



Bio-Rad Quality Control Products in Compact Vials



Quality Controls in Compact Vials



Our comprehensive range of liquid, multi-analyte quality controls are filled in compact barcoded vials, compatible with automated platforms, such as Siemens Dimension Vista and Abbott Alinity. These assayed controls, with instrument and refrigerated storage options, are for use as routine quality control on applicable automated platforms*.

Quality controls in compact barcoded vials allows your laboratory to:

- Improve confidence in QC test results
- Access extensive Unity peer group reports and comparisons
- Scan 2D barcodes to automatically set-up QC with assigned values to prevent transcription errors on the Dimension Vista
- Alleviate manual pour-off tasks for applicable instruments to minimize handling errors and reduce the cost of extra consumables

*Refer to myinserts.com or the package insert of currently available lots for specific analyte and stability claims.



Interested in a barcoded, ready-to-use QC solution similar to patient samples?

InteliQ load-and-go quality controls are a barcoded QC solution in a plastic tube that is similar to patient samples. InteliQ controls eliminate tedious pour-off tasks and manual data entry, helping to automate and streamline your daily QC.

Learn more at qcnet.com/inteliq

Quality Controls in Barcoded Compact Vials Make QC More Efficient

1

QC Product Set-up

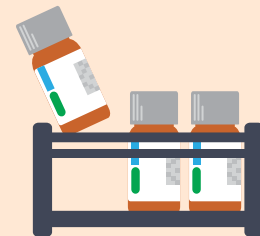
Configure instrument with product and lot number for automatic loading of compact vials.*



2

Barcode and Load

Compact QC vials are inserted into the vial carrier and loaded onto the instrument for automated scanning.**



3

Compare Data

Connect and access the Unity Data Management program to compare results with labs worldwide. If you do not have access to Unity, please contact your Bio-Rad representative for on-boarding and utilization on your platform.



Bio-Rad Controls in compact vials make using your Dimension Vista even more efficient

- 2D barcodes can be scanned from the product insert for automatic QC setup with assigned values to prevent transcription errors
- QC vials can be loaded and stored refrigerated on the Dimension Vista, providing automated on-board QC.

*For Dimension Vista: Scan 2D from product insert for automatic QC Setup.
**Use Abbott Alinity supplemental barcodes to label compact vials before use.

Liquid Assayed Multiqual Control



- Provides a comprehensive range of chemistry analytes for monitoring the precision of general chemistry test procedures
- Liquid, human serum based
- 5 day open-vial stability for all analytes when stored at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C

Analytes

General Chemistry

Albumin
Alkaline Phosphatase (ALP)
ALT/SGPT
Amylase
AST/SGOT
Bilirubin (Direct)
Bilirubin (Total)
Calcium (Total)
Chloride
Cholesterol (HDL)
Cholesterol (LDL)
Cholesterol (Total)
CO₂
Creatine Kinase
Creatinine
Ethanol

GGT
Glucose
Iron
Iron (TIBC)
Lactate (Lactic Acid)
Lactate Dehydrogenase (LDH)
Lipase
Magnesium
Phosphorus
Potassium
Protein (Total)
Pseudocholesterase
Sodium
Triglycerides
Urea Nitrogen
Uric Acid

Immunology

Alpha-1-Antitrypsin
Apolipoprotein A-1
Apolipoprotein B
Ceruloplasmin
Complement C3
Complement C4
Haptoglobin
Immunoglobulin A (IgA)
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)
Prealbumin
Transferrin
Therapeutic Drug Monitoring
Acetaminophen
Carbamazepine
Digoxin

Gentamicin
Lithium
Phenobarbital
Phenytoin
Salicylate
Theophylline
Tobramycin
Valproic Acid
Immunoassay
Ferritin
T3 (Total)
T3 Uptake/T-Uptake
T4 (Free)
T4 (Total)
TSH
Vitamin B₁₂

Liquichek Cardiac Markers Plus Control LT



- A comprehensive cardiac assessment control
- Level 1C Troponin I values at or near the 99th percentile upper reference limit (URL) of Troponin I LOCI method
- Value assigned for hs-CRP
- Liquid, human serum based
- 5 day open-vial stability for all analytes when stored at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C

Analytes

CK (Total)
CK-MB Isoenzyme
CRP
Digitoxin
Myoglobin
NT-proBNP
Troponin I

Liquichek Diabetes Control



- Monitors the precision of diabetes testing procedures
- Liquid, human whole blood based
- 30 day open-vial stability at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C

Analyte

Hemoglobin A1C

Liquichek Ethanol/Ammonia Control



- Offers normal, elevated and toxic concentrations of Ethanol and Ammonia
- 20 day open-vial stability for both analytes when stored at 2-8°C
- 2 year shelf life when stored at 2-8°C

Analytes

Ammonia
Ethanol

Liquichek Immunoassay Plus Control



- Efficient solution for QC of routine Immunoassay and Therapeutic Drug Monitoring analytes
- Liquid, human serum based
- 4 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life when stored at -20°C to -50°C

Analytes

Therapeutic Drug Monitoring

Acetaminophen
Amikacin
Caffeine
Carbamazepine
Digoxin
Gentamicin
Lidocaine
Lithium
N-Acetylprocainamide (NAPA)
Phenobarbital
Phenytoin
Procainamide

Salicylate
Theophylline
Tobramycin
Tricyclic Antidepressants (TCA)
 Screen
Valproic Acid
Vancomycin

Immunology

Immunoglobulin A (IgA)
Immunoglobulin E (IgE)
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)

Immunoassay

Alphafetoprotein (AFP)
CEA
Estradiol
Ferritin
Folate
FSH
hCG-β Subunit
LH
Prolactin
PSA
PSA (Free)
T3 (Free)

T3 (Total)
T3 Uptake/T-Uptake
T4 (Free)
T4 (Total)
TSH
Vitamin B₁₂

Cardiac

CK-MB Isoenzyme

General Chemistry

Iron

Liquichek Immunology Control



- Comprehensive control to monitor the precision of serum proteins and related analyte test procedures
- Liquid, human serum based
- 5 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life when stored at -20°C to -50°C

Analytes

α-1-Acid Glycoprotein
α-1-Antitrypsin
α-2-Macroglobulin
β-2-Microglobulin
Albumin
Antistreptolysin O (ASO)
Apolipoprotein A-1

Apolipoprotein B
C1 Inhibitor
Ceruloplasmin
Complement C3
Complement C4
CRP
Cystatin C

Ferritin
Haptoglobin
Immunoglobulin A (IgA)
Immunoglobulin E (IgE)
Immunoglobulin G (IgG)
Immunoglobulin G Subclasses 1-4
Immunoglobulin M (IgM)

Kappa Light Chain
Lambda Light Chain
Prealbumin
Protein (Total)
Retinol Binding Protein (RBP)
Rheumatoid Factor
Transferrin

Liquichek Pediatric Control



- Monitors precision of analyte test procedures at higher concentrations important for neonatal testing
- Suitable for monitoring high Bilirubin levels important for adult liver disease.
- Liquid
- 14 day open-vial stability for all analytes when stored at 2-8°C
- 3 year shelf life when stored at -20°C to -50°C

Analytes

Bilirubin (Direct)	Glucose
Bilirubin (Total)	Magnesium
Caffeine	Potassium
Calcium	Sodium
Chloride	Theophylline

Liquichek Spinal Fluid Control



- Multi-analyte control with relevant concentrations of analytes for cerebrospinal fluid tests
- Liquid, human based
- 30 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life at 2-8°C

Analytes

Albumin	Lactate (Lactic Acid)
Chloride	Lactate Dehydrogenase (LDH)
Glucose	Protein (Total)
Immunoglobulin G (IgG)	Sodium

Liquichek Tumor Marker Control



- Monitors the precision of tumor marker testing procedures
- Liquid, human based
- 10 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life when stored at -20°C to -50°C

Analytes

Alphafetoprotein (AFP)	Prolactin
β -2-Microglobulin	PSA (Free)
CA 15-3	PSA (Total)
CA 19-9	
CA 125	
Carcinoembryonic Antigen (CEA)	
Ferritin	
hCG	

Liquichek Urine Chemistry Control



- Monitors the precision of general urine chemistry testing procedures
- Includes Amylase and Creatinine
- Liquid, human urine based
- 30 day open-vial stability for all analytes when stored at 2-8°C
- 2 year shelf life when stored refrigerated at 2-8°C

Analytes

Amylase	Phosphorus
Calcium	Potassium
Chloride	Protein (Total)
Creatinine	Sodium
Glucose	Urea Nitrogen
Magnesium	Uric Acid
Microalbumin	



Unity QC Data Management Solutions

Bio-Rad Quality Controls are part of the Unity Program with its industry-leading features for benchmarking laboratory performance.

- Benefit from peer data generated from more than 50,000 instruments worldwide
- Utilize real-time access to peer group comparisons to help with troubleshooting
- Consolidate your entire laboratory into one QC system
- Facilitate run-time decisions with optimized Westgard rules
- Facilitate compliance with simple tools to review rule violations and document corrective actions
- Define your own quality requirements and track key quality performance indicators

You can consolidate your entire laboratory into one QC system through our Unity Program. This sophisticated software includes best-in-class tools to support releasing results, benchmarking laboratory performance, and designing your QC system.

Unity Real Time



Expert QC Data Management Solution for Desktop Users

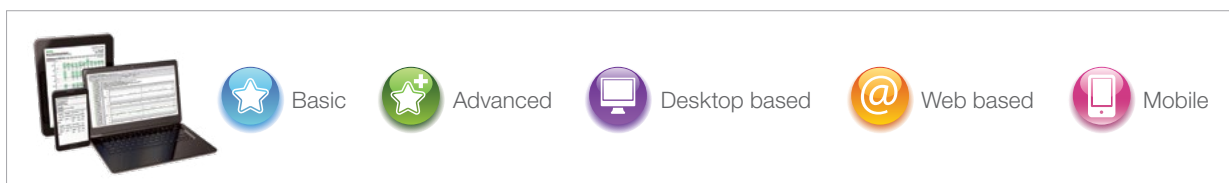
- Facilitate compliance under CLIA and ISO 15189
- Improve real-time bench and supervisor QC data review
- Implement best QC rules when used with Westgard Advisor
- Run validation with comprehensive audit trails
- Advanced charts and reports for data analysis
- Reduce non-essential retests with Analytical Goal options
- Upload QC data points from an LIS, middleware or instrument (optional)
- RiLiBÄK module available to comply with German regulations
- GOST module available to comply with Russian regulations

UnityWeb



Entry-Level Online QC Data Management Solution

- No software to install and maintain
- Use basic QC rules, charts and reports
- Upgrade easily to Unity Real Time online for more advanced tools and features
- Upload QC data points from an LIS, middleware or instrument (optional)



Want to know more? Discover the power of Unity Solutions at QCNet.com/datamanagement

Ordering Information

Cat #	Description	Cat #	Description
Liquid Assayed Multiqual Control		Liquichek Pediatric Control	
337	Level 1 12 x 2.5 mL	176	Level 1 6 x 2.5 mL
338	Level 2 12 x 2.5 mL	177	Level 2 6 x 2.5 mL
339	Level 3 12 x 2.5 mL	178X	Bilevel MiniPak (1 of each level) 2 x 2.5 mL
338X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL		
Liquichek Cardiac Markers Plus Control LT		Liquichek Spinal Fluid Control	
297	Level 1C 6 x 2.5 mL	303	Level 1 6 x 2.5 mL
298	Level 2 6 x 2.5 mL	304	Level 2 6 x 2.5 mL
299	Level 3 6 x 2.5 mL	302X	Bilevel MiniPak (1 of each level) 2 x 2.5 mL
298X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL		
Liquichek Diabetes Control*		Liquichek Tumor Marker Control	
12011308	Level 1 6 x 2 mL	27114	Level 1 6 x 2 mL
12011309	Level 2 6 x 2 mL	27115	Level 2 6 x 2 mL
12011310	Level 3 6 x 2 mL	27116	Level 3 6 x 2 mL
12011331	Trilevel MiniPak (1 of each level) 3 x 2 mL	27115X	Trilevel MiniPak (1 of each level) 3 x 2 mL
Liquichek Ethanol/Ammonia Control		Liquichek Urine Chemistry Control	
271	Level 1 6 x 2.5 mL	195	Level 1 12 x 2.5 mL
272	Level 2 6 x 2.5 mL	196	Level 2 12 x 2.5 mL
273	Level 3 6 x 2.5 mL	198X	Bilevel MiniPak (1 of each level) 2 x 2.5 mL
272X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL		
Liquichek Immunoassay Plus Control		Unity Real Time	
267	Level 1 12 x 2.5 mL	804	Installation Package Single use
268	Level 2 12 x 2.5 mL	804-1	Unity Real Time Annual subscription
269	Level 3 12 x 2.5 mL		
268X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL	UnityWeb	
Liquichek Immunology Control		870-1	UnityWeb Annual subscription
281	Level 1 6 x 2.5 mL	Additional Software Items	
282	Level 2 6 x 2.5 mL	825i	Unity Remote Installation & Training Single use
283	Level 3 6 x 2.5 mL	858i	Additional Software Training Single use
282X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL		

*Not all products may be available in all countries.

EQAS

An independent, external assessment of performance in comparison to your peers.

QCNet.com/eqas

Independent QC

Ongoing, proactive, unbiased daily QC that helps identify errors as they occur or begin to trend.

QCNet.com/independentqc

Unity

QC Data Management tools that help you create a strategy to reduce risk and streamline QC workflow.

QCNet.com/datamanagement



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