIB25		Biosystems A15 / A25
GIB200		BioSystems BA200
GIB400		BioSystems BA400
GIBTS		Biosystems BTS Series
GICC4		Ceragem Cera-Stat 4000
GICOR		Cormay Accent
GIDIN		Diasys Innovastar
GIDIR		DIRUI
GIDS5		Drew Ds5/G15
GIHBG		Drew Hb-Gold
GIQUOL		EKF Quotient Quo-Lab A1c Test
GIQUOT		EKF Quotient Quo-Test A1c Test
GIEC		Erba-Chem EC-5
GIEHV		Erba Hb-Vario
GIFDE		Fortress Diagnostics Electalyte-500
GIGEC		Gesan Chem 400
GIHEC		HemoCue HbA1c 501 Analyser
GIHIP		Hipro Latex-enhanced Turbidimetric
GIH7		Hitachi 7 series
GIH9		Hitachi 9 series
GIAG		HP Agilent 1100
GIHUM		Human Autohumalyser
GIIL3		ILab 300 Plus
GIIL		ILab 600 / 650 / Monarch
GIKON		Konelab 20/30/60 / Thermo Indiko
GILLD		Labnovation LD-500
GILFT		Lifotronic GH900/900Plus
GILDX		LumiraDx
GIMMQ		Medconn MQ2000PT HPLC
GIMM		Merck Microlab
GIMER		Meriline GluQuant A1c
GIMR		Milton Roy, Spectronic
GIMIN		Mindray BS Series
GIMH50		Mindray H50/H50P
GINYC		Nycocard Reader
GIFUS		Ortho Vitros d%A1c
GIRXD		Randox Rx Series
GICO3		Roche Cobas 4000 / c311
GICOB		Roche Cobas 6000 / 8000
GICO5		Roche Cobas c303/c503
GIRC53		Roche Cobas c513
GIMIR		Roche Cobas Mira
GIGDX		Roche GDx (Boronate Affinity)
GIINT		Roche Integra
GIMOP		Roche Modular P / Cobas c111
GISDF		SD Biosensor Standard F
GISC2		Sebia Capilarys / Minicap
GIADV		Siemens/Bayer ADVIA 1200/1650/1800/2400
GIRA		Siemens/Bayer RA50
GIDD		Siemens/Dade Dimension
GIDCA		Siemens DCA2000 / Vantage
GISBIO		Snibe Biosassys
GITBS		Tokyo Boeki / Prestige 24i
GITOSA		TOSOH AIA Series
GITOS		TOSOH HLC723/G7/G8/GX/G11
GIPRI		Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GITBT		Trinity Biotech Tri-stat
GITPR		Trinity/Menarini Premier Hb9210
GIFLX		Vitalab Flexor / Selectra
GIFLX		Vitalab Flexor / Selectra

Other Methods - Please specify on the document

INSTRUMENT CODE	
REAGENT CODE	
OTHER UNITS, SPECIFY	