Bio-Rad Quality Control Products in Dimension Vista® Vials
Bio-Rad Controls in Dimension Vista® Vials

Our comprehensive line of liquid, multi-analyte quality controls are filled in Vista vials, ready for use on Dimension Vista® instruments. These assayed controls, with verified QC stability claims for on-board instrument storage, allow for routine quality control of Vista® assays.

Controls in Vista vials allow Dimension Vista® customers to:

- Rely on Bio-Rad controls and QC performance
- Take advantage of shared control lot numbers with existing product configurations
- Access extensive Unity™ peer group reports and comparisons
- Scan 2D barcodes to automatically set-up QC with Vista® assigned values to prevent transcription errors
- Alleviate manual pour-off tasks to minimize handling errors and reduce the cost of extra consumables
- Monitor analytes that are specific to the Dimension Vista® test menu

Siemens recommends the family of Bio-Rad Controls in Dimension Vista® vials for your Quality Control needs.
Bio-Rad Controls make using your Dimension Vista® Even More Efficient

2D barcodes are scanned from the product insert to automatically set-up QC with Dimension Vista® assigned values to prevent transcription errors.

QC vials are inserted into the vial carrier and loaded onto the instrument for automated scanning to identify the specific lot and catalog numbers.

QC vials are loaded and stored refrigerated on the Dimension Vista®, providing automated on board QC. Based on the number of analytes tested, an appropriate aliquot is taken from the vial and QC is automatically performed.

On board QC is automatically monitored and the Dimension Vista® alerts the technologist when new QC vials are required for analysis.

The Unity™ Interlaboratory Program provides easily interpreted reports and worldwide peer group comparisons essential for more reliable patient test results.
Liquid Assayed Multiqual® Control

A trilevel control for monitoring general chemistry test procedures.

- Offers more than 60 analytes
- 5 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 3 year shelf life when stored at -20°C to -50°C

### Analytes

<table>
<thead>
<tr>
<th>General Chemistry</th>
<th>Immunology</th>
<th>Therapeutic Drug Monitoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albumin</td>
<td>Alpha-1-Antitrypsin</td>
<td>Acetaminophen</td>
</tr>
<tr>
<td>Alkaline Phosphatase (ALP)</td>
<td>Apolipoprotein A-1</td>
<td>Carbamazepine</td>
</tr>
<tr>
<td>ALT/SGPT</td>
<td>Apolipoprotein B</td>
<td>Digoxin</td>
</tr>
<tr>
<td>Amylase</td>
<td>Ceruloplasmin</td>
<td>Gentamicin</td>
</tr>
<tr>
<td>AST/SGOT</td>
<td>Complement C3</td>
<td>Lithium</td>
</tr>
<tr>
<td>Bilirubin (Direct)</td>
<td>Complement C4</td>
<td>Phenobarbital</td>
</tr>
<tr>
<td>Bilirubin (Total)</td>
<td>Haptoglobin</td>
<td>Phenytoin</td>
</tr>
<tr>
<td>Calcium (Total)</td>
<td>Immunoglobulin A (IgA)</td>
<td>Salicylate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Immunoglobulin G (IgG)</td>
<td>Theophylline</td>
</tr>
<tr>
<td>Cholesterol (HDL)</td>
<td>Immunoglobulin M (IgM)</td>
<td>Tobramycin</td>
</tr>
<tr>
<td>Cholesterol (LDL)</td>
<td>Prealbumin</td>
<td>Valproic Acid</td>
</tr>
<tr>
<td>Cholesterol (Total)</td>
<td>Transferrin</td>
<td></td>
</tr>
<tr>
<td>CO₂</td>
<td></td>
<td></td>
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<tr>
<td>Creatine Kinase</td>
<td></td>
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<tr>
<td>Creatinine</td>
<td></td>
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</tr>
<tr>
<td>Ethanol</td>
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<tr>
<td>GGT</td>
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<tr>
<td>Glucose</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron (TIBC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lactate (Lactic Acid)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lactate Dehydrogenase (LDH)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lipase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein (Total)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pseudocholinesterase</td>
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<td></td>
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<tr>
<td>Sodium</td>
<td></td>
<td></td>
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<tr>
<td>Triglycerides</td>
<td></td>
<td></td>
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<tr>
<td>Urea Nitrogen</td>
<td></td>
<td></td>
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<tr>
<td>Uric Acid</td>
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<td></td>
</tr>
</tbody>
</table>

Liquichek™ Cardiac Markers Plus Control LT

A comprehensive cardiac assessment control designed to monitor precision of Troponin I at lower levels.

- Offers 7 analytes
- 10 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 3 year shelf life when stored at -20°C to -50°C

### Analytes

<table>
<thead>
<tr>
<th>Analytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CK (Total)</td>
</tr>
<tr>
<td>CK-MB Isoenzyme</td>
</tr>
<tr>
<td>CRP</td>
</tr>
<tr>
<td>Digitoxin</td>
</tr>
</tbody>
</table>

Liquichek™ Diabetes Control

A liquid, human whole blood based control to monitor the precision of Hemoglobin A1C. Available in three critical levels.

- 14 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 3 year shelf life when stored at -10°C to -50°C

### Analytes

<table>
<thead>
<tr>
<th>Hemoglobin A1C</th>
<th>Gentamicin</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lithium</td>
</tr>
<tr>
<td></td>
<td>Phenobarbital</td>
</tr>
<tr>
<td></td>
<td>Phenytoin</td>
</tr>
<tr>
<td></td>
<td>Salicylate</td>
</tr>
<tr>
<td></td>
<td>Theophylline</td>
</tr>
<tr>
<td></td>
<td>Tobramycin</td>
</tr>
<tr>
<td></td>
<td>Valproic Acid</td>
</tr>
</tbody>
</table>

Refer to the package insert of currently available lots for specific analyte and stability claims.
Liquichek™ Ethanol/Ammonia Control

Designed to monitor the precision of Ethanol and Ammonia test procedures across the clinical range.

- 20 day open-vial (punctured) stability for all analytes when stored at 2–8ºC
- 2 year shelf life when stored at 2-8ºC

### Analytes

- Ammonia
- Ethanol

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Liquichek™ Immunoassay Plus Control

An efficient solution for QC of routine Immunoassay and Therapeutic Drug Monitoring analytes.

- Offers more than 40 analytes
- 4 day open-vial (punctured) stability for all analytes when stored at 2–8ºC
- 2 year shelf life when stored at -20ºC to -50ºC

### Analytes

#### Therapeutic Drug Monitoring

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

- Salicylate
- Theophylline
- Tobraamycin
- Tricyclic Antidepressants (TCA)
- Screen
- Valproic Acid
- Vancomycin

### Immunology

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

- 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

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Liquichek™ Immunology Control

A liquid, trilevel control to monitor the precision of serum proteins and related analytes.

- Offers 31 analytes
- 5 day open-vial (punctured) stability for all analytes when stored at 2–8ºC
- 2 year shelf life when stored at -20ºC to -50ºC

### Analytes

- α1-Acid Glycoprotein
- α1-Antitrypsin
- α2-Macroglobulin
- β2-Microglobulin
- Albumin
- Antistreptolysin O (ASO)
- Apolipoprotein A-I
- 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
- Rheumatoid Factor
- Transferrin

Refer to the package insert of currently available lots for specific analyte and stability claims.
**Liquichek™ Pediatric Control**

A liquid, bilevel control to monitor the precision of analytes important to neonatal testing. Four Bilirubin parameters are available at two clinically significant levels.

- Offers 10 analytes
- 14 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 3 year shelf life when stored at -20°C to -50°C

**Analytes**

<table>
<thead>
<tr>
<th>Direct Bilirubin</th>
<th>Total Bilirubin</th>
<th>Caffeine</th>
<th>Calcium</th>
<th>Chloride</th>
<th>Glucose</th>
<th>Magnesium</th>
<th>Potassium</th>
<th>Sodium</th>
<th>Theophylline</th>
</tr>
</thead>
</table>

**Liquichek™ Spinal Fluid Control**

A liquid, bilevel control to monitor the precision of assays for proteins and other critical analytes in cerebrospinal fluid.

- Offers 8 analytes
- 30 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 2 year shelf life at 2–8°C

**Analytes**

<table>
<thead>
<tr>
<th>Albumin</th>
<th>Glucose</th>
<th>Lactate (Lactic Acid)</th>
<th>Lactate Dehydrogenase (LDH)</th>
<th>Protein (Total)</th>
<th>Sodium</th>
</tr>
</thead>
</table>

**Liquichek™ Tumor Marker Control**

A liquid, trilevel human based control designed to monitor the precision of tumor marker testing procedures.

- Offers 11 analytes, including CA 125, CA 15-3 and CA-19-9
- 10 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 2 year shelf life when stored at -20°C to -50°C.

**Analytes**

<table>
<thead>
<tr>
<th>Alphafetoprotein (AFP)</th>
<th>Ferritin</th>
<th>hCG</th>
<th>PSA (Free)</th>
<th>PSA (Total)</th>
</tr>
</thead>
</table>

**Liquichek™ Urine Chemistry Control**

A liquid, bilevel human urine based control for monitoring urine chemistry test procedures.

- Offers 13 analytes
- 30 day open-vial (punctured) stability for all analytes when stored at 2–8°C
- 2 year shelf life when stored refrigerated at 2–8°C

**Analytes**

<table>
<thead>
<tr>
<th>Amylase</th>
<th>Phosphorus</th>
<th>Potassium</th>
<th>Protein (Total)</th>
<th>Sodium</th>
<th>Urea Nitrogen</th>
</tr>
</thead>
</table>

Refer to the package insert of currently available lots for specific analyte and stability claims.
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 40,000 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™ Software Solutions

Contact your local sales representative for more information about all of our QC Data Management Solutions.

Unity Real Time®

Expert QC Data Management Solution for Desktop or Online Users

- Facilitate regulatory 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 Advisor™ module available to comply with German 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)
- Access UnityWeb® via mobile device

Want to know more? Discover the power of Unity™ Solutions at www.bio-rad.com/qc-datamangement
## Ordering Information

<table>
<thead>
<tr>
<th>Cat #</th>
<th>Product Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>337</td>
<td>Liquid Assayed Multiqual&lt;sup&gt;®&lt;/sup&gt; Control</td>
<td>12 x 2.5 mL</td>
</tr>
<tr>
<td>338</td>
<td>Liquichek™ Cardiac Markers Plus Control LT</td>
<td>6 x 2.5 mL</td>
</tr>
<tr>
<td>339</td>
<td>Liquichek™ Immunoassay Plus Control</td>
<td>12 x 2.5 mL</td>
</tr>
<tr>
<td>272</td>
<td>Liquichek™ Diabetes Control</td>
<td>6 x 2.5 mL</td>
</tr>
<tr>
<td>271</td>
<td>Liquichek™ Pediatric Control</td>
<td>6 x 2.5 mL</td>
</tr>
<tr>
<td>270</td>
<td>Liquichek™ Ethanol/Ammonia Control</td>
<td>6 x 2.5 mL</td>
</tr>
<tr>
<td>267</td>
<td>Liquichek™ Immunology Control</td>
<td>12 x 2.5 mL</td>
</tr>
<tr>
<td>268</td>
<td>Liquichek™ Pediatric Control</td>
<td>6 x 2.5 mL</td>
</tr>
<tr>
<td>269</td>
<td>Liquichek™ Spinal Fluid Control</td>
<td>6 x 2.5 mL</td>
</tr>
</tbody>
</table>

Bio-Rad Laboratories is dedicated to advancing QC solutions worldwide. They offer educational tools and resources to help improve system performance. They manage and interpret your QC data using industry-leading Unity Interlaboratory Program. They receive the backing of full-service technical and customer support trained to handle your inquiries in a prompt, knowledgeable manner. They offer a wide range of quality controls, including diabetes control, pediatric control, and urine chemistry control. They provide efficient management of QC product inserts with My eInserts. For further information, please contact the Bio-Rad office nearest you or visit our website at www.bio-rad.com/qualitycontrol.