REAGENTS

THE HIGHEST QUALITY RANGE OF ROUTINE & NOVEL REAGENTS
Benefits of Randox 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. We have an extensive test menu of 114 assays, covering over 100 disease markers including specific proteins, lipids, therapeutic drug monitoring, drugs of abuse, antioxidants, diabetes and veterinary testing. A wide range of formats and methods are available providing greater flexibility and choice for any laboratory size. In addition to flexible pack sizes and a comprehensive list of analyser applications, we can also provide dedicated reagent packs (Randox Easy Read and Easy Fit reagents) for a wide range of chemistry analysers providing you with freedom of choice from an independent manufacturer.

Expand your test menu without expanding your lab

There is no need to buy any extra equipment in order to expand your test menu. Our reagents can be programmed onto the majority of the most common biochemistry analysers.

Bring testing in - house

With smaller kit sizes and excellent reagent stability (most are stable for 28 days on-board the analyser), you don’t have to worry about reagent wastage, allowing testing to be brought in-house.

Expand routine testing

With speciality assays for 195 of the most common clinical chemistry analysers; assays which usually require dedicated equipment (or was previously only available as an ELISA) can now be run on automated biochemistry analysers, allowing your laboratory to expand its routine test menu.

Reduce labour

Reduce your time spent on running tests through liquid ready-to-use reagents, automated methods (compared to the traditional, laborious ELISA methods used for tests such as cystatin C) and our easy-fit options.

Reduce costs

We can help create cost-savings for your laboratory through excellent reagent stability; by eliminating the need for costly re-runs through the excellent quality of products; and by offering a range of kit sizes (including smaller kit sizes for niche tests to reduce waste).

Reduce the risk of errors and have confidence in patient results

Our traceability of material and extremely tight manufacturing tolerances ensure uniformity across reagent batches reducing lot-to-lot variability. All our assays are validated against gold-standard methods, offering low CV’s and excellent precision giving you the confidence that you are sending out the correct patient results.
CLINICAL CHEMISTRY

Adiponectin
Aldolase
Alkaline Phosphatase
ALT
Ammonia
Amylase
Amylase Pancreatic
AST
Bile Acids
Bilirubin
Calcium
Chloride
Cholinesterase (Butyryl)

CK-MB
CK-NAC
CO₂ Total
Copper
Ethanol
G6PDH
Gamma GT
GLDH
Glutamate
Glutamine
Glycerol
Haemoglobin
Iron

L-Lactate
Lactate Dehydrogenase
Lipase
Magnesium
Phosphorus
Potassium
Sodium
Syphilis
Total Protein
Urinary Protein
Urea
Uric Acid
Zinc

SPECIFIC PROTEINS

Anti-Streptolysin O
Alpha-1-Acid Glycoprotein
Alpha-1-Antitrypsin
Apolipoprotein A-I
Apolipoprotein A-II
Apolipoprotein B
Apolipoprotein C-II
Apolipoprotein C-III
Apolipoprotein E
Complement C3

Complement C4
CRP
Cystatin C
Ferritin
Haptoglobin
HbA1c Indirect
HbA1c II Direct
IgA
IgE
IgG

IgM
Lipoprotein (a)
Microalbumin
Myoglobin
Rheumatoid Factor
Soluble Transferrin Receptor (sTfR)
Transferrin
Transthyretin (Prealbumin)

CARDIOLOGY & LIPIDS

Adiponectin
Apolipoprotein A-I
Apolipoprotein A-II
Apolipoprotein B
Apolipoprotein C-II
Apolipoprotein C-III
Apolipoprotein E
Cholesterol Total

Cholesterol HDL
Cholesterol LDL
Cholesterol sdLDL
CRP High Sensitivity
Heart-Type Fatty Acid-Binding Protein (H-FABP)
Homocysteine
Lipoprotein (a)

Myoglobin
Triglycerides

DIABETES

Adiponectin
Albumin
β₂ Microglobulin
Cystatin C

Creatinine
D-3 Hydroxybutyrate (Ranbut)
Fructosamine (Glycated Protein)
Glucose

HbA1c Direct
HbA1c II Indirect
Microalbumin
NEFA
## THERAPEUTIC DRUG MONITORING

<table>
<thead>
<tr>
<th>Drug</th>
<th>Drug</th>
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<tbody>
<tr>
<td>Carbamazepine</td>
<td>Lithium</td>
<td>Phenytoin</td>
</tr>
<tr>
<td>Digoxin</td>
<td>Phenobarbital</td>
<td>Valproic Acid</td>
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<tr>
<td>Gentamicin</td>
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## ANTIOXIDANTS

<table>
<thead>
<tr>
<th>Substance</th>
<th>Substance</th>
<th>Substance</th>
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<tbody>
<tr>
<td>Albumin</td>
<td>Glutathione Reductase</td>
<td>Transferrin</td>
</tr>
<tr>
<td>Bilirubin Direct</td>
<td>Soluble Transferrin Receptor (sTfR)</td>
<td>Uric Acid</td>
</tr>
<tr>
<td>Bilirubin Total</td>
<td>Superoxide Dismutase (Ransod)</td>
<td></td>
</tr>
<tr>
<td>Ferritin</td>
<td>Total Antioxidant Status (TAS)</td>
<td></td>
</tr>
<tr>
<td>Glutathione Peroxidase (Ransel)</td>
<td>Total Iron Binding Capacity (TIBC)</td>
<td></td>
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</table>

## RAPID TESTS / SEROLOGY

<table>
<thead>
<tr>
<th>Test</th>
<th>Test</th>
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<tbody>
<tr>
<td>Anti-Streptolysin O</td>
<td>G6PDH</td>
<td>Syphilis</td>
</tr>
<tr>
<td>CRP</td>
<td>Rheumatoid Factor</td>
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## VETERINARY

<table>
<thead>
<tr>
<th>Test</th>
<th>Test</th>
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<tbody>
<tr>
<td>Alanine Aminotransferase (ALT)</td>
<td>CK-NAC</td>
<td>Lipase</td>
</tr>
<tr>
<td>Albumin</td>
<td>CO2 Total</td>
<td>Magnesium</td>
</tr>
<tr>
<td>Aldolase</td>
<td>Copper</td>
<td>NEFA</td>
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<tr>
<td>Alkaline Phosphatase</td>
<td>Creatinine</td>
<td>Phosphorus</td>
</tr>
<tr>
<td>Ammonia</td>
<td>CRP</td>
<td>Potassium</td>
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<tr>
<td>Amylase</td>
<td>CRP - Canine</td>
<td>Sodium</td>
</tr>
<tr>
<td>Aspartate Aminotransferase (AST)</td>
<td>D-3 Hydroxybutyrate (Ranbut)</td>
<td>Superoxide Dismutase (Ransod)</td>
</tr>
<tr>
<td>Bile Acids</td>
<td>Fructosamine (Glycated Protein)</td>
<td>Total Antioxidant Status (TAS)</td>
</tr>
<tr>
<td>Bilirubin Direct</td>
<td>Gamma GT</td>
<td>Total Iron Binding Capacity (TIBC)</td>
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<tr>
<td>Bilirubin Total</td>
<td>GLDH</td>
<td>Total Protein</td>
</tr>
<tr>
<td>Calcium</td>
<td>Glucose</td>
<td>Triglycerides</td>
</tr>
<tr>
<td>Chloride</td>
<td>Glutathione Peroxidase (Ransel)</td>
<td>Urea</td>
</tr>
<tr>
<td>Cholesterol HDL</td>
<td>Glutathione Reductase</td>
<td>Uric Acid</td>
</tr>
<tr>
<td>Cholesterol LDL</td>
<td>Iron</td>
<td>Urinary Protein</td>
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<tr>
<td>Cholesterol Total</td>
<td>Lactate</td>
<td>Zinc</td>
</tr>
<tr>
<td>Cholinesterase (Butyryl)</td>
<td>Lactate Dehydrogenase</td>
<td></td>
</tr>
<tr>
<td>A - Z Portfolio of Reagents</td>
<td></td>
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<tr>
<td>----------------------------</td>
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<tr>
<td>Adiponectin</td>
<td>Complement C3</td>
<td>IgM</td>
</tr>
<tr>
<td>Albumin</td>
<td>Complement C4</td>
<td>Iron</td>
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<tr>
<td>Aldolase</td>
<td>Copper</td>
<td>L-Lactate</td>
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<tr>
<td>Alkaline Phosphatase</td>
<td>Creatinine</td>
<td>Lactate Dehydrogenase (LD) Lactate - Pyruvate</td>
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<tr>
<td>Alpha-1-Acid Glycoprotein</td>
<td>CRP</td>
<td>Lactate Dehydrogenase (LD) Pyruvate - Lactate</td>
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<td>Alpha-1-Antitrypsin</td>
<td>CRP Canine</td>
<td>Lipase</td>
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<td>Alanine Aminotransferase (ALT)</td>
<td>CRP Full Range</td>
<td>Lipoprotein (a)</td>
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<tr>
<td>Ammonia</td>
<td>CRP High Sensitivity</td>
<td>Lithium</td>
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<tr>
<td>Amylase</td>
<td>Cystatin C</td>
<td>Magnesium</td>
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<tr>
<td>Amylase Pancreatic</td>
<td>Digoxin</td>
<td>Microalbumin</td>
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<tr>
<td>Anti - Streptolysin O (ASO)</td>
<td>Ethanol</td>
<td>Myoglobin</td>
</tr>
<tr>
<td>Apolipoprotein A-I</td>
<td>Ferritin</td>
<td>Non-Esterified Fatty Acids (NEFA)</td>
</tr>
<tr>
<td>Apolipoprotein A-II</td>
<td>Fructosamine (Glycated Protein)</td>
<td>Phenobarbital</td>
</tr>
<tr>
<td>Apolipoprotein B</td>
<td>G6PDH</td>
<td>Phenytoin</td>
</tr>
<tr>
<td>Apolipoprotein C-II</td>
<td>Gamma GT</td>
<td>Phosphorus</td>
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<tr>
<td>Apolipoprotein C-III</td>
<td>Gentamicin</td>
<td>Potassium</td>
</tr>
<tr>
<td>Apolipoprotein E</td>
<td>GLDH</td>
<td>Rheumatoid Factor (RF)</td>
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<tr>
<td>Aspartate Aminotransferase (AST)</td>
<td>Glutathione Peroxidase (Ransel)</td>
<td>Sodium</td>
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<tr>
<td>ß2 Microglobulin</td>
<td>Glutathione Reductase</td>
<td>Soluble Transferrin Receptor (sTFR)</td>
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<tr>
<td>Bile Acids 4th Gen</td>
<td>Glycerol</td>
<td>Superoxide Dismutase (Ransod)</td>
</tr>
<tr>
<td>Bile Acids 5th Gen</td>
<td>Haemoglobin</td>
<td>Syphilis</td>
</tr>
<tr>
<td>Bilirubin Direct</td>
<td>Haptoglobin</td>
<td>Total Iron Binding Capacity (TAS)</td>
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<tr>
<td>Bilirubin Total</td>
<td>Haemoglobin</td>
<td>Total Antioxidant Status (TIBC)</td>
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<tr>
<td>Calcium</td>
<td>Haemoglobin</td>
<td>Total Protein</td>
</tr>
<tr>
<td>Carbazepine</td>
<td>Haptoglobin</td>
<td>Transferrin</td>
</tr>
<tr>
<td>Chloride</td>
<td>HbA1c Indirect</td>
<td>Transthyretin (Prealbumin)</td>
</tr>
<tr>
<td>Cholesterol Total</td>
<td>HbA1c II Direct</td>
<td>Triglycerides</td>
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<tr>
<td>Cholesterol HDL</td>
<td>Heart-type Fatty Acid Binding Protein (H-FABP)</td>
<td>Urea</td>
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<tr>
<td>Cholesterol LDL</td>
<td>Homocysteine</td>
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<td>Cholesterol sLDL</td>
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<td>IgA</td>
<td>Valproic Acid</td>
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<td>CK-MB</td>
<td>IgE</td>
<td>Zinc</td>
</tr>
<tr>
<td>CK-NAC</td>
<td>IgG</td>
<td></td>
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</tbody>
</table>
Albumin (BCG)

Ordering Information

- **Cat. No:** AB362
  - 6 x 100ml (S)
- **Cat. No:** AB3800
  - 9 x 51ml
- **Cat. No:** AB8000
  - 4 x 68ml
- **Cat. No:** AB8301
  - 4 x 20ml

**Randox Albumin**
- Liquid ready-to-use reagents
- Stable for 3 months when stored at +15 to +25°C
- Measuring range 2.87 - 75.5g/l
- Indicates standard included in kit, and is for manual and semi-automated use only

**Acusera Controls and Calibrators:**

**RIQAS External Quality Assessment:**
- General Clinical Chemistry Programme

Adiponectin (Latex Enhanced Immunoturbidimetric)

Ordering Information

- **Cat. No:** AO8154
  - R1 1 x 8.7ml
  - R2 1 x 8.7ml
- **Cat. No:** AO8162
  - R1 2 x 20ml
  - R2 2 x 20ml

**Randox Adiponectin**
- Liquid ready-to-use reagents
- Stable for 28 days on-board the analyser at approximately +10°C
- Measuring range 0.32 - 23.8µg/mL
- Excellent correlation to gold standard methods

**Acusera Controls and Calibrators:**
- Adiponectin Controls and Adiponectin Calibrator

Aldolase (UV Method)

Ordering Information

- **Cat. No:** AD189
  - 5 x 20ml

**Randox Aldolase**
- Lyophilised reagent
- Working reagent stable for 8 hours at +2 to +8°C
- Measuring range 1.73 - 106U/l

**Acusera Controls and Calibrators:**
- Aldolase Control and Aldolase Calibrator
## Alkaline Phosphatase (DEA Method) (DGKC)

### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
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<tbody>
<tr>
<td><strong>AP307</strong></td>
<td>10 x 10ml</td>
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<tr>
<td><strong>AP3803</strong></td>
<td>R1 6 x 51ml</td>
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<tr>
<td></td>
<td>R2 6 x 14ml</td>
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<tr>
<td><strong>AP9764</strong></td>
<td>R1 7 x 38ml</td>
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<tr>
<td></td>
<td>R2 7 x 11.7ml</td>
</tr>
</tbody>
</table>

### Randox Alkaline Phosphatase (DEA Method)

- Liquid and lyophilised reagents available
- Stable to expiry when stored at +2 to +8°C
- Measuring range 16.3 - 2183U/I
  - Indicates liquid option

### Acusera Controls and Calibrators:


### RIQAS External Quality Assessment:

General Clinical Chemistry Programme

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## Alkaline Phosphatase (AMP Method)

### Ordering Information

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<tbody>
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<td><strong>AP3802</strong></td>
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<tr>
<td></td>
<td>R1 6 x 51ml</td>
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<tr>
<td></td>
<td>R2 6 x 14ml</td>
</tr>
<tr>
<td><strong>AP7927</strong></td>
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<td></td>
<td>R1 5 x 100ml</td>
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<tr>
<td></td>
<td>R2 5 x 20ml</td>
</tr>
<tr>
<td><strong>AP8002</strong></td>
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<tr>
<td></td>
<td>R1 7 x 20ml</td>
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<td></td>
<td>R2 7 x 8ml</td>
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<tr>
<td><strong>AP8302</strong></td>
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<td></td>
<td>R1 4 x 20ml</td>
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<tr>
<td></td>
<td>R2 4 x 7ml</td>
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### Randox Alkaline Phosphatase (AMP Method)

- Liquid and lyophilised reagents available
- Stable to expiry when stored at +2 to +8°C
- Measuring range 18 - 1273U/I
  - Indicates liquid option

### Acusera Controls and Calibrators:


### RIQAS External Quality Assessment:

General Clinical Chemistry Programme
Alpha-1-Acid Glycoprotein (Immunoturbidimetric)

Ordering Information

Cat. No: AG2472
R1 3 x 16ml
R2 3 x 5ml

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 24.6-453 mg/dl

Acusera Controls and Calibrators:
Specific Protein Control, Precision Chemistry Plus, Liquid Chemistry Premium, Liquid Chemistry Premium Plus, Liquid Assayed Chemistry Premium, Liquid Assayed Chemistry Premium Plus, Specific Protein Calibrator

RIQAS:
Specific Proteins Programme

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Alpha-1-Antitrypsin (Immunoturbidimetric)

Ordering Information

Cat. No: AA2471
R1 3 x 16ml
R2 3 x 5ml

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 38.7-660 mg/dl

Acusera Controls and Calibrators:
Specific Protein Control, Precision Chemistry Premium Plus, Liquid Chemistry Premium, Liquid Chemistry Premium Plus, Liquid Assayed Chemistry Premium, Liquid Assayed Chemistry Premium Plus, Specific Protein Calibrator

RIQAS:
Specific Proteins Programme
Alanine Aminotransferase (ALT) (UV) (IFCC)

Ordering Information

Cat. No: AL1205 10 x 10ml
AL3801 R1 6 x 51ml
R2 6 x 14ml
AL8006 R1 6 x 56ml
R2 6 x 20ml
AL8304 R1 4 x 20ml
R2 4 x 7ml

Randox Alanine Aminotransferase (ALT)(UV)(IFCC)

- Liquid and lyophilised reagents available
- Stable to expiry when stored at +2 to +8°C
- Measuring range 4.25 - 666U/l
  ◆ Indicates liquid option

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:

General Clinical Chemistry Programme

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Alanine Aminotransferase (ALT) (Colorimetric)

Ordering Information

Cat. No: AL146 2 x 100ml (S)

Randox Alanine Aminotransferase (ALT) (Colorimetric)

- Liquid ready-to-use reagents
- Stable up to the expiry date when stored at +2 to +8°C.
- Manual method
(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:

General Clinical Chemistry Programme
### Ammonia (Enzymatic UV)

**Ordering Information**

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<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>AM1015</td>
<td>10 x 5ml (C)</td>
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<tr>
<td>AM1054</td>
<td>20 x 3ml (S)</td>
</tr>
<tr>
<td>AM3979</td>
<td>R1 4 x 20ml, R2 2 x 10ml</td>
</tr>
</tbody>
</table>

**Randox Ammonia (Enzymatic UV)**
- Lyophilised reagents
- Stable for 3 weeks at +2 to +8°C or 5 days at +15 to +25°C
- Measuring range 16.9 - 1180µmol/l

(C) Indicates calibrator included in kit
(S) Indicates standard included in kit, and is for manual and semi-automated use only

**Acusera Controls and Calibrators:**
Ammonia/Ethanol Control and Randox Multi Control and Calibrator

**RIQAS External Quality Assessment:**
Ammonia / Ethanol Programme

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### Amylase (Ethylidene PNPG7)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>AY3805</td>
<td>R1 4 x 16ml, R2 4 x 5ml</td>
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<tr>
<td>AY7931</td>
<td>R1 6 x 50ml, R2 4 x 18ml</td>
</tr>
<tr>
<td>AY1580</td>
<td>20 x 5ml</td>
</tr>
<tr>
<td>AY8004</td>
<td>R1 7 x 18ml, R2 7 x 7.3ml</td>
</tr>
<tr>
<td>AY8335</td>
<td>R1 4 x 20ml, R2 4 x 7ml</td>
</tr>
</tbody>
</table>

**Randox Amylase (Ethylidene PNPG7)**
- Liquid and lyophilised reagents available
- Stable to expiry at +2 to +8°C
- Measuring range 7.3 - 1245U/l

(+) Indicates liquid option

**Acusera Controls and Calibrators:**

**RIQAS External Quality Assessment:**
General Clinical Chemistry Programme
Pancreatic Amylase (Ethylidene PNPG7)

Ordering Information

Cat. No:  
AY3855  R1 4 x 16ml  
R2 4 x 5ml  
AY7934  R1 6 x 20ml  
R2 3 x 10ml  
AY8149  R1 7 x 11ml  
R2 7 x 4.8ml

Randox Pancreatic Amylase (Ethylidene PNPG7)

- Liquid ready-to-use reagents
- Stable to expiry when stored at +2 to +8°C
- Wide measuring range 6.11 - 1500U/l

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme

Anti-Streptolysin O (Latex Enhanced Immunoturbidimetric)

Ordering Information

Cat. No:  
LO3998  R1 2 x 9ml  
R2 2 x 14ml  
LO8015  R1 2 x 8.7ml  
R2 2 x 12ml  
LO2715  100T  
(Glass latex slide test)  
LO8305  R1 1 x 7.7ml  
R2 1 x 11.2ml

Randox Anti-Streptolysin O (Latex Enhanced Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 28 - 1314IU/ml

Acusera Controls and Calibrators:
Specific Protein Control and Specific Protein Calibrator

RIQAS External Quality Assessment:
Specific Proteins Programme
Apolipoprotein A-I (Immunoturbidimetric)

Ordering Information
Cat. No: LP2116
R1 4 x 40ml (C)
R2 4 x 17ml
LP3838
R1 4 x 30ml
R2 4 x 12ml
LP8007
R1 2 x 8.6ml
R2 2 x 4.8ml

Randox Apolipoprotein A-I (Immunoturbidimetric)
• Liquid ready-to-use reagents
• Stable to expiry date when stored at +2 to +8°C
• Measuring range 5.27 - 251mg/dl
(C) Indicates calibrator included in kit

Acusera Controls and Calibrators:
Lipid Control, Precision Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Apolipoprotein Calibrator

RIQAS External Quality Assessment:
Lipid Programme

Apolipoprotein A-II (Immunoturbidimetric)

Ordering Information
Cat. No: LP3867
R1 2 x 11ml
R2 2 x 5ml

Randox Apolipoprotein A-II (Immunoturbidimetric)
• Liquid ready-to-use reagents
• Stable to expiry date when stored at +2 to +8°C
• Measuring range 6.75 - 61.1mg/dl

Acusera Controls and Calibrators:
Apolipoprotein Control and Apolipoprotein Calibrator 2

Apolipoprotein B (Immunoturbidimetric)

Ordering Information
Cat. No: LP2117
R1 4 x 50ml (C)
R2 4 x 9ml
LP3839
R1 4 x 20ml
R2 4 x 6ml
LP8008
R1 2 x 8.7ml
R2 2 x 3.9ml

Randox Apolipoprotein B (Immunoturbidimetric)
• Liquid ready-to-use reagents
• Stable to expiry date when stored at +2 to +8°C
• Measuring range 9.37 - 233mg/dl
(C) Indicates calibrator included in kit

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Lipid Programme
Apolipoprotein C-II (Immunoturbidimetric)

Ordering Information
Cat. No: LP3866
R1 2 x 11ml
R2 2 x 5ml

Randox Apolipoprotein C-II (Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 1.48 - 9.7mg/dl

Acusera Controls and Calibrators:
Apolipoprotein Control and Apolipoprotein Calibrator 2

RIQAS External Quality Assessment:
Lipid Programme

Apolipoprotein C-III (Immunoturbidimetric)

Ordering Information
Cat. No: LP3865
R1 2 x 11ml
R2 2 x 5ml

Randox Apolipoprotein C-III (Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 2.16 - 21.7mg/dl

Acusera Controls and Calibrators:
Apolipoprotein Control and Apolipoprotein Calibrator 2

Apolipoprotein E (Immunoturbidimetric)

Ordering Information
Cat. No: LP3864
R1 2 x 11ml
R2 2 x 5ml

Randox Apolipoprotein E (Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 1.04 - 12.3mg/dl

Acusera Controls and Calibrators:
Apolipoprotein Control and Apolipoprotein Calibrator 2
### β₂ Microglobulin (Immunoturbidimetric)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>BM3887</td>
<td>R1 2 x 11ml</td>
</tr>
<tr>
<td></td>
<td>R2 2 x 4.3ml</td>
</tr>
<tr>
<td>BM8016</td>
<td>R1 2 x 11.6ml</td>
</tr>
<tr>
<td></td>
<td>R2 2 x 4.9ml</td>
</tr>
</tbody>
</table>

**Randox β₂ Microglobulin (Homogeneous Enzyme Immunoassay)**
- Liquid ready-to-use reagents
- Stable to expiry when stored at +2 to +8°C
- Measuring range 0.476 - 20.9mg/l
- Indicates liquid option
- (S) Indicates standard included in kit

**Acusera Controls and Calibrators:**
Liquid Chemistry Premium Plus Control, Immunoassay Premium Control, Liquid Immunoassay Premium Control, Specific Protein Control, Liquid Assayed Chemistry Premium Plus Control and Beta-2-Microglobulin Calibrator

**RIQAS External Quality Assessment:**
Specific Proteins Programme

---

### Aspartate Aminotransferase (AST) (UV) (Mod. IFCC)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AS3804</td>
<td>R1 6 x 51ml</td>
</tr>
<tr>
<td></td>
<td>R2 6 x 14ml</td>
</tr>
<tr>
<td>AS101</td>
<td>R1 1 x 100ml</td>
</tr>
<tr>
<td></td>
<td>R2 1 x 100ml</td>
</tr>
<tr>
<td>AS8005</td>
<td>R1 6 x 56ml</td>
</tr>
<tr>
<td></td>
<td>R2 6 x 20ml</td>
</tr>
<tr>
<td>AS8306</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 7ml</td>
</tr>
<tr>
<td>AS1204</td>
<td>10 x 10ml</td>
</tr>
</tbody>
</table>

**Randox Aspartate Aminotransferase (AST) (UV) (Mod. IFCC)**
- Liquid and lyophilised reagents available
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 4.42 - 657U/l
- Indicates liquid option
- (S) Indicates standard included in kit

**Acusera Controls and Calibrators:**

**RIQAS External Quality Assessment:**
General Clinical Chemistry Programme
**Bile Acids (Colorimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Randox Bile Acids</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BI7982</strong></td>
<td>6 x 50ml</td>
<td>6 x 18ml</td>
<td>(5th generation)</td>
</tr>
<tr>
<td><strong>BI3863</strong></td>
<td>2 x 18ml</td>
<td>2 x 8ml</td>
<td>(5th generation)</td>
</tr>
<tr>
<td><strong>BI2672</strong></td>
<td>10 x 10ml</td>
<td>1 x 30ml</td>
<td></td>
</tr>
<tr>
<td><strong>BI8150</strong></td>
<td>2 x 17.7ml</td>
<td>2 x 8.9ml</td>
<td>(5th generation)</td>
</tr>
</tbody>
</table>

**Indicates liquid option**

**Ordering Information**

- Liquid and lyophilised reagents available
- Stable to expiry when stored at +2 to +8°C
- Measuring range 1.47 - 150µmol/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

- General Clinical Chemistry Programme

---

**Bilirubin Direct**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Randox Bilirubin</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BR2362</strong></td>
<td>2 x 250ml</td>
<td>(Modified Jendrassik)</td>
<td></td>
</tr>
<tr>
<td><strong>BR3807</strong></td>
<td>2 x 30ml</td>
<td>8 x 4ml</td>
<td>(Jendrassik)</td>
</tr>
<tr>
<td><strong>BR8035</strong></td>
<td>4 x 16ml</td>
<td>8 x 4ml</td>
<td>(Jendrassik)</td>
</tr>
<tr>
<td><strong>BR9765</strong></td>
<td>4 x 14ml</td>
<td>6 x 4ml</td>
<td>(Vanadate Oxidation Method)</td>
</tr>
<tr>
<td><strong>BR4060</strong></td>
<td>4 x 20ml</td>
<td>8 x 4ml</td>
<td>(Vanadate Oxidation Method)</td>
</tr>
<tr>
<td><strong>BR8133</strong></td>
<td>4 x 52.2ml</td>
<td>20ml</td>
<td>(Vanadate Oxidation Method)</td>
</tr>
<tr>
<td><strong>BR8308</strong></td>
<td>4 x 20ml</td>
<td>8 x 4ml</td>
<td>(Vanadate Oxidation Method)</td>
</tr>
<tr>
<td><strong>BR8376</strong></td>
<td>4 x 20ml</td>
<td>8 x 4ml</td>
<td>(Vanadate Oxidation Method)</td>
</tr>
</tbody>
</table>

**Indicates liquid option**

**Ordering Information**

- Liquid and lyophilised reagents available
- Stable to expiry when stored at +15 to +25°C
- Measuring range 0.95 - 262µmol/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

- General Clinical Chemistry Programme
### Bilirubin Total

#### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR2361</td>
<td>R1 2 x 250ml (Modified Jendrassik)</td>
</tr>
<tr>
<td>BR3859</td>
<td>R1 2 x 50ml</td>
</tr>
<tr>
<td></td>
<td>R2 8 x 4ml (Jendrassik)</td>
</tr>
<tr>
<td>BR243</td>
<td>R1 1 x 100ml (DCA)</td>
</tr>
<tr>
<td></td>
<td>R2 2 x 100ml</td>
</tr>
<tr>
<td>BR8036</td>
<td>R1 2 x 50ml</td>
</tr>
<tr>
<td></td>
<td>R2 8 x 4ml (Jendrassik)</td>
</tr>
<tr>
<td>BR9766</td>
<td>R1 4 x 68ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 25ml (Vanadate Oxidation Method)</td>
</tr>
<tr>
<td>BR411</td>
<td>1 x 225ml (Total and Direct Bilirubin)</td>
</tr>
<tr>
<td>BR4061</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 8ml (Vanadate Oxidation Method)</td>
</tr>
<tr>
<td>BR8132</td>
<td>R1 4 x 52.2ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 20ml (Vanadate Oxidation Method)</td>
</tr>
<tr>
<td>BR8377</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 8ml (Vanadate Oxidation Method)</td>
</tr>
</tbody>
</table>

- **Randox Bilirubin Total**
  - Liquid and lyophilised reagents available
  - Measuring range 1.50 - 578.98µmol/l
  - ♦ Indicates liquid option

- **Acusera Controls and Calibrators:**

- **RIQAS External Quality Assessment:**
  - General Clinical Chemistry Programme
Calcium (CPC/AMP)

Ordering Information

Cat. No: CA590
- R1 1 x 100ml (S)
- R2 1 x 100ml
Cat. No: CA7941
- R1 6 x 50ml
- R2 3 x 50ml

Randox Calcium (CPC/AMP)
- Liquid ready-to-use reagents
- Open vial stability of 21 days
- Measuring range 0.075 - 5.67 mmol/l
(S) Indicates standard included in the kit

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme

Calcium (Arsenazo)

Ordering Information

CA3871 9 x 51ml
CA8021 4 x 68ml
CA8309 4 x 20ml

Randox Calcium (Arsenazo)
- Liquid ready-to-use reagents
- Stable to expiry when stored at +15 to +25°C
- Measuring range 0.09 - 4.3 mmol/l in serum, 0.1 - 5.91 mmol/l in urine

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme
Carbamazepine (Latex Enhanced Immunoturbidimetric)

Ordering Information

Cat. No: **TD3416**  
R1 2 x 12ml  
R2 2 x 5ml

**Randox Carbamazepine** (Latex Enhanced Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 1.02 - 19.0µg/ml

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

Therapeutic Drugs Programme

---

Chloride (Mercurous (II) - Thiocyanate)

Ordering Information

Cat. No: **CL1645**  
6 x 500ml

**Randox Chloride** (Mercurous (II) - Thiocyanate)

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +15 to +25°C
- Measuring range 35.8 - 205mmol/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme
**Cholesterol Total (CHOD-PAP)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Volume (ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH200</td>
<td>6 x 30ml (S)</td>
</tr>
<tr>
<td>CH201</td>
<td>6 x 100ml (S)</td>
</tr>
<tr>
<td>CH3810</td>
<td>9 x 51ml</td>
</tr>
<tr>
<td>CH8019</td>
<td>4 x 68ml</td>
</tr>
<tr>
<td>CH8310</td>
<td>4 x 20ml</td>
</tr>
</tbody>
</table>

- **Randox Cholesterol Total (CHOD-PAP)**
  - Liquid ready-to-use reagents
  - Stable to expiry date when stored at +2 to +8°C
  - Measuring range 0.22 - 21.7mmol/l
  - (S) Indicates standard included in kit, and is for manual and semi-automated use only

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

Lipid Programme

---

**Cholesterol HDL (Direct Clearance Method)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Volume (ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH1383</td>
<td>R1 3 x 2.5L</td>
</tr>
<tr>
<td></td>
<td>R2 1 x 2.5L</td>
</tr>
<tr>
<td>CH2652</td>
<td>R1 6 x 30ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 20ml</td>
</tr>
<tr>
<td>CH2655</td>
<td>R1 6 x 78ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 52ml</td>
</tr>
<tr>
<td>CH3811</td>
<td>R1 3 x 51ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 20ml</td>
</tr>
<tr>
<td>CH8033</td>
<td>R1 4 x 38.2ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 18.2ml</td>
</tr>
<tr>
<td>CH8311</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 9ml</td>
</tr>
</tbody>
</table>

- **Randox Cholesterol HDL (Direct Clearance Method)**
  - Liquid ready-to-use reagents
  - Stable to expiry date when stored at +2 to +8°C
  - Measuring range 0.189 - 4.03mmol/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

Lipid Programme
Cholesterol HDL (Phosphotungstic Acid)

Ordering Information
Cat. No: CH203 4 x 80ml (Precipitant)*

Randox Cholesterol HDL (Phosphotungstic Acid)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +15 to +25°C
- Measuring range 0.071 - 23.7mmol/l

Acusera Controls and Calibrators:
Lipid Control and Cholesterol Standard

RIQAS External Quality Assessment:
Lipid Programme

Cholesterol LDL (Direct Clearance Method)

Ordering Information
Cat. No: CH2656 R1 6 x 78ml
R2 3 x 52ml

CH3841 R1 3 x 51ml
R2 3 x 20ml

CH8032 R1 4 x 19.2ml
R2 4 x 10.1ml

CH8312 R1 4 x 20ml
R2 4 x 9ml

Randox Cholesterol LDL (Direct Clearance Method)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.189 - 26.1mmol/l

Acusera Controls and Calibrators:
Lipid Control, Liquid Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and HDL/LDL Calibrator

RIQAS External Quality Assessment:
Lipid Programme
**Cholinesterase (Butyryl) (Colorimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No:</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE190</td>
<td>5 x 30ml</td>
<td>5 x 1ml</td>
</tr>
</tbody>
</table>

**Randox Cholinesterase (Butyryl) (Colorimetric)**

- Lyophilised reagents
- Stable for 6 weeks at +2 to +8°C
- Measuring range 455 - 28722U/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme

---

**Cholesterol sdLDL (Clearance Method)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No:</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>562616</td>
<td>1 x 19.8ml</td>
<td>1 x 8.6ml</td>
</tr>
<tr>
<td>CH8153</td>
<td>1 x 16.2ml</td>
<td>1 x 8.2ml</td>
</tr>
<tr>
<td>562760(U)</td>
<td>1 x 18ml</td>
<td>1 x 7ml</td>
</tr>
<tr>
<td>562791*(U)</td>
<td>5 x 200ml</td>
<td></td>
</tr>
<tr>
<td>562807*(U)</td>
<td>2 x 200ml</td>
<td></td>
</tr>
</tbody>
</table>

**Randox Cholesterol sdLDL (Clearance Method)**

- Liquid ready-to-use reagents
- Open vial stability: 28 days at +2 to +8°C
- Measuring range 4 - 100mg/dl

(U) indicates for use in the USA only

(*) indicates that both kits must be purchased together

**Acusera Controls and Calibrators:**

sdLDL Control and sdLDL Calibrator
**CK-MB** (ImmunoInhibition) (UV)

**Ordering Information**

<table>
<thead>
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<th>Cat. No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>CK1296</td>
<td>19 x 2.5ml</td>
</tr>
<tr>
<td>CK7946</td>
<td>R1 6 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 10ml</td>
</tr>
<tr>
<td>CK3813</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 6ml</td>
</tr>
<tr>
<td>CK4043</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 6ml</td>
</tr>
<tr>
<td>CK8148</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 8ml</td>
</tr>
</tbody>
</table>

**Randox CK-MB** (ImmunoInhibition) (UV)

- Liquid and lyophilised reagents available
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 9.1 - 2216U/l
- ♦ Indicates liquid option

**Acusera Controls and Calibrators:**

CK-MB Control, Cardiac Control, Liquid Chemistry Premium Plus Control and CK-MB Calibrator

**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme

---

**CK-NAC** (UV DGKC)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CK110</td>
<td>20 x 2.5ml</td>
</tr>
<tr>
<td>CK3812</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 6ml</td>
</tr>
<tr>
<td>CK3892</td>
<td>R1 4 x 16.5ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 6.2ml (IFCC)</td>
</tr>
<tr>
<td>CK8313</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 7ml</td>
</tr>
</tbody>
</table>

**Randox CK-NAC** (UV DGKC)

- Liquid and lyophilised reagents available
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 9.16 - 2886U/l
- ♦ Indicates liquid option

**Acusera Controls and Calibrators:**

Liquid Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control and Clinical Chemistry Calibration Serum

**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme
CO₂ Total (Enzymatic)

Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD127</td>
<td>10 x 10ml (C)</td>
</tr>
<tr>
<td>CD4006</td>
<td>4 x 21.7ml (C)</td>
</tr>
<tr>
<td>CD8027</td>
<td>4 x 21.7ml (C)</td>
</tr>
<tr>
<td>CD8357</td>
<td>4 x 18ml (C)</td>
</tr>
</tbody>
</table>

Randox CO₂ Total (Enzymatic)

- Liquid and lyophilised reagents available
- Stable to expiry date when stored at +2 to +8°C
- Open vial stability: 14 days at +10°C
- Measuring range 0.004 - 50mmol/l

(C) Indicates liquid option

(C) Indicates calibrator included in kit

Acusera Controls and Calibrators:

Liquid Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control and Clinical Chemistry Calibration Serum

RIQAS External Quality Assessment:

General Clinical Chemistry Programme

Complement C3 (Immunoturbidimetric)

Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM3845</td>
<td>R1 3 x 20ml R2 3 x 6ml</td>
</tr>
</tbody>
</table>

Randox Complement C3 (Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 13 - 502mg/dl

Acusera Controls and Calibrators:

Specific Protein Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Specific Protein Calibrator

RIQAS External Quality Assessment:

Specific Proteins Programme
**Complement C4 (Immunoturbidimetric)**

**Ordering Information**
Cat. No: CM3846
- R1 3 x 20ml
- R2 3 x 6ml

**Randox Complement C4 (Immunoturbidimetric)**
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 2.9 - 152mg/dl

**Acusera Controls and Calibrators:**
Specific Protein Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Specific Protein Calibrator

**RIQAS External Quality Assessment:**
Specific Proteins Programme

---

**Copper (Colorimetric)**

**Ordering Information**
Cat. No: CU2340
- R1 5 x 20ml ($)
- R2 1 x 30ml

**Randox Copper (Colorimetric)**
- Lyophilised reagents
- Stable for 2 weeks when stored at +2 to +8°C
- Measuring range 6.6 - 86µmol/l

($) Indicates standard included in kit, and is for manual and semi-automated use only

**Acusera Controls and Calibrators:**

**RIQAS External Quality Assessment:**
General Clinical Chemistry Programme
Creatinine (JAFFE)

Ordering Information

Cat. No: CR510 1 x 200ml (S)
CR524 6 x 500ml (S)
CR3814 R1 6 x 51ml
R2 3 x 28ml
CR7948 R1 7 x 50ml
R2 2 x 40ml
CR8022 R1 6 x 68ml
R2 6 x 20ml
CR8316 R1 4 x 20ml
R2 4 x 7ml

Randox Creatinine (JAFFE)

• Liquid ready-to-use reagents
• Open vial stability 21 days at +2 to +8°C
• Measuring range 16 - 2448µmol/l
(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:
General Clinical Chemistry Programme

Creatinine (Enzymatic UV)

Ordering Information

Cat. No: CR2336 R1 4 x 50ml (S)
R2 4 x 10ml
CR2337 R1 4 x 100ml (S)
R2 4 x 20ml
CR4037 R1 4 x 50ml ♣
R2 4 x 19.5ml
CR8122 R1 4 x 65ml ♣
R2 4 x 32.3ml

Randox Creatinine (Enzymatic UV)

• Liquid and lyophilised reagents available
• Measuring range 11.4 - 2460µmol/l
(S) Indicates standard included in kit, and is for manual and semi-automated use only
♣ Indicates liquid option

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:
General Clinical Chemistry Programme
**CRP (Immunoturbidimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP7950</td>
<td>7 x 20ml</td>
<td>2 x 12ml</td>
</tr>
<tr>
<td>CP9742</td>
<td>6 x 66ml</td>
<td>6 x 13ml</td>
</tr>
<tr>
<td>CP3826</td>
<td>6 x 20ml</td>
<td>3 x 9ml</td>
</tr>
<tr>
<td>CP2714</td>
<td>100T (Glass latex slide test)</td>
<td></td>
</tr>
</tbody>
</table>

**Randox CRP (Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 2.88 - 220mg/l

**Acusera Controls and Calibrators:**

CRP Control, Specific Protein Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control, CRP Calibrator and Specific Protein Calibrator

**RIQAS External Quality Assessment:**

Specific Proteins Programme

---

**CRP Canine (Immunoturbidimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP2798</td>
<td>7 x 20ml (C)</td>
<td>2 x 12ml</td>
</tr>
<tr>
<td>CP10389</td>
<td>2 x 18ml</td>
<td>2 x 5ml</td>
</tr>
</tbody>
</table>

**Randox CRP Canine (Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.8 - 22mg/dl

(C) Indicates calibrator included in kit

**Acusera Controls and Calibrators:**

Canine CRP Controls

---

**CRP Full Range (Latex Enhanced Immunoturbidimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP3847</td>
<td>2 x 11ml</td>
<td>2 x 11ml</td>
</tr>
<tr>
<td>CP3849</td>
<td>4 x 50ml</td>
<td>4 x 50ml</td>
</tr>
<tr>
<td>CP8028</td>
<td>2 x 13ml</td>
<td>2 x 13ml</td>
</tr>
<tr>
<td>CP8315</td>
<td>4 x 10ml</td>
<td>4 x 10ml</td>
</tr>
</tbody>
</table>

**Randox CRP Full Range (Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.3 - 161mg/l

**Acusera Controls and Calibrators:**

CRP Control, Specific Protein Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, CRP Calibrator and Specific Protein Calibrator

**RIQAS External Quality Assessment:**

Specific Proteins Programme
CRP High Sensitivity (Latex Enhanced Immunoturbidimetric)

Ordering Information
Cat. No: CP3885
R1 2 x 11ml
R2 2 x 11ml

Randox CRP High Sensitivity (Latex Enhanced Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.270 - 10mg/l

Acusera Controls and Calibrators:
High Sensitivity CRP Control, Tri-Level Cardiac Control and High Sensitivity CRP Calibrator Series

RIQAS External Quality Assessment:
Liquid Cardiac Programme

Cystatin C (Latex Enhanced Immunoturbidimetric)

Ordering Information
Cat. No: CYS4004
R1 2 x 17.6ml
R2 2 x 6.1ml

Randox Cystatin C (Latex Enhanced Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable onboard the analyser for 28 days when stored at +10°C
- Measuring range 0.4 - 10mg/l

Acusera Controls and Calibrators:
Cystatin C Control and Cystatin C Calibrator

Digoxin (Latex Enhanced Immunoturbidimetric)

Ordering Information
Cat. No: TD3410
R1 2 x 8ml
R2 2 x 6ml

Randox Digoxin (Latex Enhanced Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.371 - 5.46ng/ml

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Therapeutic Drugs Programme
Ethanol (Enzymatic)

Ordering Information
Cat. No: DA4015
- R1 2 x 16.9ml
- R2 2 x 8ml

Randox Ethanol (Enzymatic)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 3 - 500mg/dl

Acusera Controls and Calibrators:
Ethanol Control, Liquid Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Ethanol Calibrator

RIQAS External Quality Assessment:
Urine Toxicology Programme

Ferritin (Latex Enhanced Immunoturbidimetric)

Ordering Information
Cat. No: FN3452
- R1 1 x 40ml
- R2 1 x 20ml

FN3453
- R1 4 x 40ml
- R2 4 x 20ml

FN3888
- R1 3 x 20ml
- R2 3 x 11ml

FN8037
- R1 4 x 16.2ml
- R2 4 x 10.2ml

Randox Ferritin (Latex Enhanced Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 5.08 - 443ng/ml

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Specific Proteins Programme
**Fructosamine (Glycated Protein) (Enzymatic)**

**Ordering Information**

Cat. No: FR3133  
R1 5 x 25ml  
R2 5 x 6.3ml  

FR4030  
R1 4 x 19.8ml  
R2 4 x 6.9ml

**Randox Fructosamine (Glycated Protein) (Enzymatic)**

- Liquid ready-to-use reagents  
- Stable to expiry date when stored at +2 to +8°C  
- Measuring range 8.12 - 1803µmol/l

**Acusera Controls and Calibrators:**

Fructosamine Controls and Fructosamine Calibrator

**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme

---

**G6PDH (UV)**

**Ordering Information**

Cat. No: PD410  
R1 1 x 100ml  
R2 1 x 2ml  

PD2616  
750 T (Screen Test)

**Randox G6PDH (UV)**

- Lyophilised reagents  
- Measuring range 154 - 4303U/l  
- Stable for 4 weeks following reconstitution when stored at +2°C to +8°C

**Acusera Controls and Calibrators:**

G6PDH Control

---

**Gamma GT (Colorimetric)**

**Ordering Information**

Cat. No: GT3817  
R1 6 x 51ml  
R2 6 x 14ml

GT3874  
6 x 21ml

GT8320  
R1 4 x 20ml  
R2 4 x 7ml  
(Mod. IFCC)

GT8146  
R1 7 x 20ml  
R2 7 x 8ml

**Randox Gamma GT (Colorimetric)**

- Liquid and lyophilised reagents available  
- Stable to expiry date when stored at +2 to +8°C  
- Measuring range 3.9 - 1285U/l  
- Indicates liquid option

**Acusera Controls and Calibrators:**

Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Clinical Chemistry Calibration Serum

**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme
Gentamicin (Latex Enhanced Immunoturbidimetric)

Ordering Information
Cat. No: TD3413
R1 2 x 15ml
R2 2 x 6ml

Randox Gentamicin (Latex Enhanced Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.847 - 11µg/ml

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Therapeutic Drugs Programme

GLDH (UV) (DGKC)

Ordering Information
Cat. No: GL441
8 x 6ml
GL442
5 x 100ml

Randox GLDH (UV) (DGKC)
- Lyophilised reagents
- Stable to expiry when stored at +2 to +8°C
- Measuring range 2.90 - 77.3 U/l

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme
### Glucose (GOD-PAP & Hexokinase)

#### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GL1611</td>
<td>4 x 100ml (S) (Hexokinase)</td>
</tr>
<tr>
<td>GL3881</td>
<td>4 x 50ml</td>
</tr>
<tr>
<td>GL8038</td>
<td>4 x 68ml</td>
</tr>
<tr>
<td>GL364</td>
<td>10 x 100ml (S)</td>
</tr>
<tr>
<td>GL366</td>
<td>6 x 500ml (S)</td>
</tr>
<tr>
<td>GL3981</td>
<td>4 x 20ml</td>
</tr>
<tr>
<td>GL2614</td>
<td>2 x 500ml (S)</td>
</tr>
<tr>
<td>GL2623</td>
<td>6 x 100ml (S)</td>
</tr>
<tr>
<td>GL3815</td>
<td>9 x 51ml</td>
</tr>
<tr>
<td>GL3816</td>
<td>R1 4 x 51ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 20ml (Hexokinase)</td>
</tr>
<tr>
<td>GL8318</td>
<td>4 x 20ml</td>
</tr>
<tr>
<td>GL8319</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 6.5ml (Hexokinase)</td>
</tr>
</tbody>
</table>

#### Randox Glucose (GOD-PAP & Hexokinase)

- Liquid and lyophilised reagents
- Stable to expiry at +2 to +8°C
- Measuring range 0.200 - 35.5mmol/l

(S) Indicates standard included in kit, and is for manual and semi-automated use only

* Indicates liquid option

#### Acusera Controls and Calibrators:


#### RIQAS External Quality Assessment:

General Clinical Chemistry Programme
Glutamate (Colorimetric)

Ordering Information
Cat. No: GM1372 4 x 20ml

Randox Glutamate (Colorimetric)
- Lyophilised reagents
- Stable to expiry when stored at +2 to +8°C
- Measuring range 0.11 - 10mmol/l
- For Biotechnology Industrial Use Only. Not for use in diagnostic procedures.

Acusera Controls and Calibrators:
Multi-control and Multi-calibrator

Glutamine (Colorimetric)

Ordering Information
Cat. No: GM1373 R1 4 x 16ml
R2 4 x 6.7ml

Randox Glutamine (Colorimetric)
- Lyophilised reagents
- Stable to expiry when stored at +2 to +8°C
- Measuring range 0.14 - 10mmol/l
- For Biotechnology Industrial Use Only. Not for use in diagnostic procedures.

Acusera Controls and Calibrators:
Glutamine Control and Glutamine Calibrator

Glutathione Peroxidase (Ransel) (Enzymatic)

Ordering Information
Cat. No: RS504 8 x 6.5ml
RS505 8 x 10ml

Randox Glutathione Peroxidase (Ransel) (Enzymatic)
- Lyophilised reagents
- Working reagent stable for 48 hours at +2 to +8°C
- Measuring range 75 - 925U/l

Acusera Controls and Calibrators:
Glutathione Peroxidase (Ransel) Control
Glutathione Reductase (UV)

Ordering Information
Cat. No: GR2368
R1 5 x 5ml
R2 5 x 3ml

Glutathione Reductase (UV)
• Lyophilised reagents
• Working reagent stable for 2 days when stored at +2 to +8°C
• Measuring range 9.69 - 387U/l

Acusera Controls and Calibrators:
Glutathione Reductase Control and Glutathione Reductase Calibrator

Glycerol (GPO-PAP)

Ordering Information
Cat. No: GY105
6 x 15ml (S)

Randox Glycerol (GPO-PAP)
• Lyophilised reagents
• Working reagent stable for 14 days when stored at +2 to +8°C or 3 days at +15 to +25°C
• Measuring range 14.5 - 2545μmol/l
(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:
Glycerol Control

Haemoglobin (Colorimetric)

Ordering Information
Cat. No: HG1539
5 x 100ml

Randox Haemoglobin (Colorimetric)
• Liquid reagents
• Stable to expiry when stored at +2 to +8°C
• No extraction needed with whole blood application
• Excellent linearity up to 21g/dl

Acusera Controls and Calibrators:
HbA1c Control and HbA1c Calibrator Series

RIQAS External Quality Assessment:
Glycated Haemoglobin Programme
**Haptoglobin (Immunoturbidimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP3886</td>
<td>1 x 12ml</td>
<td>1 x 3.825ml</td>
</tr>
<tr>
<td>HP8151</td>
<td>2 x 10.2ml</td>
<td>2 x 4.2ml</td>
</tr>
</tbody>
</table>

**Randox Haptoglobin (Immunoturbidimetric)**
- Liquid reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 0.13 - 3.68g/l
- Indicates liquid option

**Acusera Controls and Calibrators**:
Specific Protein Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Specific Protein Calibrator

**RIQAS External Quality Assessment**:
Specific Proteins Programme

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**HbA1c Indirect (Latex Enhanced Immunoturbidimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA3830</td>
<td>3 x 14ml</td>
<td>3 x 14ml</td>
</tr>
<tr>
<td>HA8321</td>
<td>4 x 7.8ml</td>
<td>4 x 7.8ml</td>
</tr>
</tbody>
</table>

**Randox HbA1c Indirect (Latex Enhanced Immunoturbidimetric)**
- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 0.25 - 2.4g/dl

**Acusera Controls and Calibrators**:
HbA1c Control Set, Liquid HbA1c Control and HbA1c Calibrator Series

**RIQAS External Quality Assessment**:
Glycated Haemoglobin Programme
**Heart-type Fatty Acid Binding Protein (H-FABP) (Immunoturbidimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA8123</td>
<td>1 x 19ml</td>
<td>1 x 8.2ml</td>
</tr>
<tr>
<td>HA8379</td>
<td>1 x 12.7ml</td>
<td>1 x 6ml</td>
</tr>
<tr>
<td>HA4068</td>
<td>1 x 20ml</td>
<td>1 x 8.6ml</td>
</tr>
</tbody>
</table>

**Randox Heart-type Fatty Acid Binding Protein (H-FABP) (Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Stable to expiry at +2 to +8°C
- Measuring range 0.747 - 120ng/ml

**Acusera Controls and Calibrators:**

H-FABP Control Set and H-FABP Calibrator Series

**RIQAS External Quality Assessment:**

Glycated Haemoglobin Programme

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**HbA1c II Direct (Latex Immunoagglutination)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA8123</td>
<td>4 x 16.2ml</td>
<td>2 x 8.2ml</td>
</tr>
<tr>
<td>HA8379</td>
<td>4 x 12.7ml</td>
<td>2 x 6ml</td>
</tr>
<tr>
<td>HA4068</td>
<td>4 x 20ml</td>
<td>4 x 8.6ml</td>
</tr>
</tbody>
</table>

**Randox HbA1c II Direct (Latex Immunoagglutination)**

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- For use with RX series of clinical chemistry analysers only

**Acusera Controls and Calibrators:**

HbA1c Control Set, Liquid HbA1c Control and HbA1c II Calibrator Series

**RIQAS External Quality Assessment:**

Glycated Haemoglobin Programme

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**Homocysteine (Enzymatic)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HY4036</td>
<td>2 x 21.7ml (C)</td>
<td>2 x 4.6ml</td>
</tr>
</tbody>
</table>

**Randox Homocysteine (Enzymatic)**

- Liquid ready-to-use reagents
- Stable on board the analyser for 28 days at +10°C
- Measuring range 1.7 - 47.9μmol/l

(C) Indicates calibrator included in kit

**Acusera Controls and Calibrators:**

Tri-Level Cardiac Control

**RIQAS External Quality Assessment:**

Cardiac Programme
## D-3-Hydroxybutyrate (Ranbut) (Enzymatic)

### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB1007</td>
<td>10 x 10ml (S)</td>
<td></td>
</tr>
<tr>
<td>RB1008</td>
<td>10 x 50ml (S)</td>
<td></td>
</tr>
<tr>
<td>RB4067</td>
<td>R1 2 x 20ml</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R2 2 x 5.8ml</td>
<td></td>
</tr>
<tr>
<td>RB8378</td>
<td>R1 2 x 20ml</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R2 2 x 6.1ml</td>
<td></td>
</tr>
</tbody>
</table>

- Liquid and lyophilised options available
- Measuring range 0.100 - 5.75mmol/l in serum
- (S) Indicates standard included in kit, and is for manual and semi-automated use only
- ♦ Indicates liquid option

### Acusera Controls and Calibrators:


### RIQAS External Quality Assessment:

- General Clinical Chemistry Programme

## IgA (Immunoturbidimetric)

### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA3832</td>
<td>R1 3 x 20ml</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R2 3 x 14ml</td>
<td></td>
</tr>
<tr>
<td>IA8046</td>
<td>R1 5 x 8.7ml</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R2 5 x 3.9ml</td>
<td></td>
</tr>
</tbody>
</table>

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 0.21 - 6.25g/l

### Acusera Controls and Calibrators:

- Specific Protein Control, Liquid Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control, Immunoglobulin Calibrators and Specific Protein Calibrator

### RIQAS External Quality Assessment:

- Specific Proteins Programme
**IgE (Immunoturbidimetric)**

**Ordering Information**

Cat. No: **IE7308**

- **R1** 1 x 8ml
- **R2** 1 x 5ml

**Randox IgE (Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 19.6 - 1007 IU/ml

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

Specific Proteins Programme

---

**IgG (Immunoturbidimetric)**

**Ordering Information**

Cat. No: **IG8333**

- **R1** 3 x 20ml
- **R2** 3 x 14ml

Cat. No: **IG8044**

- **R1** 4 x 8.7ml
- **R2** 4 x 3.9ml

**Randox IgG (Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Open vial stability: 28 days at +10°C
- Measuring range 1.61 - 56 g/l

**Acusera Controls and Calibrators:**

Specific Protein Control, Liquid Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control, Specific Protein Calibrator and Immunoglobulin Calibrators

**RIQAS External Quality Assessment:**

Specific Proteins Programme
### IgM (Immunoturbidimetric)

**Ordering Information**

**Cat. No:**  
IM3834  
IM8045

- 3 x 20ml  
- R1 4 x 8.7ml  
- R2 4 x 3.9ml

**Randox IgM (Immunoturbidimetric)**
- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 12.8 - 346mg/dl

**Acusera Controls and Calibrators:**
Specific Protein Control, Liquid Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control, Specific Protein Calibrator and Immunoglobulin Calibrators

**RIQAS External Quality Assessment:**
Specific Proteins Programme

### Iron (Ferrozine)

**Ordering Information**

**Cat. No:**  
SI3821  
SI8049  
SI8330

- R1 6 x 20ml  
- R2 3 x 11ml  
- R1 7 x 15.5ml  
- R2 7 x 6.7ml  
- R1 4 x 20ml  
- R2 4 x 7ml

**Randox Iron (Ferrozine)**
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +15 to +25°C
- Measuring range 2 - 197µmol/l

**Acusera Controls and Calibrators:**

**RIQAS External Quality Assessment:**
General Clinical Chemistry Programme
Iron (Ferene)

Ordering Information
Cat. No: SI257 2 x 100ml (S)

Randox Iron (Ferene)
- Lyophilised reagents
- Measuring range 0.964 - 150µmol/l

(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme

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L-Lactate (Colorimetric)

Ordering Information
Cat. No: LC2389 16 x 6ml (S)
LC3980 4 x 20.5ml

Randox L-Lactate (Colorimetric)
- Lyophilised reagents
- Working reagent stable for 2 weeks at +15 to +25°C
- Measuring range 0.100 - 19.7mmol/l

(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme
**Lactate Dehydrogenase (LD) Lactate - Pyruvate (NAD)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No:</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD3842</td>
<td>6 x 20ml</td>
<td>3 x 18ml</td>
</tr>
<tr>
<td>LD8052</td>
<td>4 x 68ml</td>
<td>4 x 37.2ml</td>
</tr>
</tbody>
</table>

- Liquid ready-to-use reagents
- Stable to expiry at +2 to +8°C
- Measuring range 8.8 - 635U/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

- General Clinical Chemistry Programme

---

**Lactate Dehydrogenase (LD) Pyruvate - Lactate (UV)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No:</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD401</td>
<td>20 x 3ml</td>
</tr>
<tr>
<td>LD3818</td>
<td>R1 6 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 11ml</td>
</tr>
<tr>
<td>LD8051</td>
<td>R1 6 x 56ml</td>
</tr>
<tr>
<td></td>
<td>R2 6 x 20ml</td>
</tr>
<tr>
<td>LD8322</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 7ml</td>
</tr>
</tbody>
</table>

- Liquid and lyophilised reagents available
- Stable to expiry date at +2 to +8°C
- Measuring range 42.3 - 1191U/l
  - Indicates liquid option

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

- General Clinical Chemistry Programme
### Lipase (Colorimetric)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LI3837</td>
<td>3 x 9ml</td>
<td>3 x 6ml</td>
</tr>
<tr>
<td>LI7979</td>
<td>6 x 20ml</td>
<td>3 x 20ml</td>
</tr>
<tr>
<td>LI8050</td>
<td>4 x 16.2ml</td>
<td>4 x 10ml</td>
</tr>
</tbody>
</table>

**Randox Lipase** (Colorimetric)

- Liquid ready-to-use reagents
- Stable to expiry when stored at +2 to +8°C
- Measuring range 2 - 744U/l
- Indicates liquid option

**Acusera Controls and Calibrators:**

Liquid Chemistry Premium Plus Control, Assayed Chemistry
Premium Plus Control, Precision Chemistry, Premium Plus
Control, Liquid Assayed Chemistry Premium Plus Control and
Clinical Chemistry Calibration Serum

**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme

---

### Lipoprotein (a) (Latex Enhanced Immunoturbidimetric)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP2757</td>
<td>1 x 30ml</td>
<td>1 x 15ml</td>
</tr>
<tr>
<td>LP3403</td>
<td>1 x 10ml</td>
<td>1 x 6ml</td>
</tr>
<tr>
<td>LP8054</td>
<td>2 x 8.7ml</td>
<td>2 x 5.8ml</td>
</tr>
</tbody>
</table>

**Randox Lipoprotein (a)** (Latex Enhanced Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 3 - 90mg/dl

**Acusera Controls and Calibrators:**

Lipoprotein (a) Control, Lipid Control, Liquid Chemistry
Premium Plus Control, Liquid Assayed Chemistry Premium Plus
Control and Lipoprotein (a) Calibrator

**RIQAS External Quality Assessment:**

Lipid Programme
Lithium (Colorimetric)

Ordering Information
Cat. No: LM4005
R1 2 x 18.3ml
R2 2 x 6.5ml

Randox Lithium (Colorimetric)
- Liquid ready-to-use reagents
- Measuring range 0.218 - 3mmol/l
- Stable to expiry date at +2 to +8°C

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Therapeutic Drugs Programme

Magnesium (Xylidyl Blue)

Ordering Information
Cat. No: MG3880 6 x 20ml
MG8326 2 x 16.5ml

Randox Magnesium (Xylidyl Blue)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.036-3.27 mmol/l in serum and 0.199 - 21.4mmol/l in urine

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme
Microalbumin (Immunoturbidimetric)

Ordering Information

Cat. No: MA2426  R1 1 x 60ml (C)  R2 1 x 7ml
MA3828  R1 6 x 20ml  R2 3 x 8ml
MA8056  R1 2 x 20ml  R2 2 x 6.6ml
MA8325  R1 1 x 20ml  R2 1 x 4.6ml
MA4072  R1 3 x 20ml  R2 3 x 7.5ml
MA8388  R1 1 x 20ml  R2 1 x 7.8ml
MA8160  R1 2 x 20ml  R2 2 x 9ml

Randox Microalbumin (Immunoturbidimetric)

- Peg Enhanced Immunoturbidimetric
- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range of 4.06 - 396mg/l

(C) Indicates calibrator included in kit

Acusera Controls and Calibrators:
Microalbumin Control and Calibrator Series, Assayed Urine Chemistry Control, Liquid Urine Control and Microalbumin Calibrator Series

RIQAS External Quality Assessment:
Human Urine Programme

Myoglobin (Latex Enhanced Immunoturbidimetric)

Ordering Information

Cat. No: MY2127  R1 1 x 9.5ml  R2 1 x 4.5ml

Randox Myoglobin (Latex Enhanced Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 20.1 - 725ng/ml

Acusera Controls and Calibrators:
Tri-Level Cardiac Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Myoglobin Calibrator Series

RIQAS External Quality Assessment:
Cardiac Programme, Liquid Cardiac Programme
Non-Esterified Fatty Acids (NEFA) (Colorimetric)

Ordering Information
Cat. No: FA115
R1 3 x 10ml (C)
R2 3 x 20ml

Randox Non-Esterified Fatty Acids (NEFA) (Colorimetric)
- Lyophilised reagents
- Working reagent stable for 5 days at +2 to +8°C
- Measuring range 0.072 - 2.24mmol/l
(C) Indicates calibrator included in kit

Acusera Controls and Calibrators:
Assayed Chemistry Premium Plus Control and Precision Chemistry Premium Plus Control

RIQAS External Quality Assessment:
General Clinical Chemistry Programme

Phenobarbital (Latex Enhanced Immunoturbidimetric)

Ordering Information
Cat. No: TD3408
R1 2 x 17ml
R2 2 x 6ml

Randox Phenobarbital (Latex Enhanced Immunoturbidimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 2.55 - 87.7µg/ml

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Therapeutic Drugs Programme
Phosphorus (Inorganic)(UV)

Ordering Information

Cat. No: PH1016  300ml (S)
          PH3872  6 x 20ml
          PH8048  R1 6 x 68ml
          R2 6 x 40.3ml
          PH8328  R1 4 x 12.7ml
          R2 4 x 7.1ml

Randox Phosphorus (Inorganic)(UV)
• Liquid ready-to-use reagents
• Stable to expiry date when stored at +15 to +25°C
• Measuring range 0.065 - 10mmol/l in serum / plasma
(S) Indicates standard included in kit, and is for manual
and semi-automated use only

Acusera Controls and Calibrators:
Liquid Chemistry Premium Plus Control, Assayed Chemistry
Premium Plus Control, Precision Chemistry Premium Plus Control,
Liquid Urine Control, Assayed Urine Chemistry Control and Clinical Chemistry Calibration Serum

RIQAS External Quality Assessment:
General Clinical Chemistry Programme

Phenytoin (Latex Enhanced Immunoturbidimetric)

Ordering Information

Cat. No:  TD3409  R1 2 x 17ml
          R2 2 x 6ml

Randox Phenytoin (Latex Enhanced Immunoturbidimetric)
• Liquid ready-to-use reagents
• Stable to expiry date when stored at +2 to +8°C
• Measuring range 2.9 - 44.5µg/ml

Acusera Controls and Calibrators:
Therapeutic Drug Control, Liquid Chemistry Premium
Plus Control, Precision Chemistry Premium Plus Control,
Immunoassay Premium Control, Liquid Immunoassay
Premium Control, Immunoassay Premium Plus Control,
Liquid Assayed Chemistry Premium Plus Control and
Therapeutic Drug Calibrator

RIQAS External Quality Assessment:
Therapeutic Drugs Programme
Potassium (UV)

**Ordering Information**

Cat. No: **PT3852**

- R1 3 x 20ml
- R2 3 x 9ml

**Randox Potassium (UV)**

- Lyophilised reagents
- Working reagent stable for 7 days at +2 to +8°C
- Measuring range 0.8 - 10mmol/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme

---

Rheumatoid Factor (Latex Enhanced Immunoturbidimetric)

**Ordering Information**

Cat. No: **RF3836**

- R1 2 x 20ml
- R2 2 x 8ml

Cat. No: **RF7980**

- R1 2 x 15ml
- R2 1 x 10ml

Cat. No: **RF2716**

- 100 T (Glass latex slide test)

Cat. No: **RF8063**

- R1 2 x 8.7ml
- R2 2 x 4.7ml

Cat. No: **RF8345**

- R1 1 x 11.7ml
- R2 1 x 5.7ml

**Randox Rheumatoid Factor (Latex Enhanced Immunoturbidimetric)**

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 6.72 - 104IU/ml

**Acusera Controls and Calibrators:**

Specific Protein Control and Rheumatoid Factor Calibrator Series

**RIQAS External Quality Assessment:**

Specific Proteins Programme
**Sodium** (Enzymatic)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA3851</td>
<td>3 x 20ml</td>
<td>3 x 9ml</td>
</tr>
<tr>
<td>NA8327</td>
<td>4 x 10ml</td>
<td>4 x 6ml</td>
</tr>
</tbody>
</table>

**Randox Sodium** (Enzymatic)

- Lyophilised reagents
- Working reagent stable for 2 weeks at +2 to +8°C or 5 days at +15 to +25°C
- Measuring range 37.3 - 187.8 mmol/l

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme

---

**Soluble Transferrin Receptor** (sTfR) (Latex Enhanced Immunoturbidimetric)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF10159</td>
<td>1 x 9ml</td>
<td>1 x 5.8ml</td>
</tr>
</tbody>
</table>

**Randox Soluble Transferrin Receptor** (sTfR) (Latex Enhanced Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry when stored at +2 to 8°C.
- Measuring Range 0.50 - 11.77 mg/L

**Acusera Controls and Calibrators:**

sTfR control and sTfR calibrator
**Superoxide Dismutase (Ransod)(Colorimetric)**

**Ordering Information**

Cat. No: **SD125**  
5 x 20ml (S)

**Randox Superoxide Dismutase (Ransod)(Colorimetric)**

- Lyophilised reagents
- Working reagent stable for 10 days when stored at +2 to +8°C

(S) Indicates standard included in kit, and is for manual and semi-automated use only

**Acusera Controls and Calibrators:**

Superoxide Dismutase (Ransod) Control

---

**Syphilis (Rapid Plasma Reagin) (RPR)**

**Ordering Information**

Cat. No: **SY1478**  
100T (card test)

**Randox Syphilis (Rapid Plasma Reagin) (RPR)**

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Qualitative or quantitative results

**Acusera Controls and Calibrators:**

ToRCH Negative Control, ToRCH Positive, Control and Serology Negative Control, Serology 1 Positive Control

**RIQAS External Quality Assessment:**

Serology (Syphilis) Programme

---

**Syphilis (TPHA) (Indirect Haemagglutination)**

**Ordering Information**

Cat. No: **SY1480**  
100T

**Randox Syphilis (TPHA) (Indirect Haemagglutination)**

- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Qualitative or quantitative results

**Acusera Controls and Calibrators:**

ToRCH Negative Control, ToRCH Positive, Control and Serology Negative Control, Serology 1 Positive Control

**RIQAS External Quality Assessment:**

Serology (Syphilis) Programme
Total Antioxidant Status (TAS) (Colorimetric)

Ordering Information
Cat. No: NX2332 5 x 10ml

Randox Total Antioxidant Status (TAS) (Colorimetric)
- Lyophilised reagents
- Working reagent stable for 2 days at +2 to +8°C or 8 hours at +15 to +25°C
- Linear up to 2.50 mmol/l

Acusera Controls and Calibrators:
Total Antioxidant Status Control

Total Iron Binding Capacity (Colorimetric)

Ordering Information
Cat. No: TI4064 R1 4 x 9ml
R2 4 x 4ml
TI8065 R1 4 x 8.7ml
R2 4 x 4.9ml
TI8375 R1 4 x 10ml
R2 4 x 5.1ml

Randox Total Iron Binding Capacity (Colorimetric)
- Liquid ready-to-use reagents
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 57.7 - 672µg/dl

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
General Clinical Chemistry Programme
Total Protein (Biuret)

Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Volume</th>
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<tbody>
<tr>
<td>TP245</td>
<td>2 x 500ml (S)</td>
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<tr>
<td>TP3869</td>
<td>9 x 51ml</td>
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<tr>
<td>TP4001</td>
<td>R1 4 x 51ml</td>
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<tr>
<td></td>
<td>R2 4 x 44ml</td>
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<tr>
<td>TP8066</td>
<td>R1 4 x 68ml</td>
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<tr>
<td></td>
<td>R2 4 x 68ml</td>
</tr>
<tr>
<td>TP8336</td>
<td>R1 4 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 4 x 17ml</td>
</tr>
</tbody>
</table>

Randox Total Protein (Biuret)

- Liquid ready-to-use reagents
- Stable to expiry at +15 to +25°C
- Measuring range 2.45 - 150g/l

(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:

General Clinical Chemistry Programme

Transferrin (Immunoturbidimetric)

Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF7197</td>
<td>R1 6 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 2 x 15ml</td>
</tr>
<tr>
<td>TF3831</td>
<td>R1 6 x 20ml</td>
</tr>
<tr>
<td></td>
<td>R2 3 x 14ml</td>
</tr>
</tbody>
</table>

Randox Transferrin (Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Measuring range 7.60 - 550mg/dl

Acusera Controls and Calibrators:

Specific Protein Control, Liquid Chemistry Premium Plus Control, Assayed Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Assayed Urine Chemistry Control, Liquid Assayed Chemistry Premium Plus Control and Specific Protein Calibrator

RIQAS External Quality Assessment:

Specific Proteins Programme
Transthyretin (Prealbumin) (Immunoturbidimetric)

Ordering Information

Cat. No: PA3843

- R1 6 x 20ml
- R2 3 x 11ml

Randox Transthyretin (Prealbumin) (Immunoturbidimetric)

- Liquid ready-to-use reagents
- Stable to expiry date at +2 to +8°C
- Once opened stable on board the analyser for 28 days, when stored at approximately +10°C
- Measuring range 2.3 - 65mg/dl

Acusera Controls and Calibrators:

Specific Protein Control, Liquid Chemistry Premium Plus Control, Precision Chemistry Premium Plus Control, Liquid Assayed Chemistry Premium Plus Control and Specific Protein Calibrator

RIQAS External Quality Assessment:

Specific Proteins Programme

Triglycerides (GPO-PAP)

Ordering Information

Cat. No: TR210 6 x 15ml (S)
TR213 10 x 50ml (S)
TR1697 4 x 100ml
TR3823 6 x 51ml
TR8067 4 x 58ml
TR9780 4 x 58ml
TR8332 4 x 20ml ✦

Randox Triglycerides (GPO-PAP)

- Liquid and lyophilised reagents available
- Working reagent stable for 21 days at +2 to +8°C or 3 days at +15 to +25°C
- Measuring range 0.1 - 13.4mmol/l

(S) Indicates standard included in kit, and is for manual and semi-automated use only
✦ Indicates liquid option

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:

Lipid Programme
Urea (Kinetic)

Ordering Information

Cat. No: UR446 10 x 50ml (S) (1 minute read)

Cat. No: UR457 10 x 50ml (S) (1 minute read, High Sensitivity)

Randox Urea (Kinetic)

- Lyophilised for enhanced stability
- Stable to expiry date when stored at +2 to +8°C
- Measuring range 0.866 - 56.7mmol/l in serum / plasma

(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:

General Clinical Chemistry Programme

---

Urea (Berthelot)

Ordering Information

Cat. No: UR107 5 x 100ml (S)

Cat. No: UR1068 170ml (S) (manual only)

Randox Urea (Berthelot)

- Liquid ready-to-use reagents
- Working reagent stable for 1 month at +2 to +8°C
- Measuring range 1.59 - 40mmol/l in serum / plasma

(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:


RIQAS External Quality Assessment:

General Clinical Chemistry Programme
### Urea (Enzymatic Kinetic)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
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<th>R2</th>
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</thead>
<tbody>
<tr>
<td>UR3825</td>
<td>6 x 51ml</td>
<td>4 x 20ml</td>
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<tr>
<td>UR9781</td>
<td>6 x 68ml</td>
<td>6 x 44ml</td>
<td></td>
</tr>
<tr>
<td>UR3873</td>
<td>6 x 17.5ml</td>
<td>6 x 3.5ml</td>
<td></td>
</tr>
<tr>
<td>UR8334</td>
<td>4 x 20ml</td>
<td>4 x 7ml</td>
<td></td>
</tr>
<tr>
<td>UR8070</td>
<td>6 x 56ml</td>
<td>6 x 20ml</td>
<td></td>
</tr>
</tbody>
</table>

- **Liquid ready-to-use reagents**
- **Stable to expiry date when stored at +2 to +8°C**
- **Measuring range 0.510 - 50.5mmol/l in serum/ plasma**
- Indicates liquid option

#### Acusera Controls and Calibrators:


#### RIQAS External Quality Assessment:

- General Clinical Chemistry Programme

---

### Uric Acid (Enzymatic Colorimetric)

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th></th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA230</td>
<td>6 x 15ml ($S$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UA233</td>
<td>10 x 50ml ($S$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UA1613</td>
<td>4 x 100ml ($S$)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UA3824</td>
<td>6 x 51ml</td>
<td>4 x 20ml</td>
<td></td>
</tr>
<tr>
<td>UA3870</td>
<td>9 x 51ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UA8069</td>
<td>6 x 56ml</td>
<td>6 x 20ml</td>
<td></td>
</tr>
<tr>
<td>UA8333</td>
<td>4 x 20ml</td>
<td>4 x 7ml</td>
<td></td>
</tr>
</tbody>
</table>

- **Liquid and lyophilised reagents available**
- **Stable to expiry date when stored unopened protected from light**
- **Measuring range 20.8 - 1376µmol/l in serum**
- ($S$) Indicates standard included in kit, and is for manual and semi-automated use only
- Indicates liquid option

#### Acusera Controls and Calibrators:


#### RIQAS External Quality Assessment:

- General Clinical Chemistry Programme
Urinary Protein (Colorimetric)

Ordering Information

Cat. No:  
UP1570  3 x 100ml (S)  
UP8113  4 x 20ml (S)

Randox Urinary Protein (Colorimetric)

• Liquid ready-to-use reagents
• Stable to expiry when stored at +15 to +25°C
• Measuring range 0.022 - 2.14g/l
(S) Indicates standard included in kit, and is for manual and semi-automated use only

Acusera Controls and Calibrators:
Assayed Urine Control and Liquid Urine Control

RIQAS External Quality Assessment:
Human Urine Programme

Valproic Acid (Latex Enhanced Immunoturbidimetric)

Ordering Information

Cat. No:  
TD3414  R1 2 x 12ml  
R2 2 x 5ml

Randox Valproic Acid (Latex Enhanced Immunoturbidimetric)

• Liquid ready-to-use reagents
• Stable to expiry date when stored at +2 to +8°C
• Measuring range 11.3 - 159µg/ml

Acusera Controls and Calibrators:

RIQAS External Quality Assessment:
Therapeutic Drugs Programme
**Zinc (Colorimetric)**

**Ordering Information**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>ZN2341</td>
<td>R1 1 x 50ml (S)</td>
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<tr>
<td></td>
<td>R2 1 x 250ml (with Deproteinisation)</td>
<td></td>
</tr>
<tr>
<td>ZN2607</td>
<td>6 x 50ml (Deproteinising Solution)</td>
<td></td>
</tr>
</tbody>
</table>

**Randox Zinc (Colorimetric)**

- Liquid ready-to-use reagents
- Stable to expiry when stored at +15 to +25°C
- Measuring range 11.3 - 159µmol/l

(S) Indicates standard included in kit, and is for manual and semi-automated use only

**Acusera Controls and Calibrators:**


**RIQAS External Quality Assessment:**

General Clinical Chemistry Programme
Randox Catalogue Codes

Randox uses a series of characters and numbers to create unique product codes. These easy to read codes allow you to assess which product will be suitable for your laboratory.

How to read Randox Catalogue Codes

**Digits 1 - 2**  Sequence of 2 letters which identify the specific analyte of interest
E.g.: **BR3807**  **BR**: Bilirubin
       **CA7941**  **CA**: Calcium

**Digits 3 - 6**  A unique combination of 3 or 4 numbers that characterise kit format
E.g.: **BR3807**: 38 - Barcoded Easy Read bottles for RX imola
       **CA7941**: 79 - Barcoded Easy Read bottles for Hitachi 911/912

Randox supplies a range of catalogue codes to suit every laboratory’s need:

• **General Catalogue Codes**
  These cover a range of requirements from manual use to use on multiple semi-automated and automated analysers.

• **Easy Read Catalogue Codes**
  These codes apply to Randox reagents that have bottles that are barcoded for use on specific analysers.

• **Easy Fit Catalogue Codes**
  These codes apply to Randox reagents that have bottle sizes to fit channels of different analysers.

Freedom of choice from an independent manufacturer

Visit [www.randox.com/powerline](http://www.randox.com/powerline) to access instructions for use (IFU) and details of recommended catalogue codes for your requirements (manual/semi-automated/fully automated analysers).

Please note: For reagents used on automated analysers, a calibrator will be required. These are available from Randox.
Randox Easy Read Reagents

In order to make testing within your laboratory easier, Randox offers a range of clinical chemistry reagents with dedicated barcodes that are optimised for use on a range of specific clinical analysers.

- All reagents are presented in bottles that fit directly onto the analyser
- Reagents include barcodes that enable the analyser to read automatically
- Simple process saves time and improves laboratory efficiency
- Offers you freedom of choice from an independent manufacturer

Analysers include:

Hitachi 911 / 912 analysers
Catalogue codes with 3rd and 4th digits starting with 71/79  E.g.: IG7158, AP7927

Hitachi 917 / Modular P analysers
Catalogue codes with 3rd and 4th digits starting with 97  E.g.: TR9728

RX imola analysers
Catalogue codes with 3rd and 4th digits starting with 38/39/40  E.g.: AB3800, AM3979

Randox RX modena analysers
Catalogue codes with 3rd and 4th digits starting with 80/81  E.g.: IG8044, AM8112

Randox RX daytona plus / RX monaco analysers
Catalogue codes with 3rd and 4th digits starting with 83  E.g.: CL8314, NA8327

Randox Easy Read reagents are simple to use:

Step 1:  Load your Easy Read reagent onto the clinical analyser.
Step 2:  As all necessary settings are encoded on the barcode, the analyser software will read and store the settings as provided.

Randox Easy Read reagents ensure Efficiency, Flexibility and Ease of Use

Visit www.randox.com/powerline to access Instructions for Use (IFU) and details of recommended catalogue codes for your requirements (manual/semi-automated/fully automated analysers).

*Randox recommends that all users refer to the instructions for use / instrument specific applications before proceeding.
We are dedicated to providing reagents that are perfectly aligned with your laboratory needs. In addition to providing an extensive test menu of the highest quality reagents, we also ensure flexibility, convenience and ease of use with our Easy Fit reagent bottles.

- We offer a range of reagents that are optimised for use on an extensive range of clinical chemistry analysers
- All reagents are presented in bottles which fit easily onto your analyser avoiding the need to pour reagents into dedicated bottles
- Easy Fit reagents offer increased accuracy and reliability
- A wide range of validated analyser applications ensure ease of programming and confidence in results
- A simple 2 step process allows you to actively run Randox Reagents on your clinical chemistry analyser

Randox Easy Fit reagents are suitable for a range of clinical chemistry analysers, including:

**Beckman Coulter AU systems:**
Catalogue codes with 3rd & 4th digits starting with 80 / 81 / 83 / 97  E.g.: AP9764

**Abbott Architect C / Aeroset clinical systems:**
Catalogue codes with 3rd & 4th digits starting with 80 / 81 / 83 /97 / 38 / 39 / 40 / 71 / 79  E.g.: TP8066, TR9728

**Hitachi 917 / Modular P systems:**
Catalogue codes with 3rd & 4th digits starting with 80 / 81 / 83  E.g.: CH8019, CP8028

**Hitachi 704 / 911 / 912 / 902 / 717 systems:**
Catalogue codes with 3rd & 4th digits starting with 38 / 39 / 40 / 71 / 79  E.g. NA7167, AL7904

A range of clinical chemistry analysers on which Randox Easy Fit Reagents can be used are presented above. If your analyser is not listed here please visit [www.randox.com/powerline](http://www.randox.com/powerline) for more information.

**Simple 2 step process**

**Step 1:**  Place your Randox reagent onto the chosen channel of your clinical chemistry analyser.

**Step 2:**  Using the Instrument Specific Application (ISA), programme the settings into your machine software.

Your analyser is ready to run. To access your Instrument Specific Applications (ISA) please visit [www.randox.com/powerline](http://www.randox.com/powerline).

**Randox Easy Fit reagents offer Choice, Convenience, Performance**

*Randox recommends that all users refer to the instructions for use / instrument specific applications before proceeding.*
# Analyser Applications

## ABBOTT AEROSET/ ARCHITECT C

<table>
<thead>
<tr>
<th>Analyser Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adiponectin</td>
</tr>
<tr>
<td>Albumin</td>
</tr>
<tr>
<td>Aldolase</td>
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## ABBOTT ALINITY

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## BECKMAN SYNCHRON CX4/5/7/9/LX20/DXC

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<tr>
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<td>Glutathione Reductase</td>
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### SIEMENS ATELLICA

- Adiponectin
- Aldoase
- Apolipoprotein A-II
- Apolipoprotein C-II
- Apolipoprotein C-III
- Apolipoprotein E
- Bile Acids
- Cholesterol sdLDL
- CK-MB
- Creatinine
- CRP Canine
- D-3-Hydroxybutyrate (Ranbut)
- Ferritin
- G6PDH
- GLDH
- Glucose
- Glutamate
- Glutamine
- Glutathione Peroxidase (Ransel)
- Glutathione Reductase
- Glycerol
- Haemoglobin
- Heart-type fatty acid-binding protein (H-FABP)
- Homocysteine
- IgE
- Lactate Dehydrogenase (P-L)
- Myoglobin
- NEFA
- Superoxide Dismutase (Ransod)
- Syphilis

### HITACHI 717/911/912

- Acetic Acid
- Albumin
- Aldolase
- Alkaline Phosphatase
- Alpha-I-Acid Glycoprotein
- Alpha-I-Antitrypsin
- ALT
- Ammonia
- Amylase
- Amylase Pancreatic
- Apolipoprotein A-I
- Apolipoprotein A-II
- Apolipoprotein B
- Apolipoprotein C-II
- Apolipoprotein C-III
- ASO
- Apo E
- AST
- β2 Microglobulin
- Bile Acids
- Bilirubin
- Calcium
- Carbamazepine
- Chloride
- Cholesterol Total
- Cholesterol HDL
- Cholesterol LDL
- Cholinesterase (Butyryl)
- CK-MB
- CK-NAC
- CO2 Total
- Complement C3
- Complement C4
- Creatinine
- CRP
- CRP Carine
- CRP Full Range
- CRP High Sensitivity
- Cystatin C
- D-3 Hydroxybutyrate (Ranbut)
- Digoxin
- Ethanol
- Ferritin
- Fructosamine (Glycated Protein)
- G6PDH
- Gamma GT
- Gentamicin
- GLDH
- Glucose
- Glutathione Peroxidase (Ransel)
- Glutathione Reductase
- Glycerol
- Haptoglobin
- HbA1c
- IgA
- IgE
- IgG
- IgM
- L-Lactate
- LD Lactate - Pyruvate
- Lipase
- Lipoprotein (a)
- Lithium
- Magnesium
- Malic Acid
- Microalbumin
- Myoglobin
- NEFA
- Phenobarbital
- Phenytoin
- Phosphorus
- Potassium
- Rheumatoid Factor (RF)
- Sodium
- Superoxide Dismutase (Ransod)
- Total Antioxidant Status (TAS)
- Total Iron Binding Capacity (TIBC)
- Total Protein
- Transferrin
- Transthyretin (Prealbumin)
- Triglycerides
- Urea
- Uric Acid
- Urinary Protein
- Valproic Acid
- Zinc

*Please note: The Hitachi 717 analyser does not have a barcode reading facility therefore Easy Read kits for this analyser will require the necessary ISA*
HITACHI 917 / MODULAR P

- Chloride
- Cholesterol Total
- Cholesterol HDL
- Cholesterol LDL
- Cholesterol sLDL
- Cholinesterase (Butyryl)
- CK-MB
- CK-NAC
- CO₂ Total
- Complement C3
- Complement C4
- Copper
- Creatinine
- CRP
- CRP Canine
- CRP Full Range
- CRP High Sensitivity
- Cystatin C
- D-3 Hydroxybutyrate (Ranbut)
- Digoxin
- Ethanol
- Ferritin
- Fructosamine (Glycated Protein)
- G6PDH
- Gamma GT
- Gentamicin
- GLDH
- Glucose
- Glucose / Fructose
- Glutamate
- Glutamine
- Glutathione Peroxidase (Ransel)
- Glutathione Reductase
- Glycerol
- Haptoglobin
- HbA1c
- H-FABP
- Homocysteine
- IgA
- IgE
- IgG
- IgM
- Iron
- L-Lactate
- LD Lactate - Pyruvate
- LD Pyruvate - Lactate
- Lipase
- Lipoprotein (a)
- Lithium
- Magnesium
- Microalbumin
- Myoglobin
- NEFA
- Phenobarbital
- Phenytion
- Phosphorus
- Potassium
- Rheumatoid Factor (RF)
- Sodium
- Superoxide Dismutase (Ransod)
- Total Antioxidant Status (TAS)
- Total Iron Binding Capacity (TIBC)
- Total Protein
- Transferrin
- Transthyretin (Prealbumin)
- Triglycerides
- Urea
- Uric Acid
- Urinary Protein
- Valproic Acid
- Zinc

MINDRAY BS SERIES

- Acetic Acid
- Adiponectin
- Albumin
- Aldolase
- Alkaline Phosphatase
- ALT
- Ammonia
- Amylase
- Apolipoprotein A-I
- Apolipoprotein B
- ASO
- AST
- α₂-Microglobulin
- Bile Acids
- Bilirubin
- Calcium
- Chloride
- Cholesterol Total
- Cholesterol HDL
- Cholesterol LDL
- Cholesterol sLDL
- Cholinesterase (Butyryl)
- CK-MB
- CK-NAC
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- Complement C4
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- CRP Canine
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- Fructosamine (Glycated Protein)
- G6PDH
- Gamma GT
- Gentamicin
- GLDH
- Glucose
- Glucose / Fructose
- Glutamate
- Glutamine
- Glutathione Peroxidase (Ransel)
- Glutathione Reductase
- Glycerol
- Haptoglobin
- HbA1c
- H-FABP
- Homocysteine
- IgA
- IgE
- IgG
- IgM
- Iron
- L-Lactate
- LD Lactate - Pyruvate
- LD Pyruvate - Lactate
- Lipase
- Lipoprotein (a)
- Lithium
- Malic Acid
- Magnesium
- Microalbumin
- NEFA
- Phosphorus
- Potassium
- Primary Amino Nitrogen
- Rheumatoid Factor (RF)
- Sodium
- Superoxide Dismutase (Ransod)
- Total Antioxidant Status (TAS)
- Total Iron Binding Capacity (TIBC)
- Total Protein
- Transferrin
- Transthyretin (Prealbumin)
- Triglycerides
- Urea
- Uric Acid
- Urinary Protein
- Zinc

ORTHO VITROS 5600/ ORTHO VITROS 5, IFS / ORTHO VITROS 4600

- Adiponectin
- Aldolase
- Alpha-I-Acid Glycoprotein
- Alpha-I-Antitrypsin
- Ammonia
- Amylase
- Amylase Pancreatic
- Apolipoprotein A-II
- Apolipoprotein A-I
- Apolipoprotein A-II
- Apolipoprotein B
- ASO
- CK-MB
- Complement C3
- Complement C4
- Copper
- Creatinine
- CRP
- CRP Canine
- CRP Full Range
- CRP High Sensitivity
- Cystatin C
- D-3 Hydroxybutyrate (Ranbut)
- Ethanol
- Ferritin
- Fructosamine (Glycated Protein)
- G6PDH
- GLDH
- Glycerol
- H-FABP

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<td>Apolipoprotein C-II</td>
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<td>ASO</td>
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<td></td>
<td>β₂-Microglobulin</td>
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<td></td>
<td>Bile Acids</td>
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<td>β₂-Microglobulin</td>
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<td>Bile Acids</td>
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<td>Cholesterol LDL,DL</td>
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<td>Cholinesterase (Butyryl)</td>
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<td>CO₂ Total</td>
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<td>Complement C3</td>
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<td>Complement C4</td>
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</table>

If your analyser is not listed here please contact applications@randox.com

Exceptions apply. Please contact your local Randox representative for confirmation.
PENTRA 400
Malic Acid
Microalbumin
NEFA
Phenobarbital
Phosphorus
Potassium
Rheumatoid Factor (RF)
Total Iron Binding Capacity (TIBC)
Total Protein
Transthyretin
Urea
Urinary Protein
Valproic Acid
Zinc

SIEMENS DIMENSION RXL/XPAND
Albumin
Aldolase
Alpha-I-Acid Glycoprotein
Alpha-I-Antitrypsin
ALT
Amylase
Apolipoprotein A-I
Apolipoprotein B
ASO

Bile Acids
Ceruloplasmin
Cholesterol LDL
CK-MB
Complement C3
Complement C4
Creatinine
CRP
CRP Canine
D-3 Hydroxybutyrate (Ranbut)
Fructosamine (Glycated Protein)
G6PDH
GLDH
Glutathione Reductase
Glycerol
Haptoglobin
Iron
L-Lactate
LD
Lipase
Lipoprotein (a)
Myoglobin
NEFA
Phosphorus
Rheumatoid Factor (RF)
Superoxide Dismutase (Ransod)
Transthyretin (Prealbumin)
Total Protein
Transferrin
Uric Acid
Urinary Protein
Zinc

THERMO KONELAB 201/301/601
Acetate
Adiponectin
Albumin
Aldolase
Alkaline Phosphatase
Alpha-I-Acid Glycoprotein
Alpha-I-Antitrypsin
ALT
Ammonia
Amylase
Apolipoprotein A-I
Apolipoprotein A-II
Apolipoprotein B
Apolipoprotein C-II
Apolipoprotein C-III
Apolipoprotein E
ASO
AST
β2 Microglobulin
Bile Acids
Billirubin
Calcium
Carbamazepine
Chloride
Cholesterol Total
Cholesterol HDL
Cholesterol LDL
Cholesterol sDLLD
Cholinesterase (Butyryl)
CK-MB
CK-NAC
CO2 Total
Complement C3
Complement C4
Copper
Creatinine
CRP
CRP Canine
CRP Full Range
CRP High Sensitivity
Cystatin C
D-3 Hydroxybutyrate (Ranbut)
Digoxin
ETG
Ethanol
Fructosamine (Glycated Protein)
Free Sulphites
G6PDH
Gamma GT
Gentamicin
GLDH
Glucose
Glutamate
Glutathione Peroxidase (Ransel)
Glutathione Reductase
Glycerol
HbA1c
H-FABP
Homocysteine
IgA
IgE
IgG
IgM
Iron
L-Lactate
LD Pyruvate - Lactate
LD Lactate - Pyruvate
Lipase
Lipoprotein (a)
Lithium
Magnesium
Malic Acid
Microalbumin
Myoglobin
NEFA
Phenobarbital
Phenytoin
Phosphorus
Primary Amino Nitrogen
Rheumatoid Factor (RF)
Sodium
Superoxide Dismutase (Ransod)
Total Antioxidant Status (TAS)
Total Iron Binding Capacity (TIBC)
Total Protein
Total Sulphite
Transthyretin
Transferrin
Urea
Urinary Protein
Valproic Acid
Zinc

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Exceptions apply. Please contact your local Randox representative for confirmation.
## VITALAB FLEXOR/SELECTRA E/ SELECTRA II

<table>
<thead>
<tr>
<th>Acetic Acid</th>
<th>Calcium</th>
<th>D-3 Hydroxybutyrate (Ranbut)</th>
<th>Iron</th>
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<tbody>
<tr>
<td>Albumin</td>
<td>Carbamazepine</td>
<td>Digoxin</td>
<td>IgE</td>
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<td>Chloride</td>
<td>Ethanol</td>
<td>IgG</td>
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<td>Alkaline Phosphatase</td>
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<td>Ferritin</td>
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<tr>
<td>Alpha-1-Acid Glycoprotein</td>
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<td>Fructosamine (Glycated Protein)</td>
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<td>Cholesterol LDL</td>
<td>GLDH</td>
<td>LD Pyruvate - Lactate</td>
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<td>Cholinesterase (Butyryl)</td>
<td>G6PDH</td>
<td>Lipase</td>
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<tr>
<td>Ammonia</td>
<td>CK-MB</td>
<td>Gamma GT</td>
<td>Lipoprotein (a)</td>
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<td>CK-NAC</td>
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<td>Magnesium</td>
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<tr>
<td>Apolipoprotein A-I</td>
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<td>Glucose</td>
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<td>Apolipoprotein B</td>
<td>Complement C4</td>
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<td>Apolipoprotein C-II</td>
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<td>Phosphorus</td>
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<tr>
<td>AST</td>
<td>CRP Canine</td>
<td>CRP Full Range</td>
<td>Potassium</td>
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<td>ß2-Microglobulin</td>
<td>CRP High Sensitivity</td>
<td>Homocysteine</td>
<td>Rheumatoid Factor (RF)</td>
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<td>Bile Acids</td>
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<td>Sodium</td>
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<tr>
<td>Bilirubin</td>
<td>Cystatin C</td>
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## MANUAL

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<td>Glycerol</td>
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<td>CRP</td>
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<tr>
<td>AST</td>
<td>CRP</td>
<td>H-FABP</td>
</tr>
<tr>
<td>Bile Acids</td>
<td>CRP Full Range</td>
<td>Homocysteine</td>
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<td>Bilirubin</td>
<td>Cystatin C</td>
<td></td>
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<tr>
<td></td>
<td>D-3 Hydroxybutyrate (Ranbut)</td>
<td>L-Lactate</td>
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</tbody>
</table>

If your analyser is not listed here please contact applications@randox.com
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Available 24 hours a day, 7 days a week.

Under the ‘Support & Documentation’ tab on Randox.com, you will be able to access the Randox Reagents ‘Product Inserts’. This is a free of charge electronic service from Randox providing customers with instant access to instructions for use (IFU).

To register, visit www.randox.com, navigate to the ‘Support & Documentation’ along the top navigation bar and click on ‘Product Inserts’. If you are a first time user, click ‘Request Access’, complete your details and click submit.

Upon logging on, you will be able to select a general insert, RX series insert, ELISA insert and so on. Alternatively, you can search for a specific catalogue code using the search field on the right.

The requested insert will be available to download immediately as a PDF.
RX series analysers

The clinical analysers from our RX series have an impressive range of time-saving, labour-saving and cost-saving benefits. They offer outstanding flexibility coupled with optimum reliability. RX series software has been designed with users in mind to ensure straightforward and intuitive operation.

RX misano

The RX misano is a compact semi-automated clinical chemistry analyser with outstanding functionality offering exciting opportunities for both routine and specialised testing. The RX misano boasts increased auto-functionality, impressive touch-screen technology, and the unrivalled RX series test menu making it a modern solution for a variety of laboratory types.

RX monaco

The RX monaco is a fully automated random access clinical analyser capable of carrying out 170 tests per hour. It provides unrivalled performance for low to mid volume testing.

RX daytona+

Superior performance for mid volume laboratories. The RX daytona+ is capable of running 270 photometric tests per hour or 450 tests per hour including ISEs.

RX imola

Efficiency for medium sized laboratories. The RX imola is a random access benchtop clinical analyser with a throughput of 400 photometric tests per hour or 560 tests per hour including ISEs.

RX modena

The RX modena is a high volume, floor standing, fully automated clinical chemistry analyser. With a throughput of 800 photometric tests per hour or 1,200 tests per hour including ISEs, combined with the unrivalled RX series test menu, the RX modena is a winning combination for large, multi-disciplinary laboratories.

All Randox Reagents also available for first party use, meaning that they are all validated for use on the RX series of clinical chemistry analysers.
RIQAS

RANDOX INTERNATIONAL QUALITY ASSESSMENT SCHEME IS THE WORLD'S LARGEST EXTERNAL QUALITY ASSESSMENT (EQA) SCHEME
RIQAS

RIQAS is the largest international EQA scheme in the world. It is used by more than 50,000 laboratories in over 139 countries worldwide. 33 programme types are currently available with more than 45 different options offering flexibility for laboratories of all sizes and budgets.

### Ammonia/Ethanol Programme+ With target scoring

<table>
<thead>
<tr>
<th>RQ9164 (2 ml)</th>
<th>2 Parameters</th>
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<tbody>
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### Anti-TSH Receptor Programme+ With target scoring

<table>
<thead>
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<th>RQ9174 (1 ml)</th>
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<td>Samples every month, 1 x 12 month cycle, 12 month subscription</td>
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<td>Anti-TSH Receptor (TRAb)</td>
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### Blood Gas Programme With target scoring

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<th>RQ9134 (1.8 ml)</th>
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<tbody>
<tr>
<td>First registered instrument</td>
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<tr>
<td>11 Parameters</td>
<td>11 Parameters</td>
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<tr>
<td>Samples every month, 1 x 12 month cycle, 12 month subscription</td>
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<tr>
<td>Bicarbonate</td>
<td>CO₂ (Total)</td>
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<td>Ca++</td>
<td>Glucose</td>
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<tr>
<td>Cl-</td>
<td>Lactate</td>
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<td>K+</td>
<td>Na+</td>
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<td>pH</td>
<td>pCO₂</td>
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### BNP Programme+ With target scoring

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<td>BNP</td>
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### Cardiac Programme With target scoring

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<tr>
<th>RQ9127/a (1 ml)</th>
<th>RQ9127/b (1 ml)</th>
<th>RQ9186 (1 ml)</th>
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<td>2 Parameters only (choose from 7)</td>
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<td>Full 7 Parameters</td>
</tr>
<tr>
<td>Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription</td>
<td>Samples every month, 1 x 12 month cycle, 12 month subscription</td>
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<tr>
<td>CK, Total</td>
<td>CK-MB (Activity)</td>
<td>Myoglobin</td>
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<td>CK-MB (Mass)</td>
<td>Homocysteine</td>
<td>Troponin I</td>
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<td>D-dimer</td>
<td>Digoxin</td>
<td>Troponin T</td>
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<td>Homocysteine</td>
<td>NT-proBNP</td>
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### Cardiac Plus Programme • Coming in 2021

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<td>CK-MB Activity</td>
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<tr>
<td>CK-MB Mass</td>
<td>D-dimer</td>
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<tr>
<td>Digoxin</td>
<td>Homocysteine</td>
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<tr>
<td>hACT (=) Myoglobin</td>
<td>NT-proBNP</td>
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<tr>
<td>Troponin I</td>
<td>Troponin T</td>
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### Cerebrospinal Fluid Programme+ With target scoring

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<td>Chloride</td>
<td>IgG</td>
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<td>Lactate</td>
<td>Protein (Total)</td>
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<td>Sodium</td>
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* Liquid ready-to-use samples  
  = Lyophilised samples  
  **PURPLE** = The only parameters available on RQ9135/a  
  + = Not accredited  
  * = Pilot study ongoing  
  • = Accreditation status pending
Coagulation Programme With target scoring
RQ9135a (1 ml)
5 Selected parameters only +1 pilot
5PTT, PT (including INR), TT, Anti-thrombin III
Samples every month, 1 x 12 month cycle, 12 month subscription

RQ9135b (1 ml)
Full 16 Parameters + 1 pilot

D-dimer®
Factor IX
Factor X
Factor V
Factor VII
Plasminogen

CO-Oximetry Programme+
RQ9177 A (1.2 ml)
First registered instrument
7 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

RQ9177/A (1.2 ml)
Subsequent instruments
7 Parameters

Carboxyhaemoglobin (COHb / HbCO)
Desoxyhaemoglobin (HHb)
Methaemoglobin (Met-Hb)
Oxygen Content (O2CT)
Oxyhaemoglobin (O2Hb / HbO2)
Total Haemoglobin (tHb)

CYFRA 21-1 Programme+
RQ9175 (1 ml)
1 Parameter
Samples every month, 1 x 12 month cycle, 12 month subscription

 CYFRA 21-1 (Cytokeratin 19)

ESR Programme+
RQ9163 (4.5 ml)
1 Parameter
2 samples per quarterly distribution, 1 x 12 month cycle, 12 month subscription

ESR (Erythrocyte Sedimentation Rate)

General Clinical Chemistry Programme With target scoring
RQ9112a (5 ml)
10 Parameters + 4 pilots
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription, reference method values

RQ9112b (5 ml)
17 Parameters + 4 pilots

RQ9112c (5 ml)
Full 52 Parameters + 4 pilots

RQ9128 (5 ml)
Full 52 Parameters + 4 pilots
Samples every month, 1 x 12 month cycle, 12 month subscription

ACE (Angiotensin Converting Enzyme)
Acid Phosphatase (Prostatic)
Acid Phosphatase (Total)
Albumin
Alkaline Phosphatase
ALT (ALAT)
Amylase (Pancreatic)
Amylase (Total)
AST (ASAT)
Bicarbonate
Bile Acids
Blindin (Direct)
Blindin (Total)
Calcium
Calcium, Adjusted®
Calcium, Ionised
Chloride
Cholesterol
Creatinine
D-3-Hydroxybutyrate
eGFR (estimated glomerular filtration rate)*
Fructosamine
γGT
GLDH
Glucose
HBDH
HDL-Cholesterol
Iron
Lactate
LD (LDH)
LDL-Cholesterol*
Lipase
Magnesium
NEFA
Non-HDL Cholesterol*
Osmolality
Phosphate (Inorganic)
Potassium
Protein (Total)
PSA
Sodium
TIBC
T4 (Free)
T4 (Total)
TSH
TBG
Uric Acid
Zinc

Glycated Haemoglobin Programme (HbA1c) With target scoring
RQ9129 (0.5 ml)
2 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

HbA1c
Total Haemoglobin

PURPLE = The only parameters available on RQ9135a
+ = Not accredited
* = Pilot study ongoing
• = Accreditation status pending
## Haematology Programme

**RQ9118 (2 ml)**
- 11 Parameters
- Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

**RQ9140 (2 ml)**
- 11 Parameters
- Samples every month, 1 x 12 monthly cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haematocrit (HCT)</td>
<td>Mean Cell Haemoglobin Concentration (MCHC)</td>
</tr>
<tr>
<td>Haemoglobin (Hb)</td>
<td>Mean Cell Haemoglobin (MCH)</td>
</tr>
<tr>
<td>Mean Cell Haemoglobin (MCH)</td>
<td>Mean Platelet Volume (MPV)</td>
</tr>
<tr>
<td>Platelets (PLT)</td>
<td>Red Cell Distribution Width (RDW)</td>
</tr>
<tr>
<td>Red Blood Cell Count (RBC)</td>
<td>Total White Blood Cell Count (WBC)</td>
</tr>
</tbody>
</table>

## Human Urine Programme

**RQ9115 (10 ml)**
- 25 Parameters
- Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription

**RQ9185 (10 ml)**
- 25 Parameters
- Samples every month, 1 x 12 monthly cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACR</td>
<td>Creatinine</td>
</tr>
<tr>
<td>Albumin/Microalbumin</td>
<td>Dopamine</td>
</tr>
<tr>
<td>Amylase</td>
<td>Epinephrine</td>
</tr>
<tr>
<td>Calcium</td>
<td>Glucose</td>
</tr>
<tr>
<td>Chloride</td>
<td>Metanephrine</td>
</tr>
<tr>
<td>Copper</td>
<td>Norepinephrine</td>
</tr>
<tr>
<td>Cortisol</td>
<td>Normetanephrine</td>
</tr>
<tr>
<td></td>
<td>Protein (Total)</td>
</tr>
<tr>
<td></td>
<td>Sodium</td>
</tr>
<tr>
<td></td>
<td>Urea</td>
</tr>
<tr>
<td></td>
<td>Uric Acid</td>
</tr>
<tr>
<td></td>
<td>VMA</td>
</tr>
<tr>
<td></td>
<td>5-HIAA</td>
</tr>
</tbody>
</table>

## Immunoassay Programme

**RQ9125a (5 ml)**
- 4 Parameters only + 2 pilots
- Samples every two weeks, 2 x 6 monthly cycles, 12 month subscription (RQ9125a, RQ9125b, RQ9125c)

**RQ9125b (5 ml)**
- 13 Parameters only + 2 pilots
- Samples every two weeks, 2 x 6 monthly cycles, 12 month subscription (RQ9125a, RQ9125b, RQ9125c)

**RQ9125c (5 ml)**
- Full 49 Parameters + 2 pilots
- Samples every two weeks, 2 x 6 monthly cycles, 12 month subscription (RQ9125a, RQ9125b, RQ9125c)

**RQ9130 (5 ml)**
- Full 49 Parameters + 2 pilots
- Samples every month, 1 x 12 monthly cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTH</td>
<td>DHEA-Sulphate</td>
</tr>
<tr>
<td>AFP</td>
<td>DHEA-Unconjugated</td>
</tr>
<tr>
<td>Aldosterone</td>
<td>Digoxin</td>
</tr>
<tr>
<td>Anakin</td>
<td>Ferritin</td>
</tr>
<tr>
<td>Androstenedione</td>
<td>Folate</td>
</tr>
<tr>
<td>β-2-Microglobulin</td>
<td>FSH</td>
</tr>
<tr>
<td>CA125</td>
<td>Gentamicin</td>
</tr>
<tr>
<td>CA15-3</td>
<td>GH</td>
</tr>
<tr>
<td>CA19-9</td>
<td>HCG</td>
</tr>
<tr>
<td>Carbohydrase</td>
<td>IgE</td>
</tr>
<tr>
<td>CEA</td>
<td>Insulin</td>
</tr>
<tr>
<td>Cortisol</td>
<td>LH</td>
</tr>
<tr>
<td>C-Peptide</td>
<td>Oestradiol</td>
</tr>
<tr>
<td></td>
<td>17-OH-Progesterone</td>
</tr>
<tr>
<td></td>
<td>Paracortisol</td>
</tr>
<tr>
<td></td>
<td>Phenobarbital</td>
</tr>
<tr>
<td></td>
<td>Pernytoin</td>
</tr>
<tr>
<td></td>
<td>Progesterone</td>
</tr>
<tr>
<td></td>
<td>Prolactin</td>
</tr>
<tr>
<td></td>
<td>PSA (Free)</td>
</tr>
<tr>
<td></td>
<td>PSA (Total)</td>
</tr>
<tr>
<td></td>
<td>PTH</td>
</tr>
<tr>
<td></td>
<td>Salicylate</td>
</tr>
<tr>
<td></td>
<td>SHBG</td>
</tr>
<tr>
<td></td>
<td>T, (Free)</td>
</tr>
<tr>
<td></td>
<td>T, (Total)</td>
</tr>
<tr>
<td></td>
<td>T, (Total)</td>
</tr>
<tr>
<td></td>
<td>Testosterone (Free)*</td>
</tr>
<tr>
<td></td>
<td>Testosterone (Total)</td>
</tr>
<tr>
<td></td>
<td>Theophylline</td>
</tr>
<tr>
<td></td>
<td>Thyroglobulin</td>
</tr>
<tr>
<td></td>
<td>TSH</td>
</tr>
<tr>
<td></td>
<td>Valproic Acid</td>
</tr>
<tr>
<td></td>
<td>Vancocycin</td>
</tr>
<tr>
<td></td>
<td>Vitamin B12</td>
</tr>
<tr>
<td></td>
<td>1-25-(OH)2-Vitamin D*</td>
</tr>
<tr>
<td></td>
<td>25-OH-Vitamin D</td>
</tr>
</tbody>
</table>

## Immunooassay Speciality 1 Programme

**RQ9141 (2 ml)**
- 9 Parameters + 1 pilot
- Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-25-(OH)2-Vitamin D*</td>
<td>Anti-TG</td>
</tr>
<tr>
<td>25-OH-Vitamin D</td>
<td>Anti-TPO</td>
</tr>
<tr>
<td>C-Peptide</td>
<td>IGF-1</td>
</tr>
<tr>
<td></td>
<td>Osteocalcin</td>
</tr>
<tr>
<td></td>
<td>Insulin</td>
</tr>
</tbody>
</table>

## Immunooassay Speciality 2 Programme

**RQ9142 (1 ml)**
- 5 Parameters
- Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcitonin</td>
<td>Prolactinin</td>
</tr>
<tr>
<td>Gastrin</td>
<td>PTH</td>
</tr>
<tr>
<td></td>
<td>Plasma Renin Activity</td>
</tr>
<tr>
<td></td>
<td>Renin (Direct Concentration)</td>
</tr>
</tbody>
</table>

## Immunosuppressant Programme

**RQ9159 (2 ml)**
- 4 Parameters
- Samples every month, 1 x 12 month cycle, 12 month subscription, reference method values

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ciclosporin</td>
<td>Everolimus</td>
</tr>
<tr>
<td></td>
<td>Srolimus</td>
</tr>
<tr>
<td></td>
<td>Tacrolimus</td>
</tr>
</tbody>
</table>

---

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** = Lyophilised samples  
PURPLE = The only parameters available on RQ9135/a  
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• = Accreditation status pending
### Serology (EBV) Programme+  
**RQ9153 (1 ml)**  
3 Parameters  
Samples every month, 1 x 12 month cycle, 12 month subscription  
- Anti-EBV VCA IgG  
- Anti-EBNA IgG  
- Anti-EBV VCA IgM

### Serology (Syphilis) Programme+  
**RQ9154 (1 ml)**  
1 Parameter  
Samples every month, 1 x 12 month cycle, 12 month subscription  
**Methods available include immunoassay RPR, VDRL and TPHA**

### Serology (ToRCH) Programme+  
**RQ9152 (1 ml)**  
12 Parameters + 3 pilots  
Samples every month, 1 x 12 month cycle, 12 month subscription, Quantitative and Qualitative results  
- Anti-CMV IgG  
- Anti-CMV IgM  
- Anti-HSV1 IgG  
- Anti-HSV1 IgM  
- Anti-HSV2 IgG  
- Anti-HSV2 IgM  
- Anti-HSV1/2 IgG  
- Anti-HSV1/2 IgM  
- Anti-Measles IgG  
- Anti-Measles IgM  
- Anti-Mumps IgG  
- Anti-Mumps IgM  
- Anti-Rubella IgG  
- Anti-Rubella IgM  
- Anti-Toxoplasma IgG  
- Anti-Toxoplasma IgM  
- Anti-VSZ IgG

### Specific Proteins Programme With target scoring  
**RQ9114 (3 ml)**  
16 Parameters  
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription  
- AFP  
- Albumin  
- α-1-Acid glycoprotein  
- α-1-Antitrypsin  
- α-2-Macroglobulin  
- Anti Streptolysin O  
- Antithrombin III  
- β-2-Microglobulin  
- Ceruloplasmin  
- Complement C3  
- Complement C4  
- C-Reactive Protein  
- Ferritin  
- Haptoglobin

**RQ9107 (1 ml)**  
24 Parameters  
Samples every month, 1 x 12 month cycle, 12 month subscription  
- IgA  
- Ig  
- IgG  
- IgM  
- Kappa Light Chain (Total)  
- Kappa Light Chain (Free)  
- Lambda Light Chain (Total)  
- Lambda Light Chain (Free)

---

<table>
<thead>
<tr>
<th><strong>Lipid Programme With target scoring</strong></th>
<th></th>
</tr>
</thead>
</table>
| **RQ9126a (3 ml)** | 3 Parameters only (choose from 7)  
| **RQ9126b (3 ml)** | Full 7 Parameters  
| Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription  
| Apolipoprotein A1  
| Apolipoprotein B  
| Cholesterol (Total)  
| HDL-Cholesterol  
| LDL-Cholesterol  
| Lipoprotein (a)  
| Triglycerides

<table>
<thead>
<tr>
<th><strong>Maternal Screening Programme With target scoring</strong></th>
<th></th>
</tr>
</thead>
</table>
| **RQ9137 (1 ml)** | 6 Parameters  
| Samples every month, 1 x 12 month cycle, 12 month subscription  
| AFP  
| free β-hCG  
| Total hCG  
| Inhibin A  
| PAPP-A  
| Unconjugated Oestriol

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### Sweat Testing Programme+  🌈

**RQ9173** (2 ml)
2 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Conductivity</td>
</tr>
</tbody>
</table>

### Therapeutic Drugs Programme With target scoring  🌈

**RQ9111** (5 ml)
8 Parameters
Samples every 2 weeks, 2 x 6 monthly cycles, 12 month subscription, Weighed-in values

<table>
<thead>
<tr>
<th>Drug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amikacin</td>
</tr>
<tr>
<td>Caffeine</td>
</tr>
<tr>
<td>Carbamazepine</td>
</tr>
<tr>
<td>Colchicine</td>
</tr>
<tr>
<td>Digoxin</td>
</tr>
<tr>
<td>Ethosuximide</td>
</tr>
<tr>
<td>Gentamicin</td>
</tr>
<tr>
<td>Lithium</td>
</tr>
<tr>
<td>Metronidazole</td>
</tr>
<tr>
<td>Paracetamol (Acetaminophen)</td>
</tr>
<tr>
<td>Phenoxybarbital</td>
</tr>
<tr>
<td>Phenytoin</td>
</tr>
<tr>
<td>Primidone</td>
</tr>
<tr>
<td>Salicylic Acid</td>
</tr>
<tr>
<td>Theophylline</td>
</tr>
<tr>
<td>Toltrazepam</td>
</tr>
<tr>
<td>Valproic Acid</td>
</tr>
<tr>
<td>Vancomycin</td>
</tr>
</tbody>
</table>

### Trace Elements In Blood Programme+  🌈

**RQ9172** (3 ml)
7 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
</tr>
<tr>
<td>Iodine</td>
</tr>
<tr>
<td>Lead</td>
</tr>
<tr>
<td>Magnesium</td>
</tr>
<tr>
<td>Manganese</td>
</tr>
<tr>
<td>Nickel</td>
</tr>
<tr>
<td>Selenium</td>
</tr>
<tr>
<td>Zinc</td>
</tr>
</tbody>
</table>

### Trace Elements In Serum Programme+  🌈

**RQ9170** (3 ml)
10 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium</td>
</tr>
<tr>
<td>Chromium</td>
</tr>
<tr>
<td>Copper</td>
</tr>
<tr>
<td>Iodine</td>
</tr>
<tr>
<td>Lead</td>
</tr>
<tr>
<td>Manganese</td>
</tr>
<tr>
<td>Nickel</td>
</tr>
<tr>
<td>Selenium</td>
</tr>
<tr>
<td>Zinc</td>
</tr>
</tbody>
</table>

### Trace Elements In Urine Programme+  🌈

**RQ9171** (3 ml)
11 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium</td>
</tr>
<tr>
<td>Chromium</td>
</tr>
<tr>
<td>Copper</td>
</tr>
<tr>
<td>Iodine</td>
</tr>
<tr>
<td>Lead</td>
</tr>
<tr>
<td>Magnesium</td>
</tr>
<tr>
<td>Nickel</td>
</tr>
<tr>
<td>Selenium</td>
</tr>
<tr>
<td>Thallium</td>
</tr>
</tbody>
</table>

### Urinalysis Programme+ With scoring  🌈

**RQ9138** (12 ml)
14 Parameters
Samples every 2 months, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albumin</td>
</tr>
<tr>
<td>Bilirubin</td>
</tr>
<tr>
<td>Blood</td>
</tr>
<tr>
<td>Creatinine</td>
</tr>
<tr>
<td>Galactose</td>
</tr>
<tr>
<td>Glucose</td>
</tr>
<tr>
<td>hCG</td>
</tr>
<tr>
<td>Ketones</td>
</tr>
<tr>
<td>Leucocytes</td>
</tr>
<tr>
<td>Lactate</td>
</tr>
<tr>
<td>Leucine</td>
</tr>
<tr>
<td>Leuine</td>
</tr>
<tr>
<td>Magnesium</td>
</tr>
<tr>
<td>Melanin</td>
</tr>
</tbody>
</table>
| N-acetyl-
| Neuramins |
| Osmolality|
| Phosphorus|
| Specific Gravity |
| Urobilinogen |

### Urine Toxicology Programme+  🌈

**RQ9139** (5 ml)
20 Parameters
Samples every month, 1 x 12 month cycle, 12 month subscription

<table>
<thead>
<tr>
<th>Drug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoylglycerine</td>
</tr>
<tr>
<td>Buprenorphine</td>
</tr>
<tr>
<td>Cannabinoinds (THC)</td>
</tr>
<tr>
<td>Catine</td>
</tr>
<tr>
<td>Creatinine</td>
</tr>
<tr>
<td>d-Amphetamine</td>
</tr>
<tr>
<td>d-Methamphetamine</td>
</tr>
<tr>
<td>EDDP</td>
</tr>
<tr>
<td>Ethanol</td>
</tr>
<tr>
<td>Free Morphone</td>
</tr>
<tr>
<td>Lorazepam</td>
</tr>
<tr>
<td>LSD</td>
</tr>
<tr>
<td>MDMA</td>
</tr>
<tr>
<td>Methadone</td>
</tr>
<tr>
<td>Nortryptiline</td>
</tr>
<tr>
<td>Norpropoxyphene</td>
</tr>
<tr>
<td>Oxytozamide</td>
</tr>
<tr>
<td>Phencyclidine</td>
</tr>
<tr>
<td>Phenobarbital</td>
</tr>
<tr>
<td>Secobarbital</td>
</tr>
</tbody>
</table>

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Whilst every attempt is made to ensure that information is accurate and up-to-date, some information is subject to change, please contact RIQAS for current details.
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Renowned for quality and reliability, the RX series combines robust hardware and intuitive software with the world leading RX series test menu comprising an extensive range of high quality reagents including routine chemistries, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants and diabetes testing. The RX series offers excellence in patient care delivering unrivalled precision and accuracy for results you can trust, guaranteeing real cost savings through consolidation of routine and specialised tests onto one single platform.

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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 50,000 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. The QCMD range of molecular infectious disease EQA programmes feature a whole pathogen matrix ensuring 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.

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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 immunoanalyzer’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  reagents@randox.com  randox.com

INTERNATIONAL OFFICES

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

BRAZIL
Randox Brasil Ltda
Tel: +55 11 3181-2924

CHINA
Randox Laboratories Ltd
Tel: +86 021 6288 6240

CZECH REPUBLIC
Randox Laboratories S.R.O
Tel: +420 2 1115 1661

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

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

HONG KONG
Randox Laboratories Hong Kong Limited
Tel: +852 3995 0515

ITALY
Randox Laboratories Ltd
Tel: +39 06 9896 8934

INDIA
Randox Laboratories India Pvt Ltd
Tel: +91 22 862 1080

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

PORTUGAL
Laboratório Química Analítica Ltda
Tel: +351 22 239 8320

PUERTO RICO
Clinical Diagnostics of Puerto Rico, LLC
Tel: +1 787 701 7000

REPUBLIC OF IRELAND
Randox Teoranta
Tel: +353 7915 22600

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

SOUTH AFRICA
Randox Laboratories SA (Pty) Ltd
Tel: +27 (0) 11 312 3390

SPAIN
Laboratorios Randox S.L
Tel: +34 91 475 09 64

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

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

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: +1 304 728 2890

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

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