

RANDOX

# POINT-OF-CARE CONTROLS

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ACUSERA

# OFFERING PEACE OF MIND AT THE POINT-OF-CARE

Until recently Quality Control (QC) in Point-of-Care testing (POCT) was considered unnecessary. However, the Ontario Laboratory Accreditation Body carried out key research into POCT, concluding it is the largest source of error in the hospital. With the introduction of ISO 22870, which is intended to be used simultaneously with ISO 15189, we now have specific guidelines for developing appropriate IQC and EQA procedures for POCT.

POCT is typically carried out by the patient's bedside in; the Emergency Department, Intensive Care Unit, Polyclinic, GP Office or Outpatient Clinic. Therefore, when selecting the appropriate IQC material for POCT there are a number of key characteristics you must consider. The Randox Acusera range of quality controls offer many advantages for those relying on POCT.

The following characteristics make our Blood Gas, Low Level hCG, Liquid Urinalysis and Liquid HbA1c quality controls ideal for use in POCT;

- **Format of the material** - most of these controls are presented in a liquid ready-to-use format, therefore requiring no preparation.
- **Value assignment** - all values are accurately assigned using data from thousands of independent labs, saving you valuable time.
- **Third party controls** - delivering unbiased performance assessment with any platform.
- **Storage** - convenient storage at 2°C to 8°C eliminates the need for industrial freezers and reduces shipping costs as there is no need for dry ice.
- **Stability** - with an exceptional stability of up to 30 days waste and costs are kept to a minimum.

A white paper outlining the importance of [Quality Control in POCT](#) has been published and is available to download from [randoxqc.com](#)

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## POINT-OF-CARE CONTROLS

### Blood Gas Control

Combining 10 parameters including electrolytes and lactate, the Acusera Blood Gas control is designed to meet the demands of today's blood gas analysers. Supplied in convenient, easy to open ampoules and in a liquid ready-to-use format, preparation is kept to an absolute minimum, making this control ideally suited for POCT. As a true third party control, assayed target values are provided ensuring unbiased performance assessment.

#### Analytes

Calcium | Chloride | Glucose | Lactate | pCO<sub>2</sub>  
pH | pO<sub>2</sub> | Potassium | Sodium | Total CO<sub>2</sub>

#### Ordering Details

Blood Gas Control Level 1	30 x 1.8 ml	BG5001
Blood Gas Control Level 2	30 x 1.8 ml	BG5002
Blood Gas Control Level 3	30 x 1.8 ml	BG5003

#### Features & Benefits

- Liquid ready-to-use
- Three levels available covering the full clinical range
- Assayed values available for 10 parameters
- Once opened, controls should be analysed immediately for pH and blood gas parameters; for electrolyte measurements, controls should be analysed within 1 hour of opening

# POINT-OF-CARE CONTROLS

## Low Level hCG Control

Third party QC solution for the measurement of hCG on Alere hCG Cassettes. This Acusera control provides an unbiased, independent assessment of analytical performance helping to ensure accurate and reliable patient testing for hCG. This single level control will cover the low level of hCG testing on the Alere hCG Cassettes.

### Analytes

Low Level hCG

### Features & Benefits

- Lyophilised for enhanced stability
- Human based urine
- Assayed target values provided for Alere hCG Cassette
- Stable to expiry date at 2°C to 8°C

### Ordering Details

Low Level hCG Control      3 x 1 ml      PF10333

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## Urinalysis Control

The Acusera Urinalysis control has been specifically designed for use in the quality control of urine test strips. Our user-friendly liquid ready-to-use format will dramatically reduce preparation time while a stability of 30 days will keep waste to a minimum. Assayed values are provided for 13 analytes covering a range of test strip manufacturers.

### Analytes

Albumin | Bilirubin | Blood | Creatinine | Glucose  
hCG | Ketones | Leukocytes | Nitrite | pH | Protein  
Specific Gravity | Urobilinogen

### Features & Benefits

- Liquid ready-to-use
- 100% human urine
- Two levels available covering the full clinical range
- Assayed ranges provided for 13 parameters
- Open vial stability of 30 days at 2°C to 25°C

### Ordering Details

Urinalysis Control Level 1      12 x 12 ml      UC5033  
Urinalysis Control Level 2      12 x 12 ml      UC5034

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## Liquid HbA1c Control

The Acusera Liquid HbA1c control has been designed with user convenience in mind. The availability of assayed target values for HPLC, will ensure accurate instrument performance at key decision levels while ultimately facilitating reliable Diabetes monitoring.

### Analytes

HbA1c

### Features & Benefits

- Liquid ready-to-use
- Human whole blood providing a matrix similar to a patient sample
- Assayed target values and ranges for HPLC
- Open vial stability of 30 days when stored at 2°C to 8°C

### Ordering Details

Liquid HbA1c Control Level 1      6 x 1 ml      HA10224  
Liquid HbA1c Control Level 2      6 x 1 ml      HA10225  
Liquid HbA1c Control Level 1 & 2      2 x 2 x 0.5 ml      HA10155

**RANDOX**  
QUALITY CONTROL



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