The history of Randox is one of ambition, innovation and commitment to improving health worldwide. We firmly believe that the healthcare of tomorrow depends on the innovations developed today.

We are advancing the cutting-edge science and technologies that hold the key to groundbreaking improvements in health and the practice of healthcare worldwide. Through a heavily committed research and development programme we continue to offer revolutionary products and solutions specifically designed to provide more efficient, higher quality, and reliable results in the widest variety of laboratory settings.

Improving patient care is our passion. We continually look to develop future innovations believing it is critical to deliver world class healthcare solutions right now. Our commitment to transforming the lives of the patient is matched by our determination to develop new and exciting breakthroughs in science, technology and engineering. From reagents to quality controls, forensic toxicology to food diagnostics, workplace drug testing to sexual and general health, Randox cultivates lasting relationships with you, our customers, to improve patient outcomes quickly, accurately and efficiently.

We are a world leader in the in-vitro diagnostics industry with over 35 years’ experience. Our products offer clinicians and physicians the most comprehensive insight into patient diagnosis allowing for more effective disease management and treatment. Our innovations are not a result of accepting the status quo but rooted in our dedication to science and our goal to improving health worldwide.

Product Portfolio

• Qnostics molecular infectious disease controls
• QCMD molecular infectious disease EQA
• Acusera quality controls and calibrators
• Acusera 24•7 - Peer group reporting
• RIQAS - Randox International Quality Assessment Scheme
• Diagnostic reagents
• Biosciences
• RX series of clinical chemistry analysers
• Evidence series of immunoanalysers
• Biochip Array Technology - Cutting-edge multiplex testing capabilities
COMPLETE QC SOLUTIONS FOR RESULTS YOU CAN TRUST

TRUE THIRD PARTY CONTROLS

As a world leading manufacturer of multi-analyte true third party controls, thousands of laboratories rely on Randox to accurately assess test system performance and ultimately empower them with the confidence required to release patient test results. With more than 390 analytes available, the number of individual controls required to cover your test menu is significantly reduced while simultaneously reducing costs, time and storage space. A choice of formats is available, including liquid or lyophilised, which ensures flexibility and suitability for laboratories of all sizes and budgets. Many features of the Acusera range can help you to meet ISO 15189 : 2012 requirements:

- Designed to react to the test system in the same manner as a patient sample, helping to reduce inconvenient shifts in QC results when reagent batch is changed and ultimately providing a true indication of laboratory performance.

- The presence of analytes at key decision levels ensures accurate instrument performance and eliminates the need for additional low / high controls at extra expense.

- Manufactured independently from any instrument, the Acusera range delivers unbiased performance assessment with any instrument or method, while eliminating the need for multiple instrument specific controls.

PRODUCT PORTFOLIO

- Antioxidants
- Blood Gas
- Cardiac Markers
- Clinical Chemistry
- Coagulation
- Diabetes
- Haematology
- Immunoassay
- Immunology / Proteins
- Lipids
- Speciality / Research
- Therapeutic Drugs
- Toxicology
- Urinalysis
- Urine Chemistry
Online QC software with real-time peer group statistics

Designed for use with the Acusera range of third party controls, the Acusera 24•7 data management software helps laboratories monitor and interpret their QC data. Access to an impressive range of features, including interactive charts, the automatic calculation of Measurement Uncertainty & Sigma Metrics and live peer group data generated from our extensive database of laboratory participants, ensures Acusera 24•7 is the most comprehensive package available.

• Advanced statistical analysis with automatic calculation of performance metrics including: Sigma, UM, TE & %Bias.

• Instantly discover how you compare to your peers with peer group statistics updated live in real-time reducing time and money spent troubleshooting.

• Interactive charts allowing you to add events and multiple data sets for quick and easy performance monitoring.

• Automated data import with bi-directional connection to LIMS (eliminating manual data entry).

• Flexible software packages are available, ranging from basic to advanced. This flexibility ensures we have a solution for every laboratory.

Software Features

• Dashboard
• Result History
• Interactive Levey-Jennings Charts
• Interactive Histogram Charts
• Performance Summary Charts
• Statistical Analysis Report

• Statistical Metrics Report
• Uncertainty of Measurement Report
• Exception Report
• Peer Group Statistics
• Acusera Advisor
• Audit Trail Report
Boasting over 45,000 participants and more than 360 parameters across 33 comprehensive & flexible EQA programmes, RIQAS is the largest international EQA scheme. Designed to cover all areas of clinical testing, each of our multi-analyte programmes is designed to reduce the number of individual programmes required saving precious laboratory time and money. In addition, each programme benefits from a wide range of concentrations, frequent reporting, rapid feedback and informative yet user-friendly reports.

- Programmes accredited to ISO / IEC 17043 helping laboratories to meet ISO 15189:2012 requirements.
- Simple one page per parameter report format enables at-a-glance performance assessment saving time spent analysing results.
- Rapid report turnaround within 72 hours from the submission deadline ensures any corrective actions can be taken quickly, minimising the number of sample repeats required.
- Laboratories can register up to 5 instruments per programme at no extra cost and receive a complimentary multi-instrument report for comparative performance assessment.

### Product Portfolio

- Ammonia / Ethanol
- Anti-TSH Receptor
- Blood Gas
- BNP
- Cardiac
- Cerebrospinal Fluid (CSF)
- Coagulation
- CO - Oximetry
- CYFRA 21-1
- ESR
- General Clinical Chemistry
- Haematology
- HbA1c
- Human Urine
- Immunoassay
- Immunoassay Speciality 1
- Immunoassay Speciality 2
- Immunosuppressant
- Lipid
- Liquid Cardiac
- Maternal Screening
- Serology EBV
- Serology HIV-Hepatitis
- Serology Syphilis
- Serology ToRCH
- Specific Proteins
- Sweat Testing
- Therapeutic Drugs
- Trace Elements in Blood
- Trace Elements in Serum
- Trace Elements in Urine
- Urinalysis
- Urine Toxicology
QNOSTICS

Molecular controls for infectious disease testing

Designed to meet the demand of today’s molecular diagnostics laboratory, the Qnostics molecular infectious disease range comprises hundreds of characterised viral, bacterial and fungal targets. The Qnostics portfolio covers a wide range of Transplant Associated Diseases, Respiratory Infections, Blood Borne Viruses, Sexually Transmitted Infections, Gastrointestinal Diseases and Central Nervous System Diseases.

- As whole pathogen controls, the Qnostics range is designed to mimic the performance of patient samples and can be used to effectively monitor the entire testing process including extraction, amplification and detection.

- All controls are true third party and therefore deliver an independent, unbiased assessment of assay performance.

- All samples are supplied in a liquid frozen format meaning there is no additional preparation required.

QCMD

Molecular EQA for infectious disease testing

As a world leading External Quality Assessment (EQA) / Proficiency Testing (PT) scheme, QCMD is dedicated to improving the quality of molecular diagnostic assays used in the detection of infectious diseases.

An extensive database of over 2,000 participants in over 100 countries, further highlights that QCMD is one of the largest providers of molecular EQA in the infectious disease testing field.

- A variety of programme options are available. Choose the option that best suits your laboratory’s needs.

- Receive individual reports for each challenge and a final supplementary report at the end of the cycle for visual assessment of performance.

- QCMD IT EQA Management System (ITEMS) provides an online tool to easily manage all EQA activities - different levels of user access are available.

- Programme portfolio includes Central Nervous System Diseases, Drug Resistance, Gastrointestinal Diseases, Respiratory Diseases, Serology, Sexually Transmitted Diseases, Transplant Associated Diseases and more.
Randox has been providing laboratories with revolutionary diagnostic solutions for over 35 years. Our experience and expertise has facilitated the creation of a leading product portfolio of third party diagnostic reagents which are internationally recognised as being of the highest quality, offering reliable and rapid diagnosis.

Randox offers an extensive test menu of over 100 clinical assays, covering over 100 disease markers including: antioxidants, cardiac markers, diabetes, drugs of abuse testing, lipids, specific proteins, therapeutic drug monitoring and veterinary testing.

Furthermore, at Randox we are dedicated to advancing biochemistry testing. We re-invest significantly in research and development to ensure we meet the ever-changing needs of the laboratory. Consequently, Randox have manufactured a number of superior performance and niche assays including: 5th Generation Bile Acids, Adiponectin, Copper, Cystatin C, D-3-Hydroxybutyrate, G6PDH, H-FABP, Lipoprotein(a), Non-Esterified Fatty Acids (NEFA), HDL2 / 3 Cholesterol, sdLDL Cholesterol, Total Antioxidant Status, TxBCardio™ and Zinc.

Product Portfolio

- Antioxidants
- Cardiac Markers
- Clinical Chemistry
- Diabetes
- Drugs of Abuse Testing
- Lipids
- Rapid Tests / Serology
- Specific Proteins
- Therapeutic Drug Monitoring
- Veterinary Testing
In addition to offering an unrivalled range of chemistries, Randox reagents offer users further beneficial features including:

- Easy-read reagents are packaged in dedicated bottles and barcoded for use on specific analysers, removing the need for any additional steps to be completed.

- Easy-fit reagents are presented in bottles designed to fit a wide range of biochemistry analysers. These reagents are used in conjunction with validated analyser applications to ensure ease of programming.

- Wide range of reagent formats and methods available ensuring individual user requirements are met.

- Randox is committed to excellence in the development of assays with Randox Reagents displaying minimum lot-to-lot variability in performance.

- Excellent correlation to reference methods providing proof of quality and confidence in testing with Randox Reagents.
Randox Biosciences supply bespoke diagnostic solutions and quality raw materials to the academic, biopharma and clinical laboratory industries. We specialise in the development of products from an ever expanding test-menu of over 300 protein biomarkers that utilises our multiplex Biochip Array Technology to provide testing solutions in a rapid, accurate, easy to use format delivered through our Evidence series of analysers. In addition to this bespoke service we also offer a range of molecular products that provide diagnostic, prognostic and predictive solutions across a variety of disease areas.

Our in-house product development and Clinical Laboratory Service has enabled Randox Biosciences to partner globally with the pharmaceutical industry on a broad range of Companion Diagnostic (CDx) projects. With over 220 FDA cleared and over 700 CE marked assays, we offer the full package of diagnostic and CDx assay development, optimisation and regulatory approval.

Accelerating drug and assay development, through the supply of quality raw materials, is at the core of Randox Biosciences’ ambition to improve health worldwide. Our extensive range of antibodies, recombinant proteins and antibody fragments, tailored and available for use in diagnostic products, demonstrates our ability to support the requirements of the biopharmaceutical industry and academic centres globally, ensuring time and cost savings in drug development.

Principal specialities & therapeutic areas

- Cardiovascular / Cerebrovascular
- Metabolic / Nutrition
- Immunology
- Oncology
- Endocrinology
- Rheumatology
- Nephrology
- Neuroscience
- Pulmonary / Respiratory
- Infection
Academic Research

Randox Biosciences offers a comprehensive range of technologies and solutions for Academic Research to become more efficient, cost effective and accurate. These technologies, coupled with Randox’s excellent support, ensure you receive consistent results with a high level of accuracy.

Our manufacturing capabilities ensure flexibility when adapting to the methods of your research project. Therefore, whatever disease area you are researching, we can provide you with a full range of arrays, biomarkers and analysers that will best fit your individual requirements.

Biopharma

As an established IVD company, Randox Biosciences offers tailored diagnostic solutions to support faster, more effective and safe development of new drugs. We have a wide range of in house capabilities, ranging from the selection and patenting of novel Biomarkers; manufacture of bio reagents; production of single and multiplex IVD grade tests; quality control; provision of clinical laboratory services; regulatory expertise and worldwide distribution.

Clinical Laboratory

Clinical laboratories perform diagnostic testing utilising material directly obtained from the patient such as whole blood, serum, plasma, saliva, sputum, swab samples and cerebral spinal fluid to determine what infection or illness is effecting their health. Randox Biosciences offers diagnostic solutions covering a variety of disease areas including infectious disease, inherited diseases, mutation analysis and SNP genotyping.

Bio Reagents

Randox Bio Reagents have been developing and manufacturing antibodies, proteins and conjugates for over 35 years for use in Randox Laboratories diagnostic kits. We have a wide range of polyclonal and monoclonal antibodies, antibody fragments including sdAb’s, scFv’s and fAb’s, recombinant proteins and conjugates. A custom development service is also available for all raw materials on our extensive reagent test menu; these can be utilised through our dedicated RX range of clinical analysers.
RX SERIES

MAXIMISE YOUR LABORATORY’S CLINICAL CHEMISTRY TESTING WITH THE RX SERIES

Renowned for quality and reliability, the RX series test menu is world leading, comprising an extensive range of high quality diagnostic reagents including routine chemistry, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants and diabetes testing.

With a range of semi-automated and automated analysers, the RX series offers versatility to suit the needs of all laboratory requirements to guarantee real cost savings through consolidation of routine and specialised tests onto one single platform.

With five reliable platforms on which to base your laboratory analysis and placements in over 120 countries worldwide, the RX series continues to revolutionise a variety of laboratory types including:

• Clinical Laboratories
• Hospital Laboratories
• University & Education Institutes
• Research Laboratories
• Veterinary Laboratories
• Food and Wine Laboratories

The RX series extensive dedicated test menu of high quality reagents guarantees excellence in patient care ensuring unrivalled precision and accuracy reducing costly test re-runs or misdiagnosis and offering complete confidence in results.

Benefits of the RX series

• Extensive dedicated test menu
• Low sample volumes
• Dedicated RX support team
• Enhanced productivity
• User-friendly software
• Unrivalled efficiency
RX misano
A semi-automated clinical chemistry analyser with increased auto functionality

The RX misano is a smart, semi-automated analyser that boasts intuitive user-friendly software developed to ensure accurate testing with features such as; automatic flagging of errors, advanced QC software and simple on-screen maintenance instructions. This analyser is an extremely flexible solution for laboratories with low volume testing requirements as our extensive test menu allows laboratories to carry out a large number of tests on one compact system, providing consolidation opportunities and real cost savings.

RX monaco
A fully automated clinical chemistry analyser with unrivalled performance

Capable of carrying out 170 tests per hour, the RX monaco guarantees unrivalled performance, providing cost-effective, high quality testing for small to mid-volume laboratories. This fully automated analyser can be easily integrated into any laboratory setting with the option of a floor standing unit if benchtop space is limited.

RX daytona+
Rapid, comprehensive clinical chemistry testing on a fully automated analyser

The RX daytona+ is a fully automated, random access, bench top clinical chemistry analyser capable of performing routine and specialised testing as well as emergency STAT sampling and direct HbA1c analysis. With a throughput of 450 tests per hour including ISE, the RX daytona+ offers a high performance, fully automated solution for mid-volume clinical chemistry testing. With intuitive icon-based software, the RX daytona+ is the only analyser in its class with a sample clot detection sensor ensuring efficiency, precision and accuracy.

RX imola
A compact fully automated solution for high quality clinical chemistry testing

The RX imola combines superior quality, intuitive software, minimal maintenance and direct HbA1c testing capabilities for increased productivity and reduced downtime for rapid comprehensive testing. This compact, fully automated benchtop analyser is capable of handling the workload of a medium to high throughput laboratory, with a throughput of 560 tests per hour including ISE.

RX modena
A superior, high volume clinical chemistry analyser

Capable of running up to 1,200 tests per hour, with direct HbA1c testing capabilities, the RX modena consolidates all your assay requirements onto one intuitive platform. This high throughput analyser has a continuous loading hatch allowing emergency samples to be analysed quickly and easily during run. The operating system utilises a modern touchscreen interface and Windows icon based software.
In 2002, Randox invented a world first, Biochip Array Technology, instantly changing the landscape of diagnostic testing forever. Biochip Array Technology is a multi-analyte platform which provides an unrivalled increase in patient information per sample.

Biochip Array Technology is a precision multiplex testing platform allowing for the simultaneous quantitative and qualitative detection of a wide range of analytes from a single sample.

Biochip Array Technology uniquely offers immunoassay diagnostic testing for simultaneous multi-analyte biomarker detection. After the addition of a single patient sample to the biochip, analytes present in the sample bind to the specific biochip bound ligands. The degree of binding is determined using a chemiluminescent light source and quantified using a Charge Coupled Device (CCD) camera and imaging system.

Instead of a patient sample needing to be subdivided for each test result, or in some cases re-collected, Biochip Array Technology offers a diagnostic patient profile with each patient sample. So now the patient’s needs become the focus, as Biochip Array Technology delivers the multiple results needed for improved diagnosis.

Evidence Series Immunoanalysers

With over £250 million invested into Biochip Array Technology research and development, Randox have launched a range of Biochip Array Technology immunoanalysers - The Evidence series. This includes the new Evidence+, Evidence, the Evidence Evolution, the Evidence Investigator and the Evidence MultiSTAT. Each analyser is developed with boundary pushing engineering, designed to make financial, labour and time savings for the end user.

Applications

- Clinical Diagnostics
- Drug Development
- Molecular Research and Diagnostics
- Forensic Toxicology
- Food Diagnostics for the presence of veterinary residues
- Academic Research
- Veterinary Testing
**Evidence+**
The fully automated Evidence+ analyser is set to truly revolutionise laboratories worldwide.

Continuing to provide high standards of quality, efficiency and reliability, the fully automated batch immunoanalyser simultaneously detects multiple drugs and drug metabolites from a single sample. The Evidence+ analyser enables both efficient and cost-effective testing whilst providing accurate and reliable results to larger high throughput laboratories.

**Evidence Evolution**
World’s Most Advanced Immunoassay Analyser

The Evidence Evolution opens up a new chapter in diagnostic testing. With a capability of processing up to 44 results from a single sample and a maximum throughput of up to 2640 tests per hour, the Evidence Evolution guarantees to deliver more results, faster and more economically than its predecessors. This rapid, but thorough testing has only been possible through progressive engineering and a culture of constant innovation.

**Evidence**
World’s First Biochip Array Technology Analyser

The Evidence is the first analyser in the Evidence Series that makes use of our patented Biochip Array Technology. This ground-breaking piece of technology paved the way for the rest of the series and set new standards in quality, efficiency and reliability. The fully automated system is designed to maximise walk-away time, and with a throughput of up to 3960 tests per hour, the Evidence is unrivalled in a large laboratory setting.

**Evidence Investigator**
Adaptable, Efficient & Comprehensive

The Evidence Investigator offers complete sample profiling with the most comprehensive test menu on the market. The Evidence Investigator allows simultaneous detection of up to 44 analytes from a single sample, offering laboratories increased efficiency without sacrificing accuracy. With a throughput of up to 2376 tests per hour, the Evidence Investigator is uniquely designed for fast and accurate batch analysis.

**Evidence MultiSTAT**
Fast, Fully Automated & Versatile

The Evidence MultiSTAT is a fully automated immunoanalyser that enables on-site simultaneous detection of up to 44 analytes from a single sample. It requires a small sample volume and generates results in 18 minutes. Toxicology testing can be done on blood, urine and oral fluid as well as detection of contaminants from raw milk samples in the dairy industry. This versatile immunoanalyser offers one million possible combinations for analysis, delivering fast, accurate analysis with results for the most extensive test menu on the market.