

ACUSERA VERIFY

LINEARITY VERIFICATION



RANDOX



ACUSERA VERIFY

Keep your instrument in check with liquid ready-to-use calibration verification materials



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BENEFITS

Our range of instrument dedicated, liquid ready-to-use calibration verifiers is designed to challenge the entire Analytical Measuring Range, whilst helping to meet CLIA requirements and remaining convenient to use.



Consolidation

- Reduce costs, storage space and the number of individual products required to cover your test menu with our comprehensive, multi-analyte Calibration Verifiers.



Liquid ready-to-use

- All samples are provided in a user-friendly, liquid ready-to-use format significantly reducing preparation time and the risk of pipetting errors.



Clinically relevant levels

- Specifically designed to challenge the complete Analytical Measuring Range (AMR), helping to ensure accurate and reliable instrument performance. A minimum of 5 levels eliminates the need for manual dilution and allows for more comprehensive assessment than the minimum requirement of 3 levels set by CLIA.



Instrument Dedicated

- Help to ensure specific instrument requirements are met with the availability of dedicated solutions for both Beckman and Roche Cobas systems.



Stability

- An extended open vial stability keeps waste to a minimum and ensures availability of product for troubleshooting.



Data Reduction Software

- Complimentary data reduction software is provided delivering an immediate indication of performance.

SOLUTIONS FOR BECKMAN ANALYSERS

Cardiac Markers

Comprising three common cardiac markers in a liquid ready-to-use format, the Acusera cardiac linearity material is designed to objectively verify calibration whilst remaining convenient and easy to use. Five distinct levels are provided, spanning the instruments' reportable range.

Benefits

- Convenient, liquid ready-to-use format
- 5 levels provided
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 2 years from date of manufacture

Analytes

CK-MB Mass | Myoglobin | Troponin I

Description	Size	Cat. No.
Cardiac Linearity Verifiers (for Beckman systems)	5 x 2 ml	LV10151

Specific Proteins 1

Uniquely combining ten serum proteins, reducing the number of individual products required to cover your test menu. Designed primarily for use with Beckman AU systems, specific instrument requirements are met. Five distinct levels are provided in a user-friendly liquid ready-to-use format.

Benefits

- Convenient, liquid ready-to-use format
- 5 levels provided
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture

Analytes

ASO | Complement C3 | Complement C4 | CRP | Ferritin | IgA | IgG | IgM | Prealbumin | Transferrin

Description	Size	Cat. No.
Protein 1 Linearity Verifiers (for Beckman AU systems)	5 x 1.5 ml	LV10147

Specific Proteins 2

Designed to effectively challenge the instruments' reportable range, the Acusera Specific Proteins 2 linearity material comprises five common serum proteins. Five distinct levels are supplied in a convenient liquid ready-to-use format with assayed values available for Beckman AU systems.

Benefits

- Convenient, liquid ready-to-use format
- 5 levels provided
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture

Analytes

α -1-Acid-Glycoprotein | α -1-Antitrypsin | β -2 Microglobulin | Ceruloplasmin | Haptoglobin

Description	Size	Cat. No.
Protein 2 Linearity Verifiers (for Beckman AU systems)	5 x 1.5 ml	LV10148

SOLUTIONS FOR BECKMAN ANALYSERS

Therapeutic Drugs

Specifically designed for use with Beckman AU systems, five unique levels are supplied spanning the instruments' reportable range. A total of 21 therapeutic drugs are presented in a single, liquid ready-to-use product eliminating the need to purchase additional material to cover your test menu while remaining easy and convenient to use.

Benefits

- Convenient, liquid ready-to-use format
- 5 levels provided
- 14 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture

Analytes

Acetaminophen | Amikacin | Caffeine | Carbamazepine | Digoxin | Disopyramide | Ethosuximide | Gentamicin
Lidocaine | Lithium | N-Acetylprocainamide | Phenobarbital | Phenytoin | Primidone | Procainamide | Quinidine
Salicylate | Theophylline | Tobramycin | Valproic Acid | Vancomycin

Description

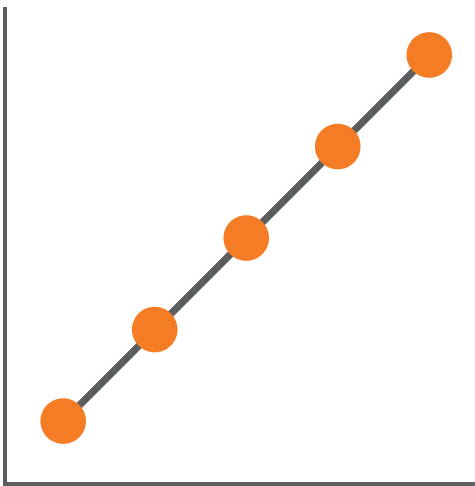
Therapeutic Drug Monitoring Linearity Verifiers (for Beckman systems)

Size

5 x 3 ml

Cat. No.

LV10149



In order to ensure the highest possible standards in laboratory testing, CLIA has recommended that laboratories perform and document calibration verification procedures at least twice per year and/or in the event of the following;

Change of reagents | Instrument maintenance | Poor QC results | New instrument

SOLUTIONS FOR ROCHE ANALYSERS

Cardiac Markers

Uniquely combining six common cardiac markers in a user friendly, liquid ready-to-use format, preparation time is significantly reduced. Designed for use with Roche Cobas systems, six unique levels are supplied ensuring accurate assessment of the instruments reportable range.

Benefits

- Convenient, liquid ready-to-use format
- 6 levels provided
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 2 years from date of manufacture

Analytes

CK-MB Mass | D-Dimer | Myoglobin | NT-proBNP | Troponin T | hsTroponin T

Description

Cardiac Linearity Verifiers (for Roche Cobas systems)

Size

6 x 2 ml

Cat. No.

LV10150

Specific Proteins 1

Uniquely combining six serum proteins, reducing the number of individual products required to cover your test menu. Designed primarily for use with Roche Cobas systems, specific instrument requirements are met. Five distinct levels are provided in a user-friendly liquid ready-to-use format.

Benefits

- Convenient, liquid ready-to-use format
- 5 levels provided (6 for IgA, IgG and IgM)
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture

Analytes

Complement C3 | Complement C4 | IgA | IgG | IgM | Transferrin

Description

Protein 1 Linearity Verifiers (for Roche Cobas systems)

Size

6 x 1 ml

Cat. No.

LV10143

Specific Proteins 2

Designed to effectively challenge the instruments' reportable range, five distinct levels are supplied in a convenient liquid ready-to-use format with assayed values available for Roche Cobas systems.

Benefits

- Convenient, liquid ready-to-use format
- 5 levels provided
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture

Analytes

α -1-Acid Glycoprotein | α -1-Acid Antitrypsin | β -2-Microglobulin | Ceruloplasmin

Description

Protein 2 Linearity Verifiers (for Roche Cobas systems)

Size

5 x 1 ml

Cat. No.

LV10144

SOLUTIONS FOR ROCHE ANALYSERS

Specific Proteins 3

Comprising three serum proteins, the Acusera Specific Proteins 3 linearity material is designed to effectively challenge the instruments' reportable range, six distinct levels are supplied in a convenient liquid ready-to-use format with assayed values available for Roche Cobas systems.

Analytes

ASO | CRP | Haptoglobin

Description

Protein 3 Linearity Verifiers (for Roche Cobas systems)

Size

6 x 1 ml

Cat. No.

LV10145

Benefits

- Convenient, liquid ready-to-use format
- 6 levels provided (5 for Haptoglobin)
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture

Specific Proteins 4

Comprising three serum proteins, the Acusera Specific Proteins 4 linearity material is designed to effectively challenge the instruments' reportable range while remaining easy and convenient to use. Six distinct levels are supplied with assayed values available for Roche Cobas systems.

Analytes

Albumin | Prealbumin | Rheumatoid Factor

Description

Protein 4 Linearity Verifiers (for Roche Cobas systems)

Size

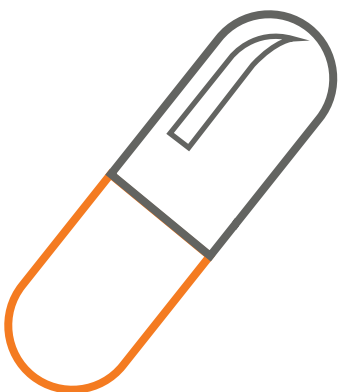
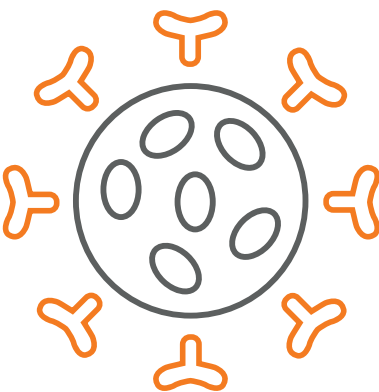
6 x 1 ml

Cat. No.

LV10146

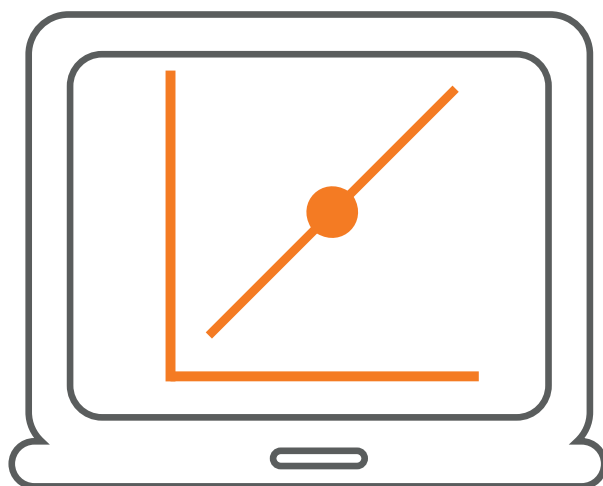
Benefits

- Convenient, liquid ready-to-use format
- 6 levels provided (5 for Rheumatoid Factor)
- 30 day open vial stability at 2°C to 8°C
- Shelf life up to 3 years from date of manufacture



DATA REDUCTION SOFTWARE

Complimentary data reduction software is available for use with all Randox calibration verification sets, delivering instant access to a wide range of functionality to make the data review process faster.



Providing instant access to automatically generated charts, statistics and real-time peer group data, the Acusera Verify software is designed to significantly reduce the time spent analysing data, facilitating immediate laboratory decisions.

- Cloud based software allowing convenient access from anywhere in the lab
- Intuitive user-friendly interface with simple data entry functionality
- Easy-to-interpret, interactive charts for at-a-glance performance assessment
- Unique traffic light system indicating pass or fail
- Automatically generated statistics
- Peer group data updated live in real-time for faster troubleshooting

Did you know you can manage both daily QC activities and calibration verification on one centralised platform? Find out more at www.randoxqc.com

INDEX

Dedicated solutions are available for Roche Cobas & Beckman systems. Use the table below to determine the best solution for your lab.

Cardiac Markers	Beckman Access	Roche Cobas
CK-MB Mass	●	●
D-Dimer	-	●
Myoglobin	●	●
NT-proBNP	-	●
Troponin I	●	-
Troponin T	-	●
hsTroponin T	-	●
Specific Proteins 1	Beckman AU	Roche Cobas
ASO	●	-
Complement C3	●	●
Complement C4	●	●
CRP	●	-
Ferritin	●	-
IgA	●	●
IgG	●	●
IgM	●	●
Prealbumin	●	-
Transferrin	●	●
Specific Proteins 2	Beckman AU	Roche Cobas
α-1-Acid Glycoprotein	●	●
α-1-Antitrypsin	●	●
β-2-Microglobulin	●	●
Ceruloplasmin	●	●
Haptoglobin	●	-
Specific Proteins 3	Beckman AU	Roche Cobas
ASO	-	●
CRP	-	●
Haptoglobin	-	●
Specific Proteins 4	Beckman AU	Roche Cobas
Albumin	-	●
Prealbumin	-	●
Rheumatoid Factor	-	●

TDM	Beckman AU	Roche Cobas
Acetaminophen	●	-
Amikacin	●	-
Caffeine	●	-
Carbamazepine	●	-
Digoxin	●	-
Disopyramide	●	-
Ethosuximide	●	-
Gentamicin	●	-
Lidocaine	●	-
Lithium	●	-
N-Acetylprocainamide	●	-
Phenobarbital	●	-
Phenytoin	●	-
Primidone	●	-
Procainamide	●	-
Quinidine	●	-
Salicylate	●	-
Theophylline	●	-
Tobramycin	●	-
Valproic Acid	●	-
Vancomycin	●	-

ACUSERA True third party quality controls

As a world leading manufacturer of multi-analyte true third party controls, thousands of laboratories rely on Randox to accurately assess test system performance and ultimately empower them with the confidence required to release patient test results. With more than 390 analytes available, the number of individual controls required to cover your test menu is significantly reduced while simultaneously reducing costs, time and storage space. A choice of formats is available, including liquid or lyophilised, which ensures flexibility and suitability for laboratories of all sizes and budgets. Helping you to meet ISO 15189:2012 requirements:

- Designed to react to the test system in the same manner as a patient sample, helping to reduce inconvenient shifts in QC results when reagent batch is changed and ultimately providing a true indication of laboratory performance.
- The presence of analytes at key decision levels ensures accurate instrument performance and eliminates the need for additional low/high controls at extra expense.
- Manufactured independently from any instrument, the Acusera range delivers unbiased performance assessment with any instrument or method, while eliminating the need for multiple instrument specific controls.

Product Portfolio

Antioxidants | Blood Gas | Cardiac Markers | Routine Chemistry | Coagulation | Haematology | Diabetes
Immunoassay | Immunology | Lipids | POCT | Therapeutic Drugs | Toxicology | Urine Chemistry



Uniquely combining more than 100 analytes conveniently in a single control, laboratories can significantly reduce costs and consolidate without compromising on quality. As true third party controls, unbiased performance assessment with any instrument or method is guaranteed.

RELATED PRODUCTS

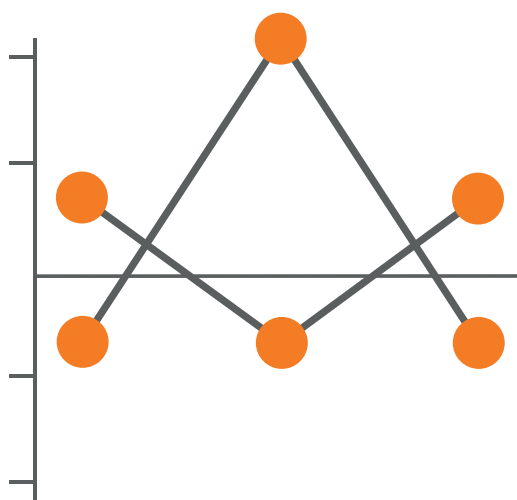
ACUSERA 24•7 Interlaboratory Data Management

Designed for use with the Acusera range of third party controls, the Acusera 24•7 software helps laboratories monitor and interpret their QC data. Access to an impressive range of features, including interactive charts, the automatic calculation of Measurement Uncertainty & Sigma Metrics and live peer group data generated from our extensive database of laboratory participants, ensures Acusera 24•7 is the most comprehensive package available.

- Advanced statistical analysis with automatic calculation of performance metrics including: Sigma, UM, TE & %Bias.
- Instantly discover how you compare to your peers with peer group statistics updated live in real-time reducing time and money spent troubleshooting.
- Interactive charts allowing you to add events and multiple data sets for quick and easy performance monitoring.
- Automated data import with bi-directional connection to LIMS (eliminating manual data entry).

Software Features

Dashboard | Result History | Interactive Levey-Jennings Charts | Interactive Histogram Charts
Performance Summary Charts | Statistical Analysis Report | Statistical Metrics Report
Uncertainty of Measurement Report | Exception Report | Peer Group Statistics | Acusera Advisor
Audit Trail Report



'The laboratory shall have a procedure to prevent the release of patient results in the event of quality control failure. When the quality controls rules are violated and indicate that examination results are likely to contain significant errors the results shall be rejected... Quality Control data shall be reviewed at regular intervals to detect trends in examination performance'.

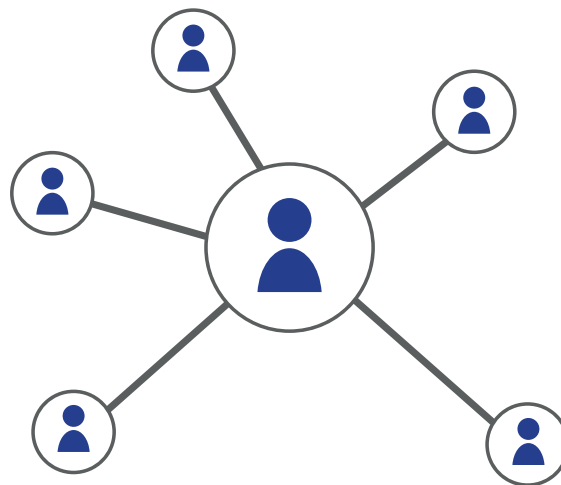
RIQAS Randox International Quality Assessment Scheme

Boasting over 45,000 participants and more than 360 parameters across 32 comprehensive & flexible EQA programmes, RIQAS is the largest international EQA scheme. Designed to cover all areas of clinical testing, each of our multi-analyte programmes is designed to reduce the number of individual programmes required saving precious laboratory time and money. In addition each programme benefits from a wide range of concentrations, frequent reporting, rapid feedback and informative yet user-friendly reports.

- Programmes accredited to ISO/IEC 17043 helping laboratories to meet ISO 15189:2012 requirements.
- Simple one page per parameter report format enables at-a-glance performance assessment saving time spent analysing results.
- Rapid report turnaround within 72 hours from the submission deadline ensures any corrective actions can be taken quickly, minimising the number of sample repeats required.
- Laboratories can register up to 5 instruments per programme at no extra cost and receive a complimentary multi-instrument report for comparative performance assessment.

Programme Offering

Ammonia/Ethanol | Anti-TSH Receptor | Blood Gas | BNP | Cardiac | Cerebrospinal Fluid (CSF) | Clinical Chemistry Coagulation | CYFRA 21-1 | ESR | Glycated Haemoglobin (HbA1c) | Haematology | Human Urine Immunoassay | Immunoassay Speciality 1 | Immunoassay Speciality 2 | Immunosuppressant | Lipid | Liquid Cardiac Maternal Screening | Serology (EBV) | Serology (HIV/Hepatitis) | Serology (Syphilis) | Serology (ToRCH) Specific Proteins | Sweat Testing | TDMs | Trace Elements in Blood | Trace Elements in Serum Trace Elements in Urine | Urinalysis | Urine Toxicology



 With over 45,000 lab participants, peer group numbers are maximised ensuring availability of data for a wide range of instruments and methods.

RANDOX - A GLOBAL DIAGNOSTIC SOLUTIONS PROVIDER

RX series of Clinical Analysers

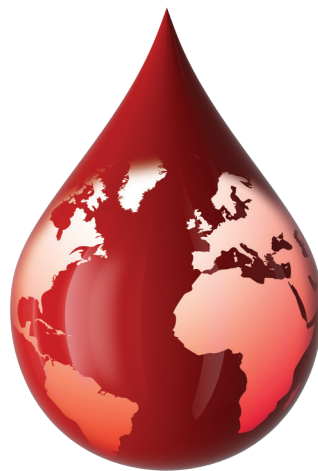
The RX series combines robust hardware and intuitive software with the world leading RX series test menu, including routine chemistries, specific proteins, lipids, therapeutic drugs, drugs of abuse, antioxidants and diabetes testing. Renowned for quality and reliability, the RX series boasts one of the most extensive dedicated clinical chemistry test menus on the market guaranteeing real cost savings through consolidation of routine and specialised tests onto a single platform. This extensive dedicated test menu of high quality reagents guarantees excellence in patient care reducing costly test re-runs or misdiagnosis and offers unrivalled precision and accuracy for results you can trust.

Biochemistry Reagents

Randox offers an extensive range of diagnostic reagents, giving biochemistry laboratories the opportunity to advance their routine and niche testing. The Randox reagents range goes beyond routine chemistries. At Randox we re-invest significantly in research and development to ensure we meet the ever changing needs of the laboratory. As a result, the esoteric reagents range from Randox is extensive and includes sLDL, Lipoprotein(a), H-FABP, Cystatin C, TxBCardio, Adiponectin, Bile Acids, Copper, D-3-Hydroxybutyrate, G-6-PDH, Non-Esterified Fatty Acids, Total Antioxidant Status and Zinc. Randox Reagents provide a number of benefits for the laboratory: Cost savings through excellent stability, automated methods and standards supplied with some kits; confidence in results with high performance methods, minimal interferences and wide measuring ranges; convenience and choice with applications for over 100 biochemistry analysers; liquid ready-to-use reagents, a wide range of kit sizes and complementary controls and calibrators.

Biochip Array Technology

Biochip Array Technology (BAT) is an innovative assay technology for multi-analyte screening of biological samples in a rapid, accurate and easy to use format. BAT offers highly specific tests, coupled to highly sensitive chemiluminescent detection, providing quantitative results in easy to interpret reports. Randox BAT assays offer diagnostic, prognostic and predictive solutions across a variety of disease areas including sexually transmitted infection, cardiovascular disease (CVD), familial hypercholesterolemia (FH), colorectal cancer and respiratory infection.



Randox has been supplying laboratories worldwide with revolutionary diagnostic solutions for over 30 years. Our experience and expertise allow us to create a leading product portfolio of high quality diagnostic tools which offer reliable and rapid diagnosis. We believe that by providing laboratories with the right tools, we can improve healthcare worldwide.

Contact us for more information on any of our products and services:

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RANDOX
QUALITY CONTROL



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