

RIQAS

RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME

**METHOD QUESTIONNAIRE
GLYCATED HAEMOGLOBIN
(HbA_{1c}) PROGRAMME
RQ9129**

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

This document must be retained by participant

REGISTRATION INSTRUCTIONS & RIQAS POLICIES

CRITERIA FOR PARTICIPATION

This programme is available to any laboratory running 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.

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 RIQAS website (www.riqas.com). 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 on RIQAS enrolment documents, it is recommended that you state business contact details, rather than personal.

A. LABORATORY REFERENCE NUMBER

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

B. GROUP REPORTS

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

C. ORDER NUMBER

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

D. CYCLE/PRODUCT REQUIREMENTS

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

E. PRIMARY CONTACT DETAILS

It is important to state the full address details of the Quality Assessment Officer or contact person who will receive all correspondence and routine reports during the cycle. This is the address to which reports will be posted if you do not select an electronic correspondence method. Please also state the company name of the Randox representative who is supplying you with the RIQAS product under 'Randox Office/Distributor'

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

F. RIQASNet

RIQASNet is a web-based online method for result entry / method changes and additions of parameters / viewing of released reports. To access RIQASnet go to www.riqas.net. Internet access and login details are required for RIQASNet and Adobe Reader is required for viewing reports. If you wish to use RIQASNet please indicate this by ticking the box on the enrolment document. Your login information and password will be supplied by RIQAS. Your login information will be based on the 1st email address you supply on your enrolment document. A PDF copy of the report will be sent to this address and can also be sent to 2 other email addresses. These addresses should be stated on your enrolment document.

G. PDF REPORTS

Reports can now be sent as PDF files as an alternative to paper reports. These files can be sent to up to 3 email addresses. If you wish to receive PDF reports please indicate this by ticking the box on the enrolment document and include the email addresses to which the reports should be sent. Adobe Reader is required to view the reports.

H. SUMMARY CSV FILES

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

I. DECLARATION

The declaration indicates that you have read and understood the RIQAS policies in the most recent method questionnaire associated with the programme. The submission of the enrolment document to RIQAS, either directly or via your local Randox representative, represents your agreement for RIQAS to proceed with your registration, based on your completed enrolment document. Note: Method questionnaires are updated every month and the issue date is stated on every questionnaire and enrolment document.

J. REGISTRATION OF ASSAY DETAILS

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

Participants who do not wish to use RIQASNet at all will be sent a master return sheet which is specific for your registered parameters and units. You should photocopy this sheet as required and use it to return results to RIQAS.

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

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

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

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

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

K. UPDATING ASSAY DETAILS

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

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

Participants who use return sheets: Each Results Return Sheet has a section for method changes. Please state your new classification codes at the bottom of your next return sheet. We assume that your new classification will be in routine use from the date on the return sheet unless you tell us otherwise. If you have added or deleted a parameter, changed your unit or Vitros slide generation number, an updated return sheet will be forwarded to you. It is important that you discard your old return sheet and use only your updated copy for future returns.

L. ADDITION OF PARAMETERS / ASSAY DETAILS

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

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

ORDERING RIQAS PRODUCTS

Please ensure that your order is placed with your local Randox representative **at least 6-8 weeks** before 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 6 weeks of the start of the cycle will be processed, but RIQAS cannot guarantee delivery in time for the first sample. 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 receipt of your RIQAS kit, please check that:

- a) it is the product you ordered
- b) the kit contains detailed Instructions For Use (IFU), including material characteristics, preparation, stability, storage and safety
- c) the correct number of samples are present as indicated on the IFU
- d) 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. 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. We recommend using RIQASNet to return results. If returning results on return sheet, it is most important that your Laboratory Reference Number(s), cycle number, sample number and FINAL DATE for return of results are clearly written at the top of the return sheet. If you wish to fax your results please transmit them 3 working days before the FINAL DATE to + 44 (0) 28 9445 4398. You may also e-mail your results to mail@riqas.com. Please contact RIQAS for a RESULT RETURN SHEET template.

LATE AND CORRECTED RESULTS

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

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

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

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

LATE RESULTS

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

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

CORRECTED RESULTS

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

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

DESPATCH OF REPORTS

Results will normally be processed within 2 days of the FINAL DATE. PDF reports will be emailed the day after the results have been processed and for those registered for RIQASNet the PDF reports will be available on RIQASNet shortly after. Printed reports usually take a further 1-3 days to print and despatch.

END OF CYCLE REPORTS

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

USE OF RIQAS REPORTS

Participants have permission to make copies of their RIQAS reports for internal use and for regulatory purposes only. RIQAS reports must not be duplicated for external use without permission from the RIQAS Scheme Co-ordinator. Under no circumstances should information on RIQAS reports be taken out of context or falsified in any way.

CONFIDENTIALITY

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

GENERAL DATA PROTECTION REGULATION 2018

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

CERTIFICATES OF PARTICIPATION

Complimentary certificates of participation for each RIQAS programme are made available on RIQASNet to participants at the **end of the current cycle**, provided that **at least 50%** of results have been returned. Participants who enrol mid-cycle will be eligible for a Certificate of 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.

Please contact RIQAS at

Tel: +44 (0) 28 9445 4399

Fax: +44 (0) 28 9445 4398

E-Mail: mail@riqas.com

RIQAS Scheme Co-ordinator: Stephen Doherty

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

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



0010

RQ9129 - GLYCATED HAEMOGLOBIN (HbA_{1c})

METHOD QUESTIONNAIRE

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

HbA_{1c} results aligned to DCCT / NGSP (%)

CODE	METHOD	CODE	METHOD
GDAER	Abbott Aeroset	GDH9	Hitachi 9 series
GDARCA	Abbott Architect c (Direct Turbidimetric)	GDAG	HP Agilent 1100
GDARC	Abbott Architect c Systems	GDHUM	Human Autohumalyser
GDARI	Abbott Architect i Systems	GDHME	Human HumaMeter A1c
GDABX	Abbott Axsym	GDMIV	I.S.E. srl Mivra
GDPEN	ABX Pentra	GDIS	i-sens A1 Care
GDAMI	Agappe Mispa i2	GDIL3	Ilab 300 plus
GDAMI3	Agappe Mispa i3	GDIL	ILab 600/Monarch
GDACE	Alfa Wasserman ACE / spACE / NEXt	GDJEB	JEOL BM Test HbA1c
GDAMS	AMS Sat 450	GDKON	Konelab 20/30/60 / Thermo Indiko
GDANM	Analyticon Micro Column	GDLLD	Labnovation LD-500
GDAEA	ApexBio Eclipse A1c	GDLTA	LTA manual HbA1
GDHA	Arkray Menarini HA8121 / 8140 / 8160 / 8180	GDMMQ	Medconn MQ2000PT HPLC
GDAPC	Arkray PocketChem A1c	GDMM	Merck Microlab
GDAAC	Audicom AC 6000 Series	GDMR	Milton Roy, Spectronic
GDL	Beckman Coulter AU400/600/640/2700/5400	GDMIN	Mindray BS200/300/400
GDDXC	Beckman DxC600/DxC800	GDMH50	Mindray H50/ H50P
GDCX	Beckman Synchron CX4/5/7/9	GDNYC	Nycocard Reader
GDLX	Beckman Synchron LX20/PRO	GDFUS	Ortho Vitros 4600 / 5600 / 5.1 FS
GDBAH	Bioanalytic Diagnostic HbA1c	GDPH20	Prestige H-20 Analyser
GDBK	Biokit Quantex HbA1c	GDRXD	Randox Rx Series
GDTEN	Biorad D-10	GDCO3	Roche Cobas 4000 / c311
GDBOH	Biorad D-100	GDCOB	Roche Cobas 6000 / 8000
GDBRD	Biorad Diamat	GDRCS53	Roche Cobas c513
GDDIA	Biorad Diastat	GDMIR	Roche Cobas Mira
GDBI2	Biorad in2it	GDGDx	Roche GDx (Boronate Affinity)
GDMIC	Biorad Micromat II	GDINT	Roche Integra
GDVA	Biorad Variant I	GDMOP	Roche Modular P / Cobas c111
GDVAB	Biorad Variant II (Boronate Affinity)	GDS	SD A1c Care
GDVA2	Biorad Variant II (ion exchange)	GDSC2	Sebia Capillarys / Minicap
GDB25	Biosystems A15 / A25	GDSLH	Shenzhen Lifotronic H9
GDB400	BioSystems BA400	GDSL	Shenzhen Lifotronic HbA1c
GDBTS	Biosystems BTS Series	GDA1C	Siemens/Bayer A1c Now Plus
GDBMI	Boditech Med Inc i-CHROMA	GDADV	Siemens/Bayer ADVIA 1200/1650/1800/2400
GDCC4	Ceragem Cera-Stat 4000	GDRA	Siemens/Bayer RA50
GDCLC	Ceragem Labona Check	GDDD	Siemens/Dade Dimension
GDCA1	Clover A1c	GDDCA	Siemens DCA2000 / Vantage
GDCOR	Cormay Accent	GDS240	Spinreact Spintech 240
GDDIH	DiaSys HbA1c	GDTCD	Teco Diagnostics Matrix
GDDE	Diazyme Direct Enzymatic HbA1c	GDTBS	Tokyo Boeki / Prestige 24i
GDDU3	Dionex Ultimate 3000 LC system	GDTOSA	TOSOH AIA Series
GDDIR	DIRUI	GDTO2	TOSOH A1c 2.2 Plus
GDS360	Drew DS360	GDTOS	TOSOH HLC723 / G7 / G8 / GX
GDDS5	Drew DS5/G15	GDTRI	Trimarix HbA1c
GDGEC	Gesan Chem 400	GDPRI	Trinity Biotech Primus CLC385/PDQ/Ultra 2
GDHBC	Drew Hb-Gold	GDTBT	Trinity Biotech Tri-stat
GDEQL	EKF Quotient Quo-Lab A1c Test	GDTPR	Trinity/Menarini Premier Hb9210
GDQUOT	EKF Quotient Quo-Test A1c Test	GDVDH	Vital Diagnostics HbA1c direct
GDEC	Erba-Chem EC-5	GDFLX	Vitalab Flexor / Selectra
GDEHV	Erba Hb-Vario	GDZVT	Zivak Technologies HPLC
GDEXL	Erba XL Series		
GDFDE	Fortress Diagnostics Electalyte-500		
GDGNS	Goldsite Nephstar		
GDHEC	HemoCue Hb		
GDHIP	Hipro Latex-enhanced Turbidimetric		
GDH7	Hitachi 7 series		

Other Methods - Please specify on the document

INSTRUMENT CODE

REAGENT CODE

RQ9129 - GLYCATED HAEMOGLOBIN (HbA_{1c})

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	CODE	METHOD
GDAER	Abbott Aeroset	GDH7	Hitachi 7 series
GDARC	Abbott Architect c Systems	GDH9	Hitachi 9 series
GDARI	Abbott Architect i Systems	GDAG	HP Agilent 1100
GDABX	Abbott Axsym	GDHUM	Human Autohumalyser
GDPEN	ABX Pentra	GDIL3	ILab 300 plus
GDAMI	Agappe Mispa i2	GDIL	ILab 600/Monarch
GDAE	Alfa Wasserman ACE / spACE / NExCT	GDMIV	I.S.E. srl Mivra
GDAMS	AMS Sat 450	GDJEB	JEOL BM Test HbA1c
GDHA	Arkray Menarini HA8121/8140/8160/8180	GDKON	Konelab 20/30/60 / Thermo Indiko
GDAAC	Audicom AC 6000 Series	GDLLD	Labnovation LD-500
GDOL	Beckman Coulter AU400/600/640/2700/5400	GDMMQ	Medconn MQ2000PT HPLC
GDDXC	Beckman DxC600/DxC800	GDMM	Merck Microlab
GDCX	Beckman Synchron CX4/5/7/9	GDMR	Milton Roy, Spectronic
GDLX	Beckman Synchron LX20/PRO	GDMIN	Mindray BS200/300/400
GDTEN	Biorad D-10	GDMH50	Mindray H50/H50P
GDBRD	Biorad Diamat	GDNYC	Nycocard Reader
GDDIA	Biorad Diastat	GDFUS	Ortho Vitros 4600 / 5600 / 5.1 FS
GDMIC	Biorad Micromat II	GDRXD	Randox Rx Series
GDVA	Biorad Variant I	GDCO3	Roche Cobas 4000/c311
GDVAB	Biorad Variant II (Boronate Affinity)	GDCOB	Roche Cobas 6000 / 8000
GDVA2	Biorad Variant II (ion exchange)	GDRC53	Roche Cobas c513
GDB25	Biosystems A15 / A25	GDMIR	Roche Cobas Mira
GDB400	BioSystems BA400	GDGDx	Roche GDx (Boronate Affinity)
GDBTS	Biosystems BTS Series	GDINT	Roche Integra
GDCC4	Ceragem Cera-Stat 4000	GDMOP	Roche Modular P / Cobas c111
GDCOR	Cormay Accent	GDSC2	Sebia Capillarys / Minicap
GDDS5	Drew DS5/G15	GDADV	Siemens/Bayer ADVIA 1200 / 1650 / 1800 / 2400
GDHBG	Drew Hb-Gold	GDRA	Siemens/Bayer RA50
GDDIR	DIRUI	GDDD	Siemens/Dade Dimension
GDQUOL	EKF Quotient Quo-Lab A1c Test	GDDCA	Siemens DCA2000 / Vantage
GDQUOT	EKF Quotient Quo-Test A1c Test	GDTOSA	TOSOH AIA Series
GDEC	Erba-Chem EC-5	GDTOS	TOSOH HLC723 / G7 / G8 / GX
GDEHV	Erba Hb-Vario	GDPRI	Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GDFDE	Fortress Diagnostics Electalyte-500	GDTBT	Trinity Biotech Tri-stat
GDGEC	Gesan Chem 400	GDTPR	Trinity/Menarini Premier Hb9210
GDHEC	HemoCue Hb	GDVDH	Vital Diagnostics HbA1c direct
GDHIP	Hipro Latex-enhanced Turbidimetric	GDFLX	Vitalab Flexor / Selectra

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	CODE	METHOD
GIAER	Abbott Aeroset	GIH9	Hitachi 9 series
GIARC	Abbott Architect c Systems	GIAG	HP Agilent 1100
GIARI	Abbott Architect i Systems	GIHUM	Human Autohumalyser
GIPEN	ABX Pentra	GIHME	Human HumaMeter A1c
GIAMI	Agappe Mispa i2	GIIL	ILab 600/Monarch
GIAM3	Agappe Mispa i3	GIJEB	JEOL BM Test HbA1c
GIACE	Alfa Wasserman ACE / spACE / NExCT	GIKON	Konelab 20/30/60 / Thermo Indiko
GIAMS	AMS Sat 450	GILLD	Labnovation LD-500
GIANM	Analyticon Micro Column	GILTA	LTA manual HbA1
GIHA	Arkray Menarini HA8121/8140/8160/8180	GIMMQ	Medconn MQ2000PT HPLC
GIAAC	Audicom AC 6000 Series	GIMM	Merck Microlab
GIOL	Beckman Coulter AU400/600/640/2700/5400	GIMR	Milton Roy, Spectronic
GIDXC	Beckman DxC600/DxC800	GIMIN	Mindray BS200/300/400
GICX	Beckman Synchron CX 4 / 5 / 7 / 9	GIMH50	Mindray H50/ H50P
GILX	Beckman Synchron LX20 / PRO	GINYC	Nycocard Reader
GIBAH	Bioanalytic Diagnostic HbA1c	GIFUS	Ortho Vitros 4600 / 5600 / 5.1 FS
GIBK	Biokit Quantex HbA1c	GIPH20	Prestige H-20 Analyser
GITEN	Biorad D-10	GIRXD	Randox Rx Series
GIBOH	Biorad D-100	GICO3	Roche Cobas 4000 / c311
GIBRD	Biorad Diamat	GICOB	Roche Cobas 6000 / 8000
GIDIA	Biorad Diastat	GIRC53	Roche Cobas c513
GIBI2	Biorad in2it	GIMIR	Roche Cobas Mira
GIMIC	Biorad Micromat II	GIIDX	Roche GDx (Boronate Affinity)
GIVA	Biorad Variant I	GIINT	Roche Integra
GIVA2	Biorad Variant II	GIMOP	Roche Modular P / Cobas c111
GIB25	Biosystems A15 / A25	GISC2	Sebia Capilarys / Minicap
GIB400	BioSystems BA400	GISLH	Shenzhen Lifotronic H9
GIBTS	Biosystems BTS Series	GISL	Shenzhen Lifotronic HbA1c
GICC4	Ceragem Cera-Stat 4000	GIA1C	Siemens/Bayer A1c Now Plus
GICLC	Ceragem Labona Check	GIADV	Siemens/Bayer ADVIA 1200/1650/1800/2400
GICA1	Clover A1c	GIRA	Siemens/Bayer RA50
GIDIH	DiaSys HbA1c	GIDD	Siemens/Dade Dimension
GIDE	Diazyme Direct Enzymatic HbA1c	GIDCA	Siemens DCA2000 / Vantage
GIDU3	Dionex Ultimate 3000 LC system	GITCD	Teco Diagnostics Matrix
GIDIR	DIRUI	GITBS	Tokyo Boeki / Prestige 24i
GIDS360	Drew DS360	GITOSA	TOSOH AIA Series
GIDS5	Drew Ds5/G15	GITOS	TOSOH HLC723 / G7 / G8 / GX
GIHBG	Drew Hb-Gold	GIPRI	Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GIEQL	EKF Quotient Quo-Lab A1c Test	GITBT	Trinity Biotech Tri-stat
GIQUOT	EKF Quotient Quo-Test A1c Test	GITPR	Trinity/Menarini Premier Hb9210
GIEC	Erba-Chem EC-5	GIFLX	Vitalab Flexor / Selectra
GIEHV	Erba Hb-Vario	GIZVT	Zivak Technologies HPLC
GIEXL	Erba XL Series		
GIFDE	Fortress Diagnostics Electalyte-500		
GIGEC	Gesan Chem 400		
GIGNS	Goldsite Nephstar		
GIHEC	HemoCue Hb		
GIHIP	Hipro Latex-enhanced Turbidimetric		
GIH7	Hitachi 7 series		

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 IFCC (g/dl)

CODE	METHOD	CODE	METHOD
GIAER	Abbott Aeroset	GIH9	Hitachi 9 series
GIARC	Abbott Architect c Systems	GIAG	HP Agilent 1100
GIARI	Abbott Architect i Systems	GIHUM	Human Autohumalyser
GIPEN	ABX Pentra	GIIL3	ILab 300 Plus
GIACE	Alfa Wasserman ACE / spACE / NExCT	GIIL	ILab 600 / 650 / Monarch
GIAMS	AMS Sat 450	GIKON	Konelab 20/30/60 / Thermo Indiko
GIHA	Arkray Menarini HA8121/8140/8160/8180	GILLD	Labnovation LD-500
GIAAC	Audicom AC 6000 Series	GIMMQ	Medconn MQ2000PT HPLC
GIOL	Beckman Coulter AU400/600/640/2700/5400	GIMM	Merck Microlab
GIDXC	Beckman DxC600/DxC800	GIMR	Milton Roy, Spectronic
GICX	Beckman Synchron CX 4 / 5 / 7 / 9	GIMIN	Mindray BS200 / 300 / 400
GILX	Beckman Synchron LX20 / PRO	GIMH50	Mindray H50/H50P
GITEN	Biorad D-10	GINYC	Nycocard Reader
GIBRD	Biorad Diamat	GIFUS	Ortho Vitros 4600 / 5600 / 5.1 FS
GIDIA	Biorad Diastat	GIRXD	Randox Rx Series
GIMIC	Biorad Micromat II	GICO3	Roche Cobas 4000 / c311
GIVA	Biorad Variant I	GICOB	Roche Cobas 6000 / 8000
GIVA2	Biorad Variant II	GIRC53	Roche Cobas c513
GIB25	Biosystems A15 / A25	GIMIR	Roche Cobas Mira
GIB400	BioSystems BA400	GIGDX	Roche GDx (Boronate Affinity)
GIBTS	Biosystems BTS Series	GIINT	Roche Integra
GICC4	Ceragem Cera-Stat 4000	GIMOP	Roche Modular P / Cobas c111
GICOR	Cormay Accent	GISC2	Sebia Capilarys / Minicap
GIDIR	DIRUI	GIADV	Siemens/Bayer ADVIA 1200/1650/1800/2400
GIDS5	Drew Ds5/G15	GIRA	Siemens/Bayer RA50
GIHGB	Drew Hb-Gold	GIDD	Siemens/Dade Dimension
GIQUOL	EKF Quotient Quo-Lab A1c Test	GIDCA	Siemens DCA2000 / Vantage
GIQUOT	EKF Quotient Quo-Test A1c Test	GITBS	Tokyo Boeki / Prestige 24i
GIEC	Erba-Chem EC-5	GITOSA	TOSOH AIA Series
GIEHV	Erba Hb-Vario	GITOS	TOSOH HLC723 / G7 / G8 / GX
GIFDE	Fortress Diagnostics Electalyte-500	GIPRI	Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GIGEC	Gesan Chem 400	GITBT	Trinity Biotech Tri-stat
GIHEC	HemoCue Hb	GITPR	Trinity/Menarini Premier Hb9210
GIHIP	Hipro Latex-enhanced Turbidimetric	GIFLX	Vitalab Flexor / Selectra
GIH7	Hitachi 7 series	GIFLX	Vitalab Flexor / Selectra

Other Methods - Please specify on the document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY

EKF Quotient Quo-Lab A1c Test
EKF Quotient Quo-Test A1c Test

RQ9129 - GLYCATED HAEMOGLOBIN (HbA_{1c})

METHOD QUESTIONNAIRE

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

Non-aligned HbA_{1c} results (%)

CODE	METHOD	CODE	METHOD
GNAER	Abbott Aeroset	GNHUM	Human Autohumalyser
GNARC	Abbott Architect c Systems	GNHMT	Human Manual HbA _{1c} Test
GNARI	Abbott Architect i Systems	GNIL	ILab 600/Monarch
GNABX	Abbott Axsym	GNJEB	JEOL BM Test HbA _{1c}
GNPEN	ABX Pentra	GNKON	Konelab 20/30/60 / Thermo Indiko
GNAMI	Agappe Mispa i2	GNLLD	Labnovation LD-500
GNACE	Alfa Wasserman ACE / spACE / NExCT	GNLTA	LTA manual HbA ₁
GNAMS	AMS Sat 450	GNMMQ	Medconn MQ2000PT HPLC
GNANM	Analyticon Micro Column	GNMM	Merck Microlab
GNHA	Arkray Menarini HA8121/8140/8160/8180	GNMR	Milton Roy, Spectronic
GNAAC	Audicom AC 6000 Series	GNMIN	Mindray BS200 / 300 / 400
GNOL	Beckman Coulter AU400/600/640/2700/5400	GNNYC	Nycocard Reader
GNCX	Beckman Synchron CX 4 / 5 / 7 / 9	GNFUS	Ortho Vitros 4600 / 5600 / 5.1 FS
GNLX	Beckman Synchron LX20 / PRO	GNRXD	Randox Rx Series
GNBK	Biokit Quantex HbA _{1c}	GNCO3	Roche Cobas 4000 / c311
GNTEN	Biorad D-10	GNCOB	Roche Cobas 6000 / 8000
GNBOH	Biorad D-100	GNRC53	Roche Cobas c513
GNBRD	Biorad Diamat	GNMIR	Roche Cobas Mira
GNDIA	Biorad Diastat	GNGDx	Roche GDx (Boronate Affinity)
GNMIC	Biorad Micromat II	GNINT	Roche Integra
GNVA	Biorad Variant I	GNMOP	Roche Modular P / Cobas c111
GNVA2	Biorad Variant II	GNSC2	Sebia Capilarys / Minicap
GNB25	Biosystems A15 / A25	GNSLH	Shenzhen Lifotronic H9
GNB400	BioSystems BA400	GNSL	Shenzhen Lifotronic HbA _{1c}
GNBTS	Biosystems BTS Series	GNSPH	Shimadzu Prominence HPLC
GNCLC	Ceragem Labona Check	GNA1C	Siemens/Bayer A1C Now Plus
GNCA1	Clover A1c	GNADV	Siemens/Bayer ADVIA 1200/1650/1800/2400
GNCBS	Crest Biosystems Kit	GNEXP	Siemens/Bayer Express Plus
GNDE	Diazyme Direct Enzymatic HbA _{1c}	GNRA	Siemens/Bayer RA50
GNDU3	Dionex Ultimate 3000 LC system	GNDD	Siemens/Dade Dimension
GNDIR	DIRUI	GNDCa	Siemens DCA2000 / Vantage
GND55	Drew DS5 / G15	GNSPR	Spinreact
GNHBG	Drew Hb-Gold	GNSB	Stanbio
GNEC	Erba-Chem EC5	GNTCD	Teco Diagnostics Matrix
GNQUOL	EKF Quotient Quo-Lab A1c Test	GNTBS	Tokyo Boeki / Prestige 24i
GNQUOT	EKF Quotient Quo-Test A1c Test	GNTOSA	TOSOH AIA Series
GNEXL	Erba XL Series	GNTOS	TOSOH HLC723 / G7 / G8 / GX
GNFDE	Fortress Diagnostics Electalyte-500	GNPRI	Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GNGEC	Gesan Chem 400	GNBTB	Trinity Biotech Tri-stat
GNGET	Getein HbA _{1c}	GNTPR	Trinity/Menarini Premier Hb9210
GNGNS	Goldsite Nephstar	GNFLX	Vitalab Flexor / Selectra
GNHEC	HemoCue Hb	GNZVT	Zivak Technologies HPLC
GNHIP	Hipro Latex-enhanced Turbidimetric		
GNH7	Hitachi 7 series		
GNH9	Hitachi 9 series		
GNAG	HP Agilent 1100		

Other Methods - Please specify on the document

INSTRUMENT CODE

REAGENT CODE

RQ9129 - GLYCATED HAEMOGLOBIN (HbA_{1c})

METHOD QUESTIONNAIRE

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

Non-aligned Total Hb results (g/dl)

CODE	METHOD	CODE	METHOD
GNAER	Abbott Aeroset	GNAG	HP Agilent 1100
GNARC	Abbott Architect c Systems	GNHUM	Human Autohumalyser
GNARI	Abbott Architect i Systems	GNIL3	ILab 300 plus
GNPEN	ABX Pentra	GNIL	ILab 600 / 650 / Monarch
GNACE	Alfa Wasserman ACE / spACE / NExCT	GNKON	Konelab 20/30/60 / Thermo Indiko
GNAMS	AMS Sat 450	GNLLD	Labnovation LD-500
GNHA	Arkray Menarini HA8121 / 8140 / 8160 / 8180	GNMMQ	Medconn MQ2000PT HPLC
GNAAC	Audicom AC 6000 Series	GNMM	Merck Microlab
GNOL	Beckman Coulter AU400 / 600 / 640 / 2700 / 5400	GNMR	Milton Roy, Spectronic
GNCX	Beckman Synchron CX4 / 5 / 7 / 9	GNMIN	Mindray BS200 / 300 / 400
GNLX	Beckman Synchron LX20 / PRO	GNNYC	Nycocard Reader
GNTEN	Biorad D-10	GNFUS	Ortho Vitros 4600 / 5600 / 5.1 FS
GNBRD	Biorad Diamat	GNRXD	Randox Rx Series
GNDIA	Biorad Diastat	GNCOB	Roche Cobas 6000 / 8000
GNMIC	Biorad Micromat II	GNRC53	Roche Cobas c513
GNVA	Biorad Variant I	GNMIR	Roche Cobas Mira
GNVA2	Biorad Variant II	GNGDX	Roche GDx (Boronate Affinity)
GNB25	Biosystems A15 / A25	GNINT	Roche Integra
GNB400	BioSystems BA400	GNMOP	Roche Modular P / Cobas c111
GNBTS	Biosystems BTS Series	GNSC2	Sebia Capilarys / Minicap
GNCOR	Cormay Accent	GNSPH	Shimadzu Prominence HPLC
GNCBS	Crest Biosystems kit	GNDCA	Siemens DCA2000 / Vantage
GNDIR	DIRUI	GNADV	Siemens/Bayer ADVIA 1200 / 1650 / 1800 / 2400
GNDS5	Drew DS5 / G15	GNEXP	Siemens/Bayer Express Plus
GNHBG	Drew Hb-Gold	GNRA	Siemens/Bayer RA50
GNQUOL	EKF Quotient Quo-Lab A1c Test	GNDD	Siemens/Dade Dimension
GNQUOT	EKF Quotient Quo-Test A1c Test	GNSPR	Spinreact
GNEC	Erba-Chem EC5	GNTBS	Tokyo Boeki/Prestige 24i
GNFDE	Fortress Diagnostics Electalyte-500	GNTOSA	TOSOH AIA Series
GNGEC	Gesan Chem 400	GNTOS	TOSOH HLC723 / G7 / G8 / GX
GNHEC	HemoCue Hb	GNPRI	Trinity Biotech Primus CLC385 / PDQ / Ultra 2
GNHIP	Hipro Latex-enhanced Turbidimetric	GNTBT	Trinity Biotech Tri-stat
GNH7	Hitachi 7 series	GNTPR	Trinity/Menarini Premier Hb9210
GNH9	Hitachi 9 series	GNFLX	Vitalab Flexor / Selectra

Other Methods - Please specify on the document

INSTRUMENT CODE

REAGENT CODE

OTHER UNITS, SPECIFY