Renowned for quality and reliability, the RX series leads the way with the world's most extensive dedicated clinical chemistry test menu comprising routine chemistries, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants, veterinary and diabetes testing. Guaranteeing real cost savings through consolidation of routine and specialised tests onto a single platform. The RX series analysers deliver excellence in patient care, offering unrivalled precision with excellent reagent CV ranges, providing laboratories with the upmost reliability, analyser uptime and accuracy of patient results.

With our extensive test menu and versatile range of analysers, the RX series presents the ultimate in performance, functionality and efficiency with testing capabilities to suit all laboratory sizes and types. Renowned for robust hardware and intuitive software, the RX series continues to revolutionise testing in a variety of laboratory types including: Clinical Laboratories, University & Research Institutes, Veterinary Laboratories and Food & Wine Testing Laboratories.

The RX misano has been developed with the user in mind by incorporating a responsive touch-screen display. The sleek ergonomic design boasts intuitive user-friendly software allowing for test menu personalisation and ease of use. The RX misano is capable of high standard, precise results at a competitive price per test.

The RX monaco is a fully automated solution for low to mid volume clinical chemistry testing offering the ultimate in convenience, performance and confidence. At optimal configuration, the RX monaco performs 170 tests per hour providing cost effective, high quality testing.
RX DAYTONA+

The RX daytona+ is a fully automated, benchtop, clinical chemistry analyser capable of performing high quality testing, with a combined throughput of 450 tests per hour, for accurate results you can trust. The most versatile analyser in its class, the RX daytona+ combines robust hardware and intuitive software with the world leading RX series test menu for unrivaled performance, with direct HbA1c testing capabilities.

RX IMOLA

The RX imola is a cost effective system that delivers consistent high quality results. Capable of handling the workload of a medium to high throughout laboratory and a combined throughput of 560 tests per hour, the RX imola provides rapid, comprehensive testing on a small footprint analyser when it matters most, with direct HbA1c testing capabilities.

RX MODENA

Capable of performing up to 1,200 tests per hour, with direct HbA1c testing capabilities, the RX modena consolidates all your assay requirements onto one intuitive platform. The RX modena boasts icon based, interactive touch-screen technology adding a modern flair to your laboratory.
RX MISANO

A HIGH PERFORMANCE, SEMI-AUTOMATED CLINICAL CHEMISTRY ANALYSER

WORLD LEADING SEMI-AUTOMATED TEST MENU
The RX misano is capable of high standard, precise results at a competitive price per test expanding testing capabilities with the ability to perform both routine and specialised tests including chemistries, specific proteins, antioxidants, veterinary and diabetes testing, analysing a variety of sample types, including; Serum, Plasma, Urine & Wine.

EXCELLENCE IN CLINICAL CHEMISTRY
The RX misano shines a new light on semi-automated clinical chemistry testing with increased auto-functionality and groundbreaking technology. Revolutionising the RX series with its bold look, innovative design, and outstanding performance, it sets the benchmark for the next generation of the RX series clinical chemistry analysers.

Optimum Performance
- Automatic flagging of errors ensures timely troubleshooting for accurate results
- Advanced QC software allowing performance to be monitored
- Advanced password protection function ensures confidentiality of results, 3 user levels are available allowing user defined access
- Built in humidity and temperature sensors
- One year warranty as standard with unrivalled technical support from Randox

Excellent Functionality
- Intuitive icon based software and touch-screen technology for ease of use
- Multiple languages available for extra convenience if required
- Minimal maintenance required with on-screen instructions to guide the user

Flexible & Efficient
- Extremely small footprint, takes up minimal space in the laboratory and is easily transported
- Minimal training is required, highlighting ease of use
- Up to 10 wavelengths can be generated via solid state filter device (340 - 700nm standard)
- Can be used across multiple matrices

ORDERING INFORMATION
RX misano analyser RX6015
RX misano analyser with printer RX6016
RX misano cuvette incubator A702 - 496

To find out more visit randox.com/rx-misano
Cuvettes & Flow Cell
Option to run flow cell or cuvette mode ensures a maximum number of chemistries can be performed on one system. Flow cell washing avoids contamination ensuring accurate results are produced.

USB Port
USB port for exporting patient, QC and calibration results. This enables the user to quickly export results from the analyser and convert into CSV format. An optional on-board printer is available for laboratories that prefer to directly print results from the analyser.

LCD Touch-Screen Display
Quality display on a large 7” LCD touch-screen, responsive even when wearing lab gloves. Simple on-screen icon based navigation allows the user to efficiently complete their testing with minimal effort.

Advanced Password Protection
Advanced password protection function for analyser setup, assay management and QC result inclusion/exclusion. This gives laboratories confidence that their results are well protected on this system and only those who are authorised can gain access.
The RX monaco comprises an extensive test menu covering routine chemistries, specific proteins, lipids, antioxidants, diabetes and veterinary testing with emergency and STAT sampling. The RX monaco is ideal for low to mid volume clinical chemistry testing consolidating routine and specialised testing onto one efficient and easy to use platform.

EXCELLENCE IN CLINICAL CHEMISTRY

Offering the ultimate in convenience, performance and confidence, the RX monaco is capable of performing 170 photometric tests per hour. The RX monaco combines robust hardware and intuitive software offering customers choice to suit their unique circumstances, where they can choose between a benchtop or floor standing system.

Optimum Performance

- Built in inventory management system automatically reports remaining reagent volume
- Sample volume of just 3 - 35μl (0.1μl increments) with a sample dead volume of 100μl
- Cuvette check function ensures only clean reaction vessels are used
- Low water consumption of 5.5 litres per hour at maximum throughput
- 12 wavelength options ranging from 340 - 800nm
- One year warranty as standard with unrivalled technical support from Randox

Excellent Functionality

- User friendly Windows® 10 based software with integrated barcode readers for samples and reagents. 3 levels of password protection available enabling different levels of access
- Generation of Levey-Jennings charts, calibration curves and QC statistics
- Variety of calibration options include 1 point, 2 point, multi-point & non-linearity methods with user defined QC multi-rules
- Low maintenance required providing laboratories with maximum uptime

Flexible & Efficient

- Cost savings through consolidation of routine and niche tests on a single platform
- The RX monaco will reduce costly test re-runs and potential misdiagnosis
- Available as a bench top or floor standing model depending on laboratory requirements
- Unrivalled performance with excellent correlation to gold standard methods

ORDERING INFORMATION

RX monaco analyser (benchtop) RX5000
RX monaco analyser (with stand) RX5001

To find out more visit randox.com/rx-monaco
Sample Carousel
The RX monaco comprises a shared cooled reagent and sample carousel with 66 user defined positions, ensuring reagents, controls and calibrators can be stored on-board the analyser without compromising stability.

Wash Station
A thorough 12 stage washing process with acid, alkali and pure water wash steps helps minimise contamination. The on-board cuvette checking function ensures only clean reaction vessels are used. The stirring system is rinsed with purified water to reduce carryover.

Reaction Carousel
The reaction carousel contains 120 semi-permanent optical plastic cuvettes and boasts an impressive 15 second cycle time. The reaction temperature is controlled by a water bath with each cuvette washed after use through a robust 12 step washing process.

Pipette
Single reagent and sample pipette with liquid level detection and collision protection which is rinsed inside and out after use with warm water.

Mixing System
The on-board mixing system comprises a variable 5-speed stirrer with Teflon coating to provide optimum mixing of the reaction solution. The stirrer is automatically rinsed with purified water to reduce the risk of carryover.
RX DAYTONA+

EXTENSIVE DEDICATED TEST MENU

Comprising the RX series world leading test menu, the RX daytona+ performs a wide range of niche and specialised routine chemistries, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants, diabetes and veterinary testing. The RX daytona+ also has Direct HbA1c testing capabilities, requiring no sample pre-dilution, saving time in the laboratory. The RX daytona+ has the capability of analysing a variety of sample types including Serum, Plasma and Urine.

EXCELLENCE IN CLINICAL CHEMISTRY

The RX daytona+ is a fully automated, random access platform delivering a high level of precision, accuracy and reliability with the ability to perform emergency STAT sampling. The most versatile analyser in its class, the RX daytona+ is capable of performing 270 photometric tests per hour and up to 450 with ISE testing.

Optimum Performance

- Built in inventory management system reporting remaining reagent volume with an integrated barcode reader for reagent and sample identification
- Standard and paediatric sample cups can be used with a dead volume of 150µl for standard samples and 100µl for paediatric samples
- Sample volume of just 1.5µl (0.1µl increments)
- One year warranty as standard with unrivalled technical support from Randox
- 12 wavelength options ranging from 340-800nm
- Low water consumption of 5 litres per hour

Excellent Functionality

- User friendly Windows® 10 based software with 3 levels of password protection available
- Generation of Levey-Jennings charts, calibration curves, QC statistics and the ability to view QC history
- Calibration options include: Factor, Linear, Point to point, Log-logit, Exponential, Spline and Spline 2
- Providing laboratories with maximum uptime

Flexible and Efficient

- Consolidation of a wide variety of routine and specialised tests onto a single platform
- Unrivalled performance with excellent correlation to gold standard methods
- Option to use ISE for the measurement of sodium, potassium and chloride electrolyte testing

ORDERING INFORMATION

RX daytona+ with ISE  RX4040
RX daytona+ without ISE RX4041

To find out more visit randox.com/rx-daytona-plus
Reagent Carousel
50 reagent positions for 70ml and 20ml bottles, all cooled between 8 - 15°C. Automatic barcode identification ensures smooth recognition of reagents. Dedicated reagents are available from Randox.

Mixing Systems
Equipped with dual 5 speed stirrers. The option of different mixing speeds ensures each reagent and sample are at optimum viscosity to enable accurate and precise measurement.

Wash Station
A thorough 12 stage washing process with acid, alkali and pure water wash steps. Liquid level sensors at stations 1 - 5 prevent cuvette overflows.

Sample Carousel
50 positions are contained within the universal carousel, including 10 bespoke positions for calibrators and controls. The emergency loading port allows for the processing of STAT samples. Barcode sample identification ensures accurate matching of patient identification to specimen. Low sample volumes (1.5 - 35μl) enable easy testing of paediatric and veterinary patients.

Semi-Permanent Cuvettes
72 semi-permanent reaction cuvettes lasting for 3 - 6 months. On-board cuvette checking function ensures only clean and viable reaction vessels are used.

Optional ISE Unit
Providing cost savings, the RX daytona+ has a built in ISE unit for direct measurements of sodium, potassium and chloride. The direct ISE approach requires no dilution steps to be carried out limiting possible sources of inprecision.
RX IMOLA

RAPID, COMPREHENSIVE CLINICAL CHEMISTRY TESTING

EXTENSIVE DEDICATED TEST MENU
The RX imola comprises the RX series world leading test menu covering routine chemistries, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants, diabetes and veterinary testing. Leading the way, the RX imola has testing capabilities for a wide range of our high performing and unique assays including Direct HbA1c. Capable of analysing a variety of samples types including Serum, Plasma and Urine.

EXCELLENCE IN CLINICAL CHEMISTRY
Delivering consistent high quality results, the RX imola is ideal for medium to high throughput laboratories and is capable of performing 400 photometric tests and 560 tests per hour including ISE. The RX imola excels in performance and functionality to provide rapid, comprehensive testing.

Optimum Performance
• Built in inventory management system monitors remaining reagent volume and number of tests
• Sample volume of just 2 - 35µl (0.1µl increments)
• Standard and paediatric sample cups can be used on-board with a dead volume of 150µl for standard samples and 100µl for paediatric samples
• One year warranty as standard with unrivalled technical support from Randox
• 12 wavelength options ranging from 340 - 800nm
• Water consumption of 18 litres per hour

Excellent Functionality
• User friendly Windows® 10 based software
• Generation of Levey-Jennings charts, calibration curves, QC statistics and the ability to view QC history
• Variety of calibration options: Factor, Linear, 2 Point, Point to Point, Spline, Log-logit and Exponential
• 3 levels of password protection available enabling different levels of access
• Daily maintenance takes less than 5 minutes per day

Flexible and Efficient
• Cost savings through consolidation of routine and niche tests on a single platform
• The RX imola will reduce costly test re-runs and potential misdiagnosis
• Unrivalled performance with excellent correlation to gold standard methods
• Maximum uptime with 90 on-board permanent Pyrex® cuvettes

ORDERING INFORMATION
RX imola analyser            RX4900

To find out more visit randox.com/rx-imola
Reagent Carousel
60 reagent positions for 20ml, 50ml and 100ml bottles, all cooled between 8 -15°C. Our smart reagent inventory management system with automatic barcode functionality ensures instant recognition of reagents. Randox offers a wide range of dedicated, high performing and unique reagents.

Dual Stirrers
Dual 5 speed rotating stirrers rinsed with purified water. The option of different mixing speeds ensures each reagent and sample are at optimum viscosity to enable accurate and precise measurement.

Wash Station
An 8 stage washing process with acid, alkali and pure water wash steps ensures cuvettes are thoroughly cleaned before each test. Liquid level sensors prevent cuvette overflows.

Sample Carousel
The emergency loading port allows run interruption for STAT sample processing. 72 positions are contained within the outer ring of the carousel for normal and STAT samples with 20 positions available in the inner ring for QC and calibrators. Barcode sample identification ensures accurate matching of patient identification to specimen.

Permanent Cuvettes
With 90 permanent Pyrex® cuvettes, the RX imola reduces downtime and ongoing consumable costs associated with changing disposable or semi-disposable cuvettes. Permanent cuvettes offer a lifespan of up to 5 years ensuring stability and accuracy of patient results.

ISE Unit
Providing cost savings, the RX imola has a built in ISE unit for direct measurements of sodium, potassium and chloride. The direct ISE approach requires no dilution steps to be carried out limiting possible sources of imprecision.
RX MODENA

A SUPERIOR HIGH THROUGHPUT, FULLY AUTOMATED CLINICAL CHEMISTRY ANALYSER

EXTENSIVE DEDICATED TEST MENU

The RX modena utilises the RX series ever expansive, unrivalled test menu covering routine and specialised chemistries, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants, diabetes and veterinary testing. Leading the way, the RX modena has a fully on-board hemolysis function for Direct HbA1c testing.

EXCELLENCE IN CLINICAL CHEMISTRY

Bringing a new era to clinical chemistry testing, the RX modena is capable of performing 800 photometric and a total of 1,200 tests per hour including ISE. Delivering in high quality performance, the RX modena presents a new class of efficiency without compromising on the precision, reliability and accuracy that the RX series is renowned for.

Optimum Performance

- Built in inventory management system calculating remaining reagent volumes and number of tests available
- Automatic test re-run function and automatic sample dilution
- Continuous loading allows samples to be added during runs enhancing productivity
- Water consumption of 20 litres per hour
- One year warranty as standard plus unrivalled technical support from Randox
- 13 wavelengths generated via diffraction grating (340 - 800nm)

Excellent Functionality

- User friendly Microsoft Windows® 10 based software utilising interactive touch-screen technology with barcode readers for both sample and reagent identification
- Advanced QC capabilities - daily, monthly and batch QC with data archiving, Levey-Jennings charts, automatic QC and automatic calibration
- 7 different calibration options available including; Factor, Linear, Point to point, Log-logit, Exponential, Spline and Spline 2, capable of running end point, 2 point end rate, 2 point rate and ISE
- Minimal maintenance required providing laboratories with maximum uptime

Flexible & Efficient

- Offering consolidation of routine and niche tests on a single platform
- Continuous loading is facilitated detecting free space on-board the analyser to allow samples to be analysed quickly and easily during a run saving time
- Unrivalled performance with excellent correlation to gold standard methodologies

ORDERING INFORMATION

RX modena analyser RX9000

To find out more visit randox.com/rx-modena
Sample Pipettes
Dedicated sample pipette to ensure minimal carryover and testing errors.

Sample Carousel
The RX modena has 94 sample positions available and up to 10 positions for calibrators and controls. STAT functionality allows for the addition of emergency samples when required. An on-board barcode scanner will identify the sample being tested.

Reagent Carousel
The RX modena reagent carousel has 100 cooled positions for 50 x 70ml & 50 x 20ml reagent bottles. An automatic barcode will identify the reagents added to the carousel which will be cooled between 8°C and 15°C to allow for a greater on-board stability.

Dedicated Reagent Pipettes
Dedicated reagent pipette to ensure minimal carryover and testing errors.

Reaction System
153 semi-permanent cuvettes with cuvette check function, ensuring only clean cuvettes are used in the reaction.

Wash Station
A 7 stage washing process includes acid, alkali and pure water, wash steps. Stations 1-5 have liquid level sensors to prevent cuvette overflows. The washing unit washes cuvettes before and after measurement to ensure accurate results each time.

ISE Unit
The RX modena features an on-board ISE module for the measurement of sodium, potassium and chloride with increased precision and accuracy with a minimum of 22µl sample volume required.
## THE RX SERIES TEST MENU

### CLINICAL

<table>
<thead>
<tr>
<th>AUTOIMMUNE</th>
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<th>Electromet</th>
<th>hematologic</th>
<th>Hepatic Function</th>
<th>Renal Function</th>
<th>Nutritional Status</th>
<th>Neurological Disorders</th>
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<td>Cholesterol</td>
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<td>Triglycerides</td>
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<td>CRP</td>
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<td>Cystatin C</td>
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<td>Cystatin C</td>
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<td>Cystatin C</td>
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### VETERINARY

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<tr>
<td>Ammonia</td>
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<tr>
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</tr>
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<td>Bile Acids</td>
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<td>Bilirubin</td>
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<td>Calcium</td>
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<tr>
<td>Chloride</td>
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<td>Cholesterol</td>
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<td>CK - NAC</td>
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<tr>
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<tr>
<td>Ransel (Glutathione peroxidase)</td>
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<td>Ransod (Superoxide dismutase)</td>
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<td>Sodium</td>
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<td>Urinary Protein</td>
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<tr>
<td>Zinc</td>
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</table>

### TOXICOLOGY

#### THERAPEUTIC DRUGS:
- Carbamazepine
- Phenobarbital
- Phenytoin
- Valproic Acid

#### DRUGS OF ABUSE:
- Ethanol

### PROTEINS

#### SPECIFIC PROTEINS:
- Apolipoprotein A-I
- Apolipoprotein AII
- Apolipoprotein B
- Apolipoprotein CII
- Apolipoprotein CIII
- Apolipoprotein E
- ASO
- Beta-2 Microglobulin
- Complement Component 3
- Complement Component 4
- CRP
- CRP Full Range (0.3-160mg/l)
- CRP High Sensitivity
- Cystatin C
- Ferritin
- Fructosamine
- Haptoglobin
- HbA1c/Hb (Direct)
- HbA1c/Hb (Indirect)
- IgA
- IgE
- IgG
- IgM
- Lipoprotein (a)
- Microalbumin
- Myoglobin
- Rheumatoid Factor
- sTIR
- Transferrin
- Transthyretin (Prealbinin)

### RESEARCH

#### ANTIOXIDANTS:
- Albumin
- Bilirubin
- Ferritin
- Glutathione Reductase
- Ransel (Glutathione Peroxidase)
- Ransod (Superoxide Dismutase)
- TIBC
- Total Antioxidant Status
- Transferrin
- Uric Acid

#### FOOD AND WINE TESTING:
- Acetic acid
- Ammonia
- Copper
- Ethanol
- Glucose/fructose
- Malic acid
- Potassium
- TAS

#### BIOTECHNOLOGY:
- Glutamate
- Glutamine

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<table>
<thead>
<tr>
<th>Acetic Acid</th>
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GLOBAL REACH. LOCAL SUPPORT

INNOVATION AND CUSTOMER CARE ARE BOTH OUR COMMITMENT AND OUR PASSION

With over 35 years’ experience, our focus is on providing you with world-class customer service and maintaining excellent relationships with all of our customers. We fully understand the demands and needs of the clinical chemistry laboratory and recognise the importance of maintaining a consistent workflow of high quality results. Our team of trained engineers are on hand to work with you in preserving the continuity of your operations while maximising the potential of your RX series instrument. We know time is critical in any laboratory and our global network means we are uniquely positioned to meet your needs with local service and support.

Maximum uptime is one of the most important considerations in a laboratory setting and we are here to ensure that your analyser experiences as little downtime as possible. We will support your laboratory in providing efficient and effective patient care and are committed to maintaining the integrity of your laboratory through unrivalled support and a genuine understanding of your needs.

We take pride in our analysers, and realise how important they are to your laboratory and to patients. Servicing your RX series analyser is essential in ensuring continuous productivity and maintaining the highest quality of results you come to expect from the RX series clinical chemistry analysers. The quality of laboratory test results is dependent on the performance of your analyser; therefore the importance of servicing and preventative maintenance cannot be overstated. Regular servicing as a preventative measure is one of the best ways to ensure that you get optimal results from your RX series instrument.

Prince Aly Khan Hospital, Mumbai, India

“We have been associated with Randox for more than 8 years and have two RX imola analysers. We find the RX imola to be of the highest quality and user friendly, with fewer breakdowns compared to other instruments. Also, downtime is minimal. All application and sales personnel are very prompt in their customer service.”

Suchitra Vaidya, Quality Assurance Manager, Hospital Laboratory
**OUR PEOPLE**

You should expect excellent service every time you make contact with us. That is why we train every member of our team to the highest possible standard to ensure that you receive the highest quality of customer service that you deserve, thus ensuring you enjoy a consistent, helpful and stress-free experience.

**DEDICATED RX SERIES REAGENTS**

The RX series has one of the most extensive dedicated test menus on the market, giving biochemistry laboratories the opportunity to advance their routine and niche testing. We ensure all tests are optimised and validated on RX systems for unrivalled performance.

**SPECIALIST OFFERINGS**

The RX series test menu goes beyond routine chemistries. At Randox we re-invest significantly in research and development to ensure we meet the ever changing needs of laboratories. As a result, the extensive range of reagents offered in the RX series test menu includes niche tests such as: sdLDL, Lipoprotein(a), H-FABP, Cystatin C, TxBCardio, HDL2/3-C, Adiponectin, Homocysteine, Copper, D-3-Hydroxybutyrate, G-6-PDH, Non-Esterified Fatty Acids, Total Antioxidant Status and Zinc.
Randox has been supplying laboratories worldwide with revolutionary diagnostic solutions for over 35 years. Our experience and expertise allow us to create a leading product portfolio of high quality diagnostic tools which offer reliable and rapid diagnosis. We believe that by providing laboratories with the right tools, we can improve healthcare worldwide.

REAGENTS

Randox offers an extensive range of third-party diagnostic reagents which are internationally recognised as being of the highest quality; producing accurate and precise results. At Randox, we re-invest significantly in R&D to ensure we meet the ever-changing needs of the laboratory. Consequently, Randox offer a range of novel and superior performance assays, including: sdLDL-C, Lipoprotein (a), H-FABP, Adiponectin, Copper and Zinc. Applications are available detailing instrument-specific settings for the convenient use of Randox Reagents on numerous clinical chemistry analysers.

INTERNAL QUALITY CONTROL

Acusera third party quality controls are made using the highest quality material of human origin, ensuring they react like a real patient sample. With more than 390 analytes available across the Acusera range we can uniquely reduce the number of controls required while reducing costs and time. Our product range includes clinical chemistry, immunoassay, urine, immunology and more. Qnostics molecular controls for infectious disease testing are designed to meet the demand of today's molecular diagnostics laboratory while effectively monitoring the entire testing process. Our whole pathogen molecular controls comprise hundreds of characterised viral, bacterial and fungal targets.

EXTERNAL QUALITY ASSESSMENT

RIQAS is the world’s largest international EQA scheme with more than 45,000 participants worldwide. 33 comprehensive, yet flexible programmes cover a wide range of clinical diagnostic testing including chemistry, immunoassay, cardiac, urine, serology and more. Our programmes benefit from a wide range of concentrations, frequent reporting, rapid feedback and user-friendly reports. QCMD, our range of EQA programmes for molecular infectious disease testing, features a whole pathogen matrix making them a true test of patient sample analysis. With access to over 90 programmes including blood borne viruses, respiratory diseases, multi-pathogen infections and more, there is something for every laboratory.

EVIDENCE SERIES

In 2002, Randox invented the world’s first, Biochip Array Technology, offering highly specific tests, coupled to the highly sensitive chemiluminescent detection, providing quantitative results instantly changing the landscape of diagnostic testing forever. The Randox Evidence Series of multi-analyte immunoanlyser’s provide an unrivalled increase in patient information per sample offering diagnostic, prognostic and predictive solutions across a variety of disease areas with a highly advanced clinical and toxicology immunoassay test menu including cardiac, diabetes, drugs of abuse, metabolic and renal markers.
CONTACT US
Contact us for more information on any of our products and services:

HEADQUARTERS
Randox Laboratories Ltd, 55 Diamond Road, Crumlin, County Antrim, BT29 4QY, United Kingdom
+44 (0) 28 9442 2413 • theRXseries@randox.com • randox.com

INTERNATIONAL OFFICES

AUSTRALIA
Randox (Australia) Pty Ltd
Tel: +61 (0) 2 9615 4640

BRAZIL
Randox Brazil Ltda.
Tel: +55 11 3181 2024

CHINA
Randox Laboratories Ltd.
Tel: +86 22 6288 6240

CZECH REPUBLIC
Randox Laboratories S.R.O.
Tel: +420 2 115 1661

FRANCE
Laboratoires Randox
Tel: +33 (0) 136 18 96 80

GERMANY
Randox Laboratories GmbH
Tel: +49 (0) 215 1937 0611

HONG KONG
Randox Laboratories Hong Kong Limited
Tel: +852 3995 2200

ITALY
Randox Laboratories Ltd.
Tel: +39 06 9886 8954

INDIA
Randox Laboratories India Pvt Ltd.
Tel: +91 80 6751 5000

POLAND
Randox Laboratories Polska Sp. z o.o.
Tel: +48 22 862 1080

ITALY
Randox Laboratories Ltd.
Tel: +39 06 9886 8954

PORTUGAL
Randox Laboratories Quimica Analitica Ltda
Tel: +351 22 589 8320

POLAND
Randox Laboratories Polska Sp. z o.o.
Tel: +48 22 862 1080

REPUBLIC OF IRELAND
Randox Teoranta
Tel: +353 7495 2200

SLOVAKIA
Randox S.R.O.
Tel: +421 2 6381 3324

SOUTH AFRICA
Randox Laboratories SA (Pty) Ltd.
Tel: +27 (0) 11 312 3530

SOUTH KOREA
Randox Korea
Tel: +82 (0) 31 478 3121

SPAIN
Laboratorios Randox S.L.
Tel: +34 91 479 09 44

SWITZERLAND
Randox Laboratories Ltd. (Switzerland)
Tel: +41 41 810 48 89

UAE
Randox Medical Equipments Trading LLC
Tel: +971 55 474 9075

USA
Randox Laboratories US, Ltd.
Tel: +1 301 728 2890

VIETNAM
Randox Laboratories Ltd. Vietnam
Tel: +84 (0) 8 3911 0904

FOR TECHNICAL SUPPORT CONTACT:
technical.services@randox.com