

ACUSERA

POINT-OF-CARE CONTROLS



RANDOX

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 and error, 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.

Point-of-Care testing 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 liquid ready-to-use quality controls offer many advantages for those relying on Point-of-Care testing.

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

- **Format of the material** – 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 2-8°C eliminates the need for industrial freezers and reduces shipping costs as no need for dry ice.
- **Stability** – with the exception of our Blood Gas control, all Randox Acusera controls suitable for use in POCT have a 30 day open vial stability keeping waste to a minimum.

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

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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 POC testing. As a true third party control, assayed target values are provided ensuring unbiased performance assessment.

Analytes

Calcium | Chloride | Glucose | Lactate | pCO₂
pH | pO₂ | Potassium | Sodium | Total CO₂

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 within 1 minute for pH and blood gas parameters; for electrolyte measurements, controls should be analysed within 1 hour of opening

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Liquid Cardiac Control

A comprehensive control designed for use in the routine monitoring of accuracy and precision. Assayed instrument specific target values and ranges are provided for 8 cardiac markers on a wide range of chemistry, immunoassay & POCT instruments, eliminating the need to spend time assigning target values in-house. The convenient liquid ready-to-use format will dramatically reduce preparation time while an open vial stability of 30 days for all analytes will minimise waste and reduce costs. Three individual levels are available spanning the complete clinical range, helping to ensure accurate performance at key decision levels.

Analytes

CK-MB Mass | Digoxin | D-dimer | hsCRP
Myoglobin | NT-proBNP | Troponin I | Troponin T

Ordering Details

Liquid Cardiac Control Level 1	3 x 3 ml	CQ5051
Liquid Cardiac Control Level 2	3 x 3 ml	CQ5052
Liquid Cardiac Control Level 3	3 x 3 ml	CQ5053

Features & Benefits

- 100% human serum
- Liquid ready-to-use
- Three levels available covering the full clinical range
- Assayed target values provided for 8 cardiac markers
- Open vial stability of 30 days at 2°C to 8°C for all parameters

Liquid 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

Ordering Details

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

Features & Benefits

- Liquid ready-to-use
- 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

Liquid HbA1c Control

The Acusera Liquid HbA1c Control has been designed with convenience in mind for POCT. 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

Ordering Details

Liquid HbA1c Control Level 1 & 2	2 x 2 x 0.5ml	HA10155
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Features & Benefits

- Liquid ready-to-use
- Human whole blood providing a matrix similar to a patient sample
- Convenient bi-level pack testing the full clinical range
- Assayed target values and ranges for HbA1c
- Open vial stability of 30 days when stored at 2°C to 8°C

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QUALITY CONTROL



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