

Clinical Chemistry

Enrich your research with the highest quality range of routine and novel reagents

Reagents

Extensive test menu

We supply one of the largest reagent test menus offered by any clinical diagnostics company encompassing routine and esoteric clinical chemistry, immunoassay and safety testing.

Our impressive product portfolio covers over 100 disease markers. In addition to a wide range of routine chemistries, we provide reagents for specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants, coagulation, diabetes, food & wine and veterinary parameters.

This portfolio is continually expanding to offer you an increased choice of high-quality cost-effective reagents.

Unique tests

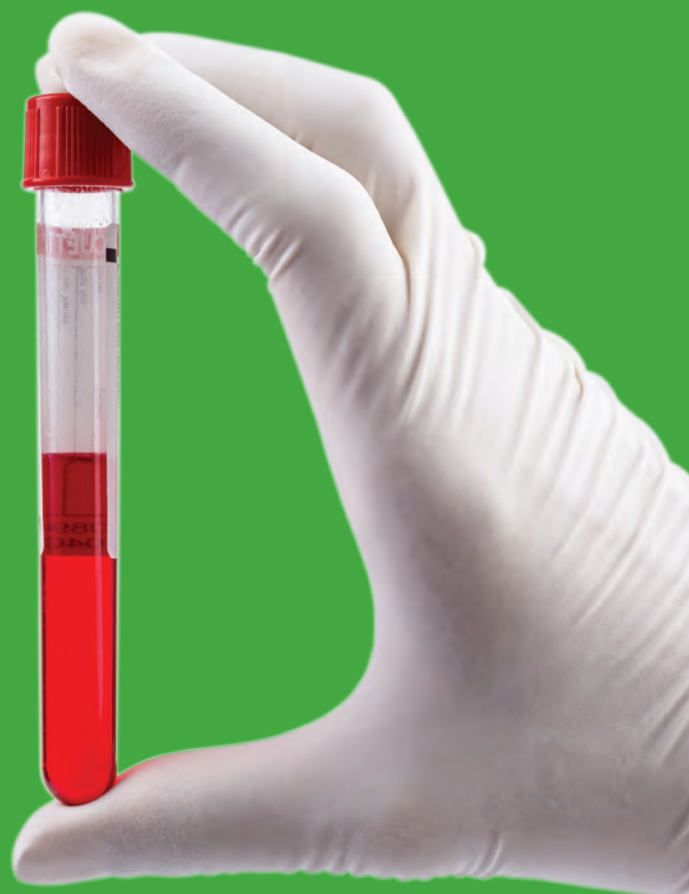
We are a primary manufacturer of a comprehensive range of high performance and unique tests which can benefit you at every stage of your equally unique pre-clinical research and clinical development projects.

Dedicated and non-dedicated reagents

We provide dedicated reagents for the Randox RX Series, Dimension™, Hitachi™, AU™, Architect C™ and Aeroset™ range of chemistry analysers providing you with freedom of choice from an independent manufacturer. We also provide over 13,000 instrument specific applications enabling the use of Randox reagents on over 195 clinical chemistry analyser platforms.

Highest quality

Our reagents are of the highest quality producing accurate and precise results. This is recognised through official accreditation to both national and international standards including UKAS, ISO 13485:2003, and SFDA.



RX series of clinical chemistry analysers

Excellence in Research and Diagnostics

The RX series has been developed by Randox to meet the growing needs of clinical chemistry testing offering an impressive range from the semi-automated RX monza through to the fully automated RX imola.

The RX series provides performance like no other. Robust hardware combined with intuitive software ensures unrivalled precision and accuracy for results you can trust. Delivering high quality routine and specialised testing through the most comprehensive dedicated test menu on the market, the RX series of clinical chemistry analysers guarantees flexibility, cost savings and consolidation. The RX series is capable of catering for a variety of laboratory settings, from low to mid-volume testing through to 1 million tests per year.



RX monza

RX monza is a compact semi-automated analyser offering all the functionality of a much larger, fully automated instrument. Its offering of 192 channels, of which 79 are dedicated, together with the flexibility to perform clinical chemistry or coagulation testing creates new and exciting opportunities for routine and specialised testing.



RX monaco

RX monaco is the newest, fully automated addition to the RX series and offers the ultimate in convenience, performance and confidence. At optimal configuration the RX monaco performs 170 tests per hour and provides cost effective, high quality testing for low to mid volume laboratories.



RX daytona+

RX daytona+ offers a superior performance fully automated solution for mid-volume clinical chemistry testing. This bench-top analyser which is capable of running 450 tests per hour including ISE, has the most comprehensive dedicated test menu on the market. It provides unrivalled flexibility and versatility covering both routine and specialised tests ensuring optimum efficiency.



RX imola

RX imola is a compact fully automated bench-top clinical chemistry analyser with the ability to handle the workload of a medium to high throughput laboratory. With a throughput of 560 tests per hour including ISE, it is the most versatile analyser in its class combining rapid comprehensive testing with the most comprehensive dedicated test menu on the market.

RX Test Menu

CLINICAL

Autoimmune

Complement Component 3
 Complement Component 4
 CRP
 CRP Full Range (0.3-160mg/l)
 CRP High Sensitivity
 IgA
 IgE
 IgG
 IgM
 Rheumatoid Factor

Basic Metabolic Profile

Calcium
 CO2 Total
 Chloride
 Creatinine (Enzymatic)
 Creatinine (Jaffe)
 Glucose
 Potassium
 Sodium
 Urea

Bone Profile

Alkaline Phosphatase
 Calcium
 Phosphorus
 Total Protein

Cardiac

Cholesterol
 CK-MB
 CK-NAC
 CRP
 CRP Full Range (0.3-160mg/l)
 CRP High Sensitivity
 Digoxin
 Direct HDL Cholesterol
 Direct LDL Cholesterol
 Heart-Type Fatty Acid Binding Protein (H-FABP)
 Homocysteine
 Lipoprotein (a)
 Myoglobin
 sLDL
 Triglycerides
 TxB Cardio

Comprehensive Metabolic Profile

Albumin
 Alkaline Phosphatase
 ALT
 AST (GOT)

Direct Bilirubin
 Calcium
 Chloride
 CO2 Total
 Creatinine (Enzymatic)
 Creatinine (Jaffe)
 Glucose
 Lactate
 Potassium
 Sodium
 Total Bilirubin
 Total Protein
 Urea

Diabetes

Adiponectin
 Cholesterol
 Creatinine (Enzymatic)
 Creatinine (Jaffe)
 Cystatin C
 Direct HDL Cholesterol
 Direct LDL Cholesterol
 Fructosamine
 Glucose
 Glycerol
 HbA1c/Hb
 Microalbumin
 NEFA (Non-Esterified Fatty Acids)
 Ranbut (Hydroxybutyrate)
 Total Protein
 Triglycerides
 Urinary Protein

Electrolytes

Calcium
 Chloride (Direct / Nondirect)
 CO2 Total
 Lithium
 Magnesium
 Potassium (Direct / Nondirect)
 Sodium (Direct / Nondirect)

Haemolytic Anaemia

G-6-P-DH
 Haptoglobin
 LDH

Hepatic Function

Albumin
 Aldolase
 Alkaline Phosphatase
 Alpha-1 Antitrypsin
 ALT

Ammonia
 AST (GOT)
 Cholinesterase
 Complement Component 3
 Complement Component 4
 Direct Bilirubin
 Gamma GT
 GLDH
 Glycerol
 Haptoglobin
 IgA
 IgG
 IgM
 Iron (UIBC)
 LDH
 Leucine Arylamidase (LAP)
 Total Bilirubin
 Total Protein
 Transferrin
 Transthyretin (Prealbumin)

Inflammation and Infection

Acid Phosphatase
 Alpha-1 Acid Glycoprotein
 ASO
 CRP
 Lactate
 Rheumatoid Factor

Lipids

Apolipoprotein A-I
 Apolipoprotein A-II
 Apolipoprotein B
 Apolipoprotein C-II
 Apolipoprotein C-III
 Apolipoprotein E
 Cholesterol
 Direct HDL Cholesterol
 Direct LDL Cholesterol
 Lipoprotein (a)
 sLDL
 Triglycerides

Neonatal Screening

Alpha-1 Antitrypsin
 CRP
 CRP Full Range (0.3-160mg/l)
 CRP High Sensitivity
 IgE
 Transthyretin (Prealbumin)

Neurological Disorders (CSF)

IgA
 IgG
 IgM

Nutritional Status

Albumin
 Copper
 Ferritin
 Iron
 Iron (UIBC)
 Lipase
 Magnesium
 Potassium
 TIBC
 Transferrin
 Transthyretin (Prealbumin)
 Zinc

Pancreatic Function

Amylase
 Glucose
 LDH
 Lipase
 Pancreatic Amylase

Renal Function

Albumin
 Ammonia
 Beta-2 Microglobulin
 Calcium
 Chloride
 Creatinine (Enzymatic)
 Creatinine (Jaffe)
 Cystatin C
 Glucose
 HbA1c/Hb
 IgG
 LDH
 Magnesium
 Microalbumin
 Potassium
 Sodium
 Phosphorus (Inorganic)
 Urinary Protein
 Urea
 Uric Acid

RX Test Menu

PROTEINS

Specific Proteins

Alpha-1 Antitrypsin
 Alpha-1 Acid Glycoprotein
 Apolipoprotein A-I
 Apolipoprotein A-II
 Apolipoprotein B
 Apolipoprotein C-II
 Apolipoprotein C-III
 Apolipoprotein E
 ASO
 Beta-2 Microglobulin
 Ceruloplasmin
 Complement Component 3
 Complement Component 4
 CRP
 CRP Full Range (0.3-160mg/l)

CRP High Sensitivity
 Cystatin C
 Ferritin
 Fructosamine
 Haptoglobin
 HbA1c/Hb
 IgA
 IgE
 IgG
 IgM
 Lipoprotein (a)
 Microalbumin
 Myoglobin
 Rheumatoid Factor
 Transthyretin (Prealbumin)
 Transferrin

RESEARCH

Antioxidants

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

Biotechnology

Glutamate
 Glutamine

Food and Wine Testing

Acetic Acid
 Ammonia
 Calcium
 Copper
 Glucose
 Glucose/Fructose
 Glycerol
 Iron
 L-Lactic Acid
 Malic Acid
 Potassium
 Total Antioxidant Status

TOXICOLOGY

Therapeutic Drugs

Acetaminophen
 Carbamazepine
 Digoxin
 Gentamicin
 Lithium
 Phenobarbital
 Phenytoin
 Salicylate
 Theophylline
 Valproic Acid

Drugs of Abuse

Amphetamines
 Barbiturates
 Benzodiazepines
 Cannabinoids
 Cocaine metabolite
 EDDP
 Ecstasy
 Ethanol
 Methadone
 Opiates

VETERINARY

Albumin
 Alkaline phosphatase
 ALT (GPT)
 Aldolase
 Ammonia
 Amylase
 AST (GOT)
 Bile acids
 Bilirubin
 Calcium
 Chloride
 Cholesterol
 Cholinesterase (Butyryl)
 CK-NAC
 CO2 Total
 Copper
 Creatinine
 CRP
 Fructosamine
 Gamma-GT
 GLDH
 Glucose
 Glycerol
 HDL

Iron (UIBC)
 Lactate
 Lactate dehydrogenase
 LDL
 Lipase
 Magnesium
 NEFA (Non-esterified fatty acids)
 Phosphorus (Inorganic)
 Potassium
 Ranbut (Hydroxybutyrate)
 Ransel (Glutathione peroxidase)
 Ransod (Superoxide dismutase)
 Sodium
 Therapeutic drugs
 Total Protein
 Triglycerides
 Urea
 Uric Acid
 Urinary protein
 Zinc