

Quality Control Products and Services





February 2023

This edition of the Quality Control Products and Services catalog features the **full range of control families**.

It also includes the newly launched **Cardiac Advance** control as part of the Cardiac Assessment portfolio.

This comprehensive, multi-analyte control is optimized for **high sensitivity Troponin** near the limit of detection, and it is offered in multiple configurations to fit your laboratory's needs.

Find more details on **InteliQ Cardiac Advance** on page 9.

Find more details on **Liquichek Cardiac Advance** on page 28.

Support for Bio-Rad controls and software products does not end after you receive your products

These support groups are available to help you with your questions and needs

By Phone within the U.S.

1-800-854-6737
Monday – Friday
5:00 AM to 4:00 PM
Pacific Time (PT)

By Fax

1-949-598-1531

Quality Controls Technical Support

When you purchase control products from Bio-Rad, you receive the backing of a full-service Technical Support Department. Bio-Rad Technical Service Representatives are trained to handle your inquiries in a prompt, knowledgeable and professional manner.

Unity™ and EQAS™ Program Support

The QC Program Department at Bio-Rad offers you expert technical support and information for all Unity and EQAS reports. Our QC Program staff answers inquiries about the Unity Interlaboratory Program, QCNet enrollments, as well as EQAS enrollments, submission of data and cycle dates.

Software and Connectivity Support

The Software and Connectivity Support Department is dedicated to helping your laboratory get up and running with the latest QC data management and connectivity solutions from Bio-Rad. With the help of our experts, we'll make sure your laboratory is able to capture, analyze and submit QC data successfully.

For Worldwide Customers

For service outside the United States, please refer to the inside back cover for the Bio-Rad location nearest you.

Online Resources

QCNet™

Learn more about the many QC tools and resources from Bio-Rad at www.QCNet.com

Unity™ Interlaboratory Reports

- Access your monthly Unity and InstantQC Reports in just a few quick clicks

Online Resources available on QCNet

- My eInserts
- QC Articles
- QC Webinars
- Training and Education
- Technical Documents
- Value Assignment Program
- Barcode Label Generator
- eInserts XML
- Linearity Web
- FAQs
- Link to YouTube channel

EQAS™ Resources on QCNet.com

Use the **EQAS page** for quick access to program essentials

Access program information, product inserts and user documentation through www.QCNet.com. This secure website allows registered participants access to training material, customer notifications and provides the ability to submit results with EQAS Online and view or print EQAS reports.

Access Bio-Rad product literature online

For more detailed product information, visit our websites

QCNet.com—Click on the Technical Documents page for access to Quality Control literature.

Bio-Rad.com—Click on the Literature Library link on the home page to search for a specific product or product family.



Powering Exceptional Labs

Bio-Rad harnesses independent QC to take your lab to the next level, so you can stand behind your results, minimize risk and costly errors, and improve your workflow to power exceptional performance for your laboratory.

We offer high-quality materials, insightful informatics systems and renowned customer support, including staff training, lot reservation and technical expertise. We go beyond just monitoring precision to help you improve performance in your laboratory. We demand and invest in quality—because patients deserve nothing less.

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Unity™ QC Software Solutions

Your strategy for
smarter QC



With the world's largest QC peer group, Unity is the industry's leading software solution specifically designed to optimize laboratory QC practices and streamline workflows. By providing QC data in the form of real-time reports, your system will be better able to detect and correct problems before they impact patient results. Unity's robust desktop- or cloud-based interface and data management tools help improve your lab's analytical performance and attain a higher level of confidence in your test results. For a fully integrated QC system—from quality control to data analysis—choose Bio-Rad for independent QC.

Powerful, real-time data management



Provides the largest community
of QC users



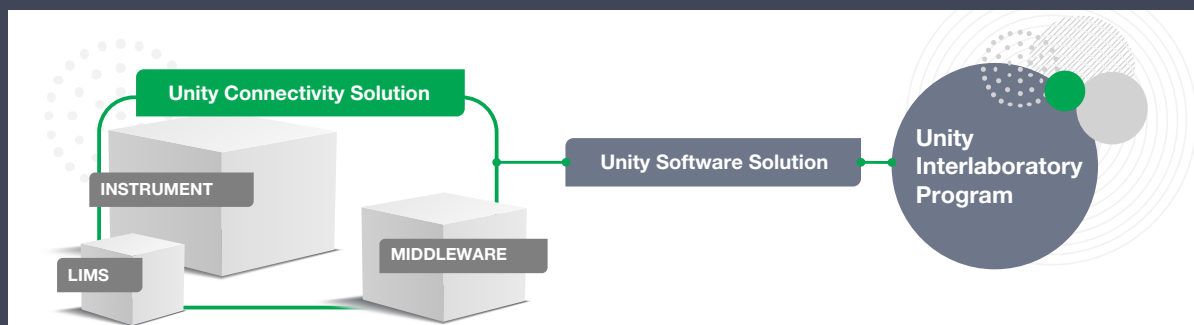
Streamlined workflow and
optimized performance



Increased confidence and
reliable patient results

Data Transfer and Connectivity Solutions

Bio-Rad offers several interoperability solutions to capture and process QC data directly from your laboratory devices or information systems. Bio-Rad connectivity solutions allow your lab to easily and automatically collate data, eliminate manual tasks, and efficiently troubleshoot problems. These solutions seamlessly connect a wide range of instruments and platforms to Bio-Rad's Unity software, helping you unlock the power of quality in your lab.



Join over 29,000 of your peers who already use the Unity Interlaboratory Program, the most robust program for clinical labs

Bio-Rad Quality Controls are part of the Unity Program with industry-leading features for benchmarking laboratory performance. Whether a lab produces five hundred or five million results a year, the lab director bears ultimate responsibility for the accuracy and timeliness of each test result.¹

A patient risk approach to QC means planning your QC based on the type or method of the test and its impact on patient outcomes when a failure is detected. As the world's leader in clinical laboratory QC, we've established the foundation to help you make the transition to patient-focused QC.

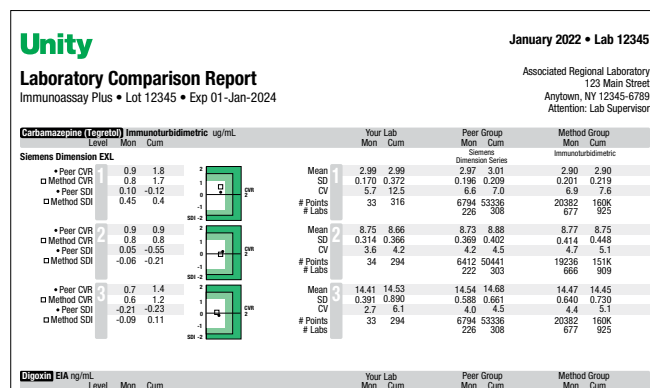
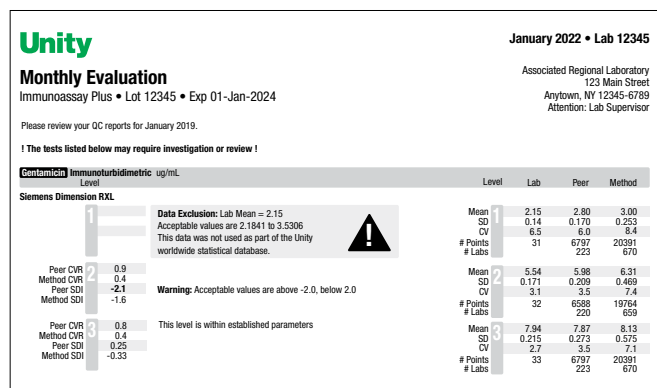
- Benefit from peer data generated from more than 50,000 instruments worldwide and 65 million monthly QC results
- Utilize real-time access to peer group comparisons to help with troubleshooting
- Consolidate your entire laboratory into one QC system

- 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
- Automate QC data from instruments, middleware and/or LIS systems with Unity connectivity

This sophisticated software includes best-in-class tools to support releasing results, benchmarking laboratory performance, and designing your QC system. Unity enables you to work smarter, making it possible to achieve optimum lab practice for your QC workflow. Reducing manual QC data management tasks with software automation frees your staff to focus on more critical tasks. Unity ultimately helps your team deliver objectives more efficiently and with greater ease.

Unity™ Interlaboratory Reports

There has never been a better time to be a member of the world's largest QC peer group program



Unity Interlaboratory Reports provide visualizations to indicate your laboratory performance. With monthly evaluation reports, receive notifications of data exclusions and identify potential issues in your QC performance. Additional reports allow you to view your trending data over the past 12 months and vital statistics are shown in a comprehensive overview compared to peer and method consensus groups.

Unity Interlaboratory Program reports feature:

- Logical arrangement of data provides a quick and intuitive read
- Data consolidation and imagery simplifies interpretation of lab data

List of Available Reports

- Monthly Evaluation
- Laboratory Performance Overview
- Laboratory Comparison Report
- Laboratory Histogram
- Bias & Imprecision Histogram
- Worldwide Report
- Statistical Profile Report
- Affiliated Laboratory Comparison Report
- Affiliated Laboratory Comparison Report: Abbreviated Summary
- Affiliated Data Exception Report
- Urinalysis Reports
- Qualitative Worldwide Report
- Blood Typing/Serum Indices Report
- Instant QC Report

Choose From Four Unity™ Solutions

Bio-Rad Laboratories offers several options for participation in the Unity Interlaboratory Program. Refer to the product comparison grid below to help determine which solution is the most appropriate for your laboratory.

	UnityWeb	Unity Real Time LT	Unity Real Time online	Unity Real Time
Type of Solution				
Web Service (Web-based)	•		•	
Desktop Software		•		•
Unity Interlaboratory Reports				
Monthly Reports	•	•	•	•
InstantQC Reports	•	•	•	•
Basic Intralaboratory Charts & Reports				
Westgard Rules	•	•	•	•
Various Charts and Reports	•	•	•	•
Additional Features				
Westgard Advisor (Subscription sold separately)	•		•	•
Bench Review with Data Review Report	•	•	•	•
Supervisor Data Review with Data Review Report			•	•
Analytical Goals			•	•
Dynamic Data Set Comparisons			•	•
Database Platform				
Bio-Rad Hosted	•		•	
Installed on Local Laboratory PC		•		•
Connectivity (Sold separately)				
WebConnect (data file upload)	•		•	
UnityConnect	•	•	•	•

Want to know more? Discover the power of Unity Solutions at www.qcnet.com/qc-data-management



Customers agree:

"The documentation of Bio-Rad Controls using the Unity QC Program has been well accepted by CAP inspectors. Worry-free QC."

— Laboratory Director,
Health Center

"To compare our data with a substantial peer group ensures that we are turning out reliable patient data."

— Laboratory Supervisor,
School of Medicine

"The reports are clean and easy to read and understand. For each test, Unity Reports for our lab show a summary of our data, our instrument group, and our method group—reports are simple."

— Clinical Chemist,
Hospital Laboratory

Unity Real Time™ LT

Entry-Level Desktop QC Data Management Solution

- Basic QC rules, charts and reports
- Configurable Levey-Jennings charts
- Upgrade easily to Unity Real Time for more advanced tools and features
- Upload QC data points from an LIS, middleware or instrument (optional)

Ordering Information

Cat #	Description
804	Installation Package. Single use
805-1	Unity Real Time LT. Annual subscription
825i	Unity Remote Installation & Training. Single use
858i	Additional Software Training Single use

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)

Ordering Information

Cat #	Description
870-1	UnityWeb. Annual subscription
825i	Unity Remote Installation & Training. Single use
858i	Additional Software Training Single use

WebConnect

A web-based connectivity solution that allows laboratories to easily upload QC data from LIS systems, middleware and/or instruments directly into Unity Real Time online or UnityWeb

- Eliminate manual keying of data
- Standard LIS QC reports can be used
- No software to install

Ordering Information

Cat #	Description
870-W1	WebConnect 2.0 Annual subscription
825i	Unity Remote Installation & Training. Single use
858i	Additional Software Training Single use

QC Lot Viewer

A cloud-based application that allows visibility into QC standing orders to help simplify order planning

- Standing QC order reports
- Shipment metric reports
- Multiple users
- Free and unlimited access

Ordering Information

Available to eligible customers. Contact sales for more information.

Available in the US only

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

Ordering Information

Cat #	Description
804	Installation Package. Single use
804-1	Unity Real Time Annual subscription
825i	Unity Remote Installation & Training. Single use
858i	Additional Software Training Single use

Unity Real Time™ online

Expert QC Data Management Solution for Online 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)

Ordering Information

Cat #	Description
804-W1	Unity Real Time online Annual subscription
825i	Unity Remote Installation & Training. Single use
858i	Additional Software Training Single use

UnityConnect

A connectivity solution that allows QC data from LIS systems, middleware and/or instruments to be quickly and easily imported into Unity software, enabling interlaboratory program comparison

- Eliminate manual keying of QC data
- Standard LIS QC reports can be used
- Automatic data import and real-time connection
- Transparent to the flow of data to the LIS
- Capture and analyze QC data economically from laboratory instruments not connected to the LIS
- Easy-to-install optional interface hardware
- Choose from soft, serial and ethernet connections

Ordering Information

Cat #	Description
820-1	UnityConnect Software Annual subscription
858i	Additional Software Training Single use

Hardware solutions available for serial and network devices. Contact your Bio-Rad sales representative for recommendation.

Bio-Rad Mission: Control™

Take the guesswork out of your QC strategy

- Determine your laboratory's Risk Management Index (RMI)
- Evaluate your test method performance based on your QC results
- Quantify the likelihood and severity of reporting incorrect patient results
- Assess how much you can lower your risk, based on instrument performance
- Create a QC Plan by confidently selecting rules and frequency that fit your risk tolerance
- Minimize your risk of reporting unreliable patient results

Ordering Information

Cat #	Description
11000002	Mission: Control Annual Subscription
11000005	Mission: Control Subscription and Service Bundle

Westgard Advisor

Automatic QC Rules Selection Engine

- Recommend and automatically apply best QC rules with patented technology
- Easy step-by-step automatic rule selection capabilities
- Reduce false rejections and desensitization to false error flags
- Save time and money by reducing unnecessary repeats and troubleshooting
- Improve laboratory test quality with optimally selected QC rules
- Available as an optional module with Unity QC data management solutions

Ordering Information

Cat #	Description
811-1	Westgard Advisor Annual subscription
825i	Unity Remote Installation & Training Single use
858i	Additional Software Training Single use

Unity™ Alert

Continuously Monitor QC Status

- Notifications of missing QC runs can help to ensure proper monitoring of instrument performance
- Notifications of new violations can be useful for troubleshooting and monitoring problem analytes
- Alert rules are easy to set up and customize for specific instruments or tests
- Receive emails remotely to stay informed of QC issues in your laboratory
- Color-coded displays help draw attention to the most urgent QC issues
- Notifications are provided even when Unity Real Time is not in use
- Available as an optional module with Unity Real Time

Ordering Information

Cat #	Description
806-1	Unity Alert Annual subscription
825i	Unity Remote Installation & Training Single use
858i	Additional Software Training Single use

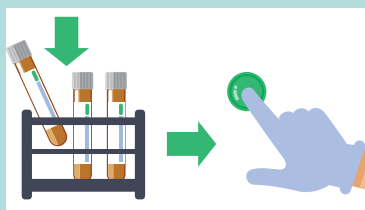
InteliQ™ Load-and-Go Quality Controls

Ready-to-use,
pre-barcoded tubes
help automate
your QC workflow

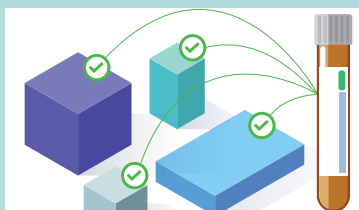


Transform your QC workflow with load-and-go efficiency and robust data management. Bio-Rad's InteliQ quality controls are the only barcoded, independent quality controls that are compatible with most major chemistry and immunoassay platforms. Because the pre-barcoded tubes are ready to load directly onto your instrument, InteliQ quality controls help automate your QC workflow—reducing turnaround time, limiting manual errors, and increasing your lab's overall efficiency. Combined with Unity data management, InteliQ provides a smarter way to manage your QC.

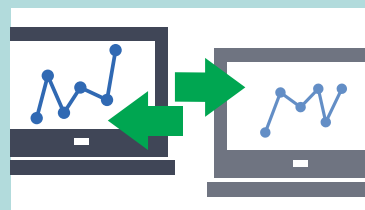
Transform your QC Workflow



Streamlined, automated workflow



Universal compatibility



Confidence in patient results

Benefits of InteliQ Quality Controls



Improve Turnaround Time

Pre-barcoded, ready-to-use quality controls reduce hands-on time and manual errors, providing faster turnaround from sample to result.



Enhance Staff Satisfaction

Automated QC set-up increases laboratory efficiency and promotes staff satisfaction.



Reduce Laboratory Waste

Eliminating pour-off steps reduces waste and saves money while open-vial storage options allow for repeated use of QC tubes.

InteliQ™ Assayed Multiquial Control



- Provides comprehensive range of 80 analytes to maximize testing efficiency for automated platforms
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 7 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 14 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12008256	Level 1 12 x 3 mL
12008257	Level 2 12 x 3 mL
12008258	Level 3 12 x 3 mL
12008259	Trilevel MiniPak (1 of each level) 3 x 3 mL

Analytes

α-1-Antitrypsin	Bilirubin (Total)	Gentamicin	Potassium
α-1-Globulin	Calcium	Glucose	Prealbumin
α-2-Globulin	Calcium (Ionized)	Haptoglobin	Protein Serum (Total)
β-Globulin	Carbamazepine	Immunoglobulin A (IgA)	Salicylate
γ-Globulin	Carbon Dioxide (CO ₂)	Immunoglobulin G (IgG)	Sodium
γ-Glutamyltransferase (GGT)	Ceruloplasmin	Immunoglobulin M (IgM)	T3 (Total)
Acetaminophen	Chloride	Iron	T3 Uptake/T Uptake
Acid Phosphatase (Total)	Cholesterol (HDL)	Iron (TIBC)	T4 (Free)
Albumin	Cholesterol (LDL)	Iron (UIBC)	T4 (Total)
Albumin-to-Globulin Ratio	Cholesterol (Total)	Lactate (Lactic Acid)	Theophylline
Alkaline Phosphatase	Cholinesterase	Lactate Dehydrogenase (LDH)	Thyroid Stimulating Hormone (TSH)
ALT/SGPT	Complement C3	LAP Arylamidase	Tobramycin
Amikacin	Complement C4	Lipase	Transferrin
Amylase	Copper	Lithium	Triglycerides
Amylase (Pancreatic)	Cortisol	Magnesium	Urea
Apolipoprotein A-I	Creatine Kinase (CK)	Osmolality	Urea Nitrogen (BUN)
Apolipoprotein B	Creatinine	Phenobarbital	Uric Acid
AST/SGOT	Digoxin	Phenytoin	Valproic Acid
Bilirubin (Direct)	Ethanol	Phospholipids	Vitamin B ₁₂
Bilirubin (Neonatal)	Ferritin	Phosphorus	Zinc

NEW Cardiac Advance

InteliQ™ Cardiac Advance Control



- Consolidated multi-analyte cardiac control optimized for high sensitivity Troponin and barcoded for load-and-go efficiency.
- Liquid, human serum based
- Optimized for high sensitivity troponin
- Level 1 Troponin values near limit of detection for most instruments. Choice of 4 levels
- 28 month shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 10 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12016484	Level 16 x 3 mL
12016485	Level 26 x 3 mL
12016486	Level 36 x 3 mL
12016487	Level 46 x 3 mL

For Liquichek Cardiac Advance Control, see page 28

Analytes

BNP	Digitoxin	Myoglobin	Troponin T
CK-MB Isoenzyme	Galectin-3	NT-proBNP	
C-Reactive protein (CRP)	Homocysteine	Troponin I	

Compatible with Siemens and Roche platforms. Abbott users should use InteliQ Cardiac Markers Plus Control LT.
Homocysteine not compatible with Siemens platforms. Siemens users should use InteliQ Homocysteine Control.

*Please refer to the package insert for platform-specific stability and performance claims.
Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

InteliQ™ Cardiac Markers Plus Control LT



- Multi-analyte control designed to monitor precision of cardiac assessment assays
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C with exceptions (refrigerated, off-board, all instruments)*
- 20 day stability at 2-8°C with exceptions (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12009955	Level 16 x 3 mL
12009958	Level 1A6 x 3 mL
12009959	Level 1B6 x 3 mL
12009960	Level 1C6 x 3 mL
12009956	Level 26 x 3 mL
12009957	Level 36 x 3 mL
12009961	Level 1 MiniPak1 x 3 mL
12009964	Level 1A MiniPak1 x 3 mL
12009965	Level 1B MiniPak1 x 3 mL
12009966	Level 1C MiniPak1 x 3 mL
12009962	Level 2 MiniPak1 x 3 mL
12009963	Level 3 MiniPak1 x 3 mL

Analytes

BNP
CK (Total)
CK-MB Isoenzyme
CRP¹
Digitoxin
Myoglobin

NT-proBNP
Troponin I²
Troponin T

¹High-sensitivity CRP available.
²High-sensitivity Troponin I available.

InteliQ™ Diabetes Control



- Trilevel HbA1c control designed to monitor the precision of test procedures associated with diabetes monitoring for Hemoglobin A1C
- Liquid, human whole blood based
- 3 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C (refrigerated, off-board, all instruments)*
- 45 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12008309	Level 16 x 2 mL
12008310	Level 26 x 2 mL
12008311	Level 36 x 2 mL
12008312	Trilevel MiniPak (1 of each level)3 x 2 mL

Analyte

Hemoglobin A1C

InteliQ™ Ethanol/Ammonia Control



- Normal, elevated and toxic concentrations of Ethanol and Ammonia to monitor precision across the clinical range
- 2 year shelf life at 2-8°C
- Ammonia:
 - 4 day stability at 2-8°C (refrigerated, off-board, all instruments)*
 - 13 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)
- Ethanol:
 - 3 day stability at 2-8°C (refrigerated, off-board, all instruments)*
 - 3 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12008299	Level 16 x 2 mL
12008300	Level 26 x 2 mL
12008301	Level 36 x 2 mL
12008302	Trilevel MiniPak (1 of each level)3 x 2 mL

Analytes

Ammonia
Ethanol

*Please refer to the package insert for platform-specific stability and performance claims.
Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

InteliQ™ Homocysteine Control



- Monitors precision of Homocysteine assays
- Liquid, human serum based
- 30 day stability at 2-8°C (on-board Siemens Atellica Solution instrument)
- 5 day open-vial stability at 2-8°C (refrigerated, off-board, all instruments)*

Ordering Information

Cat #	Description
12004309	Level 16 x 1 mL
12004310	Level 26 x 1 mL
12004311	Level 36 x 1 mL
12004312	Trilevel MiniPak (1 of each level)3 x 1 mL

Analyte

Homocysteine

InteliQ™ Immunoassay Plus Control



- Offers a wide range of popular immunoassay analytes
- Provides an efficient solution for laboratories that focus on routine testing
- Liquid human serum based
- 28 month shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 14 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12009948	Level 112 x 4 mL
12009949	Level 212 x 4 mL
12009950	Level 312 x 4 mL
12009951	Trilevel MiniPak (1 of each level)3 x 4 mL

Analytes

Acetaminophen	Ferritin	Luteinizing Hormone (LH)	T3 (Total)
AFP	Folate	N-Acetyl Procainamide (NAPA)	T3 Uptake/T Uptake
Amikacin	FSH	Phenobarbital	T4 (Free)
Androstenedione	Gentamicin	Phenytoin	T4 (Total)
Caffeine	hCG	Primidone	Testosterone
Carbamazepine	hGH	Procainamide	Theophylline
CEA	Immunoglobulin A (IgA)	Progesterone	Thyroid Stimulating Hormone (TSH)
CK-MB Isoenzyme	Immunoglobulin E (IgE)	Prolactin	Thyroxine Binding Globulin (TBG)
Cortisol	Immunoglobulin G (IgG)	PSA (Free)	Tobramycin
Dehydroepiandrosterone-Sulfate (DHEA-Sulfate)	Immunoglobulin M (IgM)	PSA (Total)	Tricyclic Antidepressants (TCA)
Digoxin	Insulin	Quinidine	Valproic Acid
Estradiol	Iron	Salicylate	Vancomycin
Estril (Free)	Lidocaine	SHBG	Vitamin B ₁₂
	Lithium	T3 (Free)	

InteliQ™ Immunology Control



- Comprehensive menu of serum proteins and analytes, including Rheumatoid Factor
- Liquid human serum based
- 2 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12009941	Level 16 x 3 mL
12009942	Level 26 x 3 mL
12009943	Level 36 x 3 mL
12009944	Trilevel MiniPak (1 of each level)3 x 3 mL

Analytes

α-1-Acid Glycoprotein (AAG)	Antithrombin III	Ferritin	Lipoprotein (a)
α-1-Antitrypsin (AAT)	Apolipoprotein A-1	Haptoglobin	Prealbumin
α-2-Macroglobulin	Apolipoprotein B	Immunoglobulin A (IgA)	Properdin Factor B
β-2-Microglobulin	C1 Inhibitor	Immunoglobulin E (IgE)	Protein Serum (Total)
ADNase B	Ceruloplasmin	Immunoglobulin G (IgG)	Retinol Binding Protein (RBP)
Albumin	Complement C3	Immunoglobulin G Subclasses 1-4	Rheumatoid Factor
Antistreptolysin O (ASO)	Complement C4	Immunoglobulin M (IgM)	Transferrin
Anti-Cyclic Citrullinated Peptide (Anti-CCP)	C-Reactive Protein (CRP)	Kappa Light Chain	
	Cystatin C ¹	Lambda Light Chain	

¹Endogenous levels only.

*Please refer to the package insert for platform-specific stability and performance claims. Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

InteliQ™ Specialty Immunoassay Control



- Multi-analyte control for monitoring the precision of specialty immunoassay testing
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12008276	Level LTA 6 x 4 mL
12008277	Level 1 6 x 4 mL
12008278	Level 2 6 x 4 mL
12008279	Level 3 6 x 4 mL
12008280	Four Level MiniPak (1 of each level) 4 x 4 mL

Analytes

25-Hydroxy Vitamin D
Anti-Thyroglobulin (Anti-Tg)
Anti-Thyroperoxidase (Anti-TPO)
C-Peptide

Erythropoietin (EPO)
Insulin Growth Factor I (IGF-I)/Serratomedin C
Intact PTH
Osteocalcin

InteliQ™ Tumor Marker Control



- Comprehensive, assayed, multi-analyte control
- Monitors precision of immunoassay-based oncology testing procedures
- Liquid, human serum based
- 28 month shelf life at -20°C to -70°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12008289	Level 1 6 x 2 mL
12008290	Level 2 6 x 2 mL
12008291	Level 3 6 x 2 mL
12008292	Trilevel MiniPak (1 of each level) 3 x 2 mL

Analytes

α-Fetoprotein (AFP)
β-2-Microglobulin
CA 15-3
CA 19-9
CA 27.29
CA 72-4**

CA 125
Carcinoembryonic Antigen (CEA)
Cyfra 21-1**
Ferritin
hCG
HE4

HER-2/neu
Insulin Growth Factor I (IGF-I)
PAP
ProGRP**
Prolactin
PSA (Free)

PSA (Total)
SCC**
Thyroglobulin (Tg)

**International Use Only

InteliQ™ Urine Chemistry Control



- Liquid, bilevel human urine based control
- Ideal for monitoring urine chemistry test procedures.
- Offers 19 analytes
- 2 year shelf life at 2-8°C
- 10 day stability at 2-8°C for most analytes (refrigerated, off-board, all instruments)*
- 30 day stability at 2-8°C for most analytes (on-board Siemens Atellica Solution instrument)

Ordering Information

Cat #	Description
12009995	Level 1 12 x 3 mL
12009996	Level 2 12 x 3 mL
12009997	Bilevel Minipak (1 of each level) 2 x 3 mL

Analytes

Amylase
Calcium
Chloride
Cortisol
Creatinine

Glucose
Magnesium
Microalbumin
Osmolality
pH

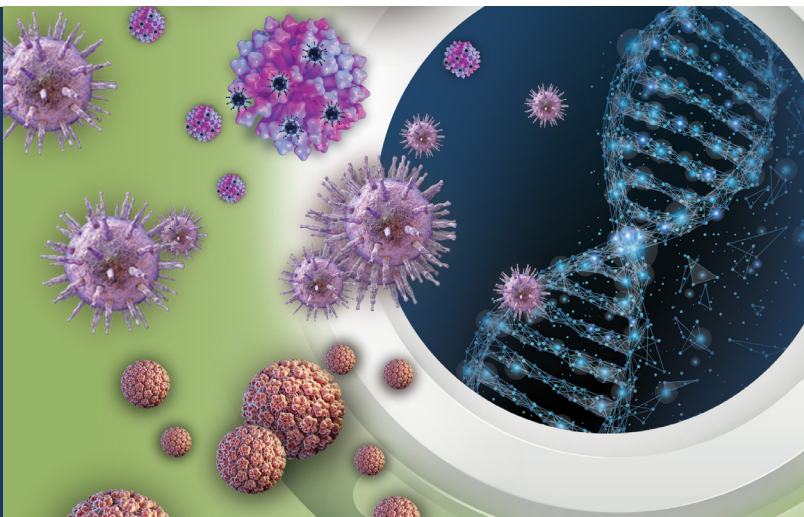
Phosphorus
Potassium
Pregnancy/hCG (Qualitative)
Protein (Total)
Sodium

Specific Gravity
Urea
Urea Nitrogen (BUN)
Uric Acid

*Please refer to the package insert for platform-specific stability and performance claims.
Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Molecular Quality Controls and Standards

Setting a new standard in lab performance. Together.



With our expertise designing molecular standards and quality controls, and the power of data management, we are helping you to advance the field of molecular diagnostics by driving quality and care.



Comprehensive portfolio of molecular diagnostic standards and controls

The Exact Diagnostics line of molecular standards and controls provide high-quality QC solutions for key diagnostic areas. These products feature unsurpassed quality, characterization, and consistency for which Bio-Rad is known. Our growing portfolio includes innovation in blood screening, syndromic panels and other molecular applications. Our key diagnostic areas include:

Transplantation

Virology

Sexually Transmitted Infections

Microbiology

Hospital Associated Infections

Respiratory

Tick-borne Diseases

Exact Diagnostics Quality Controls and Standards for Infectious Diseases



Traceable to international standards where applicable



Commutability with high-quality matrix



Lot-to-lot reproducibility and consistency with standards manufactured under ISO 17511



Absolute quantification with digital droplet PCR



Monitor and compare results with peer groups using integrated Unity data management software

Ensuring Reliable Patient Results

Transplantation

Exact Diagnostics Adenovirus



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

ADVP100 . . . 200 cp/mL-2,000,000 cp/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

ADVP100	Verification Panel	5 x 1.0 mL
ADVL101	Low Run Control	5 x 1.0 mL
ADVH102	High Run Control	5 x 1.0 mL

Analyte

Inactivated Adenovirus

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Exact Diagnostics BKV



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for BK Virus
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

BKVP100 . . . 200 IU/mL-2,000,000 IU/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

BKVP100	Verification Panel	6 x 1.0 mL
BKVL101	Low Run Control	5 x 1.0 mL
BKVH102	High Run Control	5 x 1.0 mL

IVD

BKVP200	Verification Panel	6 x 1.4 mL
BKVB201	Verification Bundle	
	BKVP200 Verification Panel	4 Kits
	1E3IU/mL Precision	2 Kits (18 vials)
	5E5IU/mL Precision	2 Kits (18 vials)
	BKV LOD	2 Kits (20 vials)
	BKV Urine LOD	2 Kits (20 vials)

Analyte

Inactivated BKV

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Exact Diagnostics Parvovirus B19



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 3rd WHO International Standard for Parvovirus B19 (12/208)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

B19P100 . . . 500 IU/mL-5,000,000 IU/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

B19P100	Verification Panel	5 x 1.0 mL
B19L101	Low Run Control	5 x 1.0 mL
B19H102	High Run Control	5 x 1.0 mL

Analyte

Inactivated Parvovirus B19

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Transplantation

Exact Diagnostics CMV



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for Cytomegalovirus (09/162)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Ranges

CMVP100 . . . 400 IU/mL-4,000,000 IU/mL

CMVP200 . . . 200 IU/mL-4,000,000 IU/mL

Complementary product:

See page 21 for Negative Run Control
(Cat # NEG000/NEG050)

Ordering Information

Catalog # Description

IVD, CE-IVD

CMVL101 Low Run Control 5 x 1.0 mL

CMVH102 High Run Control 5 x 1.0 mL

IVD

CMVP100 Verification Panel 5 x 1.0 mL

CMVP200 Verification Panel 6 x 1.4 mL

CMVB200 Verification Bundle

CMVP200 Verification Panel 4 Kits

1E3 IU/mL Precision 2 Kits (18 Vials)

5E5 IU/mL Precision 2 Kits (18 Vials)

CMV LOD 2 Kits (20 Vials)

Analyte

Inactivated CMV

Exact Diagnostics EBV



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for Epstein-Barr virus (09/260)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

EBVP100 . . . 500 IU/mL-5,000,000 IU/mL

Complementary product:

See page 21 for Negative Run Control
(Cat # NEG000/NEG050)

Ordering Information

Catalog # Description

IVD, CE-IVD

EBVP100 Verification Panel 5 x 1.0 mL

EBVL101 Low Run Control 5 x 1.0 mL

EBVH102 High Run Control 5 x 1.0 mL

IVD

EBVP200 Verification Panel 7 x 1.4 mL

EBVB200 Verification Bundle (4 of EBVP200)

1E3IU/mL Precision 2 Kits (18 Vials)

5E5IU/mL Precision 2 Kits (18 Vials)

EBV LOD 2 Kits (20 Vials)

Analyte

Inactivated EBV

Transplantation

Exact Diagnostics HHV-6



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- Calibrated against the 1st WHO International Standard for HHV-6B (15/266)
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Ranges

HV6AP100 . . . 500 cp/mL-5,000,000 cp/mL

HV6BP100 . . . 500 cp/mL-5,000,000 cp/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

HV6AP100 HHV-6A Verification Panel 5 x 1.0 mL

HV6BP100 HHV-6B Verification Panel 5 x 1.0 mL

HV6L101 Low Run Control 5 x 1.0 mL

HV6H102 High Run Control 5 x 1.0 mL

Analytes

Inactivated HHV-6A

Inactivated HHV-6B

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Exact Diagnostics JCV



- Calibrated against the 1st WHO International Standard for JC Virus (14/114)
- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

JCVF100 . . . 200 IU/mL-20,000,000 IU/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

JCVF100 Verification Panel 6 x 1.0 mL

JCVL101 Low Run Control 5 x 1.0 mL

JCVH102 High Run Control 5 x 1.0 mL

Analytes

Inactivated JCV

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Virology

Exact Diagnostics Analytical Measurement Range Bundle



- HBV: Calibrated against the 3rd WHO International Standard for Hepatitis B (10/264)
- HCV: Calibrated against the 4th WHO International Standard for Hepatitis C (06/102)
- HIV: Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Manufacturing targets established using ddPCR
- True EDTA plasma matrix

Ordering Information

Catalog # Description

IVD

AMRP100 HBVAMR, HCVAMR, HIVAMR panels 1 each

Analytes

Inactivated HBV

Recombinant HCV

Inactivated HIV-1

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Virology

Exact Diagnostics HIV



- A family of unassayed external controls, verification panels and verification panel bundles used in the determination of values in the measurement of HIV-1 and HIV-2 RNA
- Verification Panel offers a wide dynamic range
- Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Calibrated against the 2nd WHO International Standard for HIV-2 (16/296)
- Calibrated with digital droplet PCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA Plasma
- 3 year shelf life from date of manufacture
- Run controls stable for 5 days when stored at 2-8°C
- Controls can be frozen and reused a maximum of two (2) times

Dynamic Ranges

HIVP100 100 cp/mL-6,000,000 cp/mL

HIVP200 100 cp/mL-6,000,000 cp/mL

Complementary product:

See page 21 for Negative Run Control
(Cat # NEG000/NEG050)

Ordering Information

Catalog # Description

IVD, CE-IVD

HIVL101 HIV-1 Low Run Control 5 x 1.0 mL

HIVH102 HIV-1 High Run Control 5 x 1.0 mL

IVD

HIVP100 Verification Panel 7 x 1.0 mL

HIVP200 HIV-1 Verification Panel 7 x 1.4 mL

HIVB200 HIV-1 Verification Bundle (4 of HIVP200)

1E3 cp/mL Precision 2 Kits (18 Vials)

1E5 cp/mL Precision 2 Kits (18 Vials)

HIV-1 LOD 2 Kits (20 Vials)

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

HIVQP200 HIV-1/HIV-2 Verification Panel 12 x 1.4 mL

HIVQB200 HIV-1/HIV-2 Verification Bundle 12 x 1.4 mL

Analyte

Inactivated HIV-1

Inactivated HIV-2

Exact Diagnostics HIV-1 Analytical Measurement Range Panel



- Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Manufacturing targets established using ddPCR
- AMR Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Ordering Information

Catalog # Description

IVD

HIVAMR Panels 3 x 1.0 mL

Analytes

Inactivated HIV-1

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Exact Diagnostics HBV Analytical Measurement Range Panel



- Calibrated against the 3rd WHO International Standard for Hepatitis B (10/264)
- Manufacturing targets established using ddPCR
- AMR Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Ordering Information

Catalog # Description

IVD

HBVAMR Panels 3 x 1.0 mL

Analytes

Inactivated HBV

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Virology

Exact Diagnostics HCV Analytical Measurement Range Panel



- Calibrated against the 4th WHO International Standard for Hepatitis C (06/102)
- Manufacturing targets established using ddPCR
- AMR Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Ordering Information

Catalog # Description

IVD

HCVAMR Panels 3 x 1.0 mL

Analytes

Recombinant HCV

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Sexually Transmitted Infections

NEW | Exact Diagnostics CT/NG



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- Run Control has 30 day open vial stability when stored at 2-8°C
- Barcoded vials compatible with automated platforms

Complementary product:

See page 21 for STI Negative Run Control (Cat # NEGSTI)

Ordering Information

Catalog # Description

IVD

CTNGPOS CT/NG Positive Run Control 6 x 1.1 mL

CTNGP200 CT/NG Verification Panel 1 Kit

CT LOD 3X, 5X, 10X LOD

NG LOD 3X, 5X, 10X LOD

CT/NG LOD 3X, 5X, 10X LOD

CTNGB200 CT/NG Verification Bundle 5 Kits of CTNGP200

Analytes

Chlamydia trachomatis (CT)

Neisseria gonorrhoeae (NG)

Exact Diagnostics HBV



- Calibrated against the 3rd WHO International Standard for Hepatitis B (10/264)
- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- Run controls stable for 5 days when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Ranges

HBVP100 . . . 100 IU/mL-100,000,000 IU/mL

HBVP200 . . . 100 IU/mL-100,000,000 IU/mL

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Ordering Information

Catalog # Description

IVD, CE-IVD

HBVL101 Low Run Control 5 x 1.0 mL

HBVH102 High Run Control 5 x 1.0 mL

IVD

HBVP100 Verification Panel 7 x 1.0 mL

HBVP200 Verification Panel 7 x 1.4 mL

HBVB200 Verification Panels Bundle (4 of HBVP200)

1E3 IU/mL Precision 2 Kits (18 vials)

1E6 IU/mL Precision 2 Kits (18 vials)

HBV LOD 2 Kits (20 Vials)

Analytes

Inactivated HBV

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Sexually Transmitted Infections

Exact Diagnostics HCV



- Calibrated against the 4th WHO International Standard for Hepatitis C (06/102)
- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- Run controls stable for 5 days when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Ranges

HCVP100 . . . 100 IU/mL-30,000,000 IU/mL
 HCVP200 . . . 100 IU/mL-30,000,000 IU/mL

Complementary product:

See page 21 for Negative Run Control
 (Cat # NEG000/NEG050)

Ordering Information

Catalog # Description

IVD, CE-IVD

HCVL101 Low Run Control 5 x 1.0 mL
 HCVH102 High Run Control 5 x 1.0 mL

IVD

HCVP100 Verification Panel 7 x 1.0 mL
 HCVP200 Verification Panel 7 x 1.4 mL
 HCVB200 Verification Panels Bundle (4 of HCVP200)
 1E3IU/mL Precision 2 Kits (18 Vials)
 1E6IU/mL Precision 2 Kits (18 Vials)
 HCV LOD 2 Kits (20 Vials)

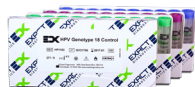
FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

HCVGTP Genotype Panel 6 x 1.0 mL
 (HCVGT 1a, HCVGT 1b, HCVGT 2, HCVGT 3, HCVGT 4, HCVGT 5)

Analytes

Recombinant HCV

Exact Diagnostics HPV



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Formulated in PreservCyt
- 3 year shelf life from date of manufacture
- Controls stable for 10 days when stored at room temperature

Ordering Information

Catalog # Description

IVD, CE-IVD

HPV16C HPV Genotype 16 Control 10 x 5.0 mL
 HPV18C HPV Genotype 18 Control 10 x 5.0 mL
 HPV68C HPV Genotype 68 Control 10 x 5.0 mL
 HPVNEG HPV Negative Control 10 x 5.0 mL
 HPVP100 HPV Control Set 40 x 5.0 mL
 1 kit each of HPV16C, HPV18C, HPV68C & HPVNEG

IVD

HPVP200 HPV Verification Panel 1 Kit
 – HPV 16 LOD 3X, 5X, 10X LOD
 – HPV 18 LOD 3X, 5X, 10X LOD
 – HPV 16/18/68 LOD 3X, 5X, 10X LOD
 – HPV Negative Control 5 Kits (16 x 1.4 mL)
 HPVB200 HPV Verification Bundle 5 Kits of HPVP200

Analytes

Human Papillomavirus (HPV) Genotype 16
 Human Papillomavirus (HPV) Genotype 18

Human Papillomavirus (HPV) Genotype 68
 Human Cell Line

Sexually Transmitted Infections

Exact Diagnostics HSV-1



- Verification Panel offers a wide dynamic range
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic CSF matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

HSV1P100 ... 200 cp/mL-2,000,000 cp/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

HSV1P100	Verification Panel	5 x 1.0 mL
HSV1L101	Low Run Control	5 x 1.0 mL
HSV1H102	High Run Control	5 x 1.0 mL
HSVB200	Verification Bundle	5 kits
– HSV-1 LOD		3x, 5x, 10x LOD
– HSV-2 LOD		3x, 5x, 10x LOD
– HSV-1/HSV-2 LOD		3x, 5x, 10x LOD

Analyte

Inactivated HSV-1

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics HSV-2



- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic CSF matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

HSV2P100 ... 200 cp/mL-2,000,000 cp/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

HSV2P100	Verification Panel	5 x 1.0 mL
HSV2L101	Low Run Control	5 x 1.0 mL
HSV2H102	High Run Control	5 x 1.0 mL
HSVB200	Verification Bundle	5 kits
HSV-1 LOD		3x, 5x, 10x LOD
HSV-2 LOD		3x, 5x, 10x LOD
HSV-1/HSV-2 LOD		3x, 5x, 10x LOD

Analyte

Inactivated HSV-2

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics TV/MG



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Ordering Information

Catalog # Description

IVD, CE-IVD

TVMGP200	TV/MG Verification Panel	1 Kit
TV LOD		3X, 5X, 10X, LOD
MG LOD		3X, 5X, 10X, LOD
TVMGB200	TV/MG Verification Bundle	5 Kits of TVMGP200

Analytes

Trichomonas vaginalis

Mycoplasma genitalium

Negative Controls

NEW | Exact Diagnostics STI Negative Run Control



- Screened negative for 2 molecular targets
- High quality synthetic matrix to ensure lot-to-lot reproducibility
- 18 month shelf life from date of manufacture when stored at 2-8°C
- 30 day open vial stability when stored at 2-8°C
- Barcoded vials compatible with automated platforms

Ordering Information

Catalog # Description

IVD

NEGSTI STI Negative Run Control 6 x 1.1 mL

Analytes

Non-reactive for:

Chlamydia trachomatis (CT)
Neisseria gonorrhoeae (NG)

NEW | Exact Diagnostics Synthetic Negative Run Control



- Screened negative for 9 molecular targets
- High quality synthetic matrix to ensure lot-to-lot reproducibility
- 2 year shelf life from date of manufacture when stored at -20°C or below
- 5 day stability when stored at 2-8°C
- Control can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

NEGSYN Synthetic Negative Run Control 5 x 1.0 mL

Analytes

Non-reactive for:

<i>Anaplasma phagocytophilum</i>	Enterovirus (EV) Coxsackievirus A9
<i>Babesia microti</i>	Herpes Simplex Virus-1 (HSV-1)
<i>Bartonella quintana</i>	Herpes Simplex Virus-2 (HSV-2)
<i>Borrelia burgdorferi</i>	Varicella Zoster Virus (VZV)
<i>Ehrlichia chaffeensis</i>	

NEW | Exact Diagnostics HAI Negative Run Control



- Screened negative for 3 molecular targets
- High quality synthetic matrix to ensure lot-to-lot reproducibility
- 2 year shelf life from date of manufacture when stored at -20°C or below
- 5 day stability when stored at 2-8°C
- Control can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

NEGHA1 HAI Negative Run Control 5 x 1.0 mL

Analytes

Non-reactive for:

Clostridium difficile (*C. difficile*)
Methicillin-resistant *Staphylococcus aureus* (MRSA)
Methicillin-susceptible *Staphylococcus aureus* (MSSA)

Exact Diagnostics Negative Control



- Screened negative for 16 molecular targets
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 3 year shelf life from date of manufacture
- 5 day stability when stored at 2-8°C
- Control can be frozen and reused a maximum of four (4) times



Ordering Information

Catalog # Description

IVD, CE-IVD

NEG000 Negative Control 5 x 1.0 mL

NEG050 Bulk Negative Control 1 x 50.0 mL

Analytes

Non-reactive for:

Adenovirus DNA	HIV-1/2 Antibodies
BKV DNA	HIV-1 RNA
CMV DNA	HSV-1 DNA
EBV DNA	HSV-2 DNA
HBsAg	JC Virus DNA
HBV DNA	VZV DNA
HCV Antibodies	Zika Virus RNA
HCV RNA	
HHV-6 DNA	

Refer to myInserTs.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Blood Screening

Exact Diagnostics HBV, HCV and HIV-1 Screen Controls



- Calibrated against the 3rd WHO International Standard for HBV (10/264)
- Calibrated against the 4th WHO International Standard for HCV (06/102)
- Calibrated against the 3rd WHO International Standard for HIV-1 (10/152)
- Citrate plasma matrix
- 18 month shelf life when stored at -20°C
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

CE-IVD (AVAILABLE OUTSIDE THE UNITED STATES ONLY)

HBVSCREEN HBV DNA Screen Control	10 x 1.4 mL
HCVSCREEN HCV RNA Screen Control	10 x 1.4 mL
HIVSCREEN HIV-1 RNA Screen Control.	10 x 1.4 mL
VIRSCREEN HIV-1, HCV, HBV Screen Control.	10 x 1.4 mL

Analytes

Inactivated HBV
Inactivated HCV
Inactivated HIV-1

Meningitis and Encephalitis

Exact Diagnostics VZV



- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic CSF matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range
VZVP100 . . . 500cp/mL-2,000,000cp/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

VZVP100 Verification Panel	5 x 1.0 mL
VZVL101 Low Run Control	5 x 1.0 mL
VZVH102 High Run Control	5 x 1.0 mL

Analyte

Inactivated Varicella Zoster Virus (VZV)

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics Enterovirus Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 2 year shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

EVRC Control.	5 x 1.0 mL
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Analyte

Inactivated Coxsackievirus A9

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Hospital Associated Infections

Exact Diagnostics *C. difficile* Verification Bundle



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Complementary product:
See page 21 for HAI Negative Run Control
(Cat # NEGHA1)

Ordering Information

Catalog # Description

IVD, CE-IVD

CDFP200 Verification Panel 1 Kit
C. difficile LOD.3X, 5X, 10X LOD
CDFB200 Verification Bundle. 5 Kits of CDFP200

Analytes

Inactivated *C. difficile*

Exact Diagnostics MRSA Verification Bundle



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Complementary product:
See page 21 for HAI Negative Run Control
(Cat # NEGHA1)

Ordering Information

Catalog # Description

IVD, CE-IVD

MRSAP200 Verification Panel. 1 Kit
MRSA LOD.3X, 5X, 10X LOD
MSSA LOD.3X, 5X, 10X LOD
MRSAB200 Verification Bundle. 5 Kits of MRSAP200

Analytes

Inactivated Methicillin-resistant *Staphylococcus aureus* (MRSA)
Inactivated Methicillin-susceptible *Staphylococcus aureus* (MSSA)

Amplichek II



- Liquid, multi-analyte quality control designed to monitor the performance of *in vitro* nucleic acid test systems for Healthcare Associated Infections (HAI)
- Use with multiple specimen types and sampling tools including swabs and transfer pipets
- Convenient single use configuration to minimize contamination
- Contains intact, inactivated bacteria to monitor the full NAT process from extraction to amplification and detection
- Negative, Levels 1 and 2 are suitable for Cepheid Xpert assays
- 2 year shelf life at 2-8°C

Contact your local Bio-Rad office for additional assay compatibility and Level selection information.

Ordering Information

Catalog # Description

IVD, CE-IVD

12000201 Negative 10 x 0.2 mL
12000202 Level 1 10 x 0.2 mL
12000203 Level 2 10 x 0.2 mL
12000204 Level 3 10 x 0.2 mL

12000575 Negative MiniPak 1 x 0.2 mL
12000576 Level 1 MiniPak 1 x 0.2 mL
12000577 Level 2 MiniPak 1 x 0.2 mL
12000578 Level 3 MiniPak 1 x 0.2 mL

Analytes

Clostridium difficile (*C. diff.*)
Methicillin-resistant *Staphylococcus aureus* (MRSA)
Methicillin-sensitive *Staphylococcus aureus* (MSSA)
Vancomycin-resistant *enterococci* (VRE or vanR)

Product Level Selection by Analyte

- Reactive
- Non-reactive

Analytes

Clostridium difficile (*C. diff.*) genes: Toxin B, Binary Toxin, TcdC

Methicillin-Resistant *Staphylococcus aureus* (MRSA) genes: SPA, SCCmec, mecA

Methicillin-Sensitive *Staphylococcus aureus* (MSSA) gene: SPA

Vancomycin-Resistant *enterococci* (VRE or vanR) genes: vanA, vanB**

Level	Negative* (Non-reactive)	Level 1 (MSSA)	Level 2 (Low Positive)	Level 3 (High Positive)
<i>Clostridium difficile</i> (<i>C. diff.</i>)	●	●	●	●
Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)	●	●	●	●
Methicillin-Sensitive <i>Staphylococcus aureus</i> (MSSA)	●	●		
Vancomycin-Resistant <i>enterococci</i> (VRE or vanR)	●	●	●	●

*Contains Methicillin Sensitive *Staphylococcus epidermidis* (MSE).

**Not available in the USA.

Refer to myInserpts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Respiratory

Exact Diagnostics RP Positive & Negative Run Controls



- 23 Analyte respiratory control
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture

Ordering Information

Catalog # Description

IVD, CE-IVD

RPPOS	Positive	6 x 0.3 mL
RPNEG	Negative	6 x 0.3 mL

Analytes

Adenovirus	Coronavirus OC43	<i>Mycoplasma pneumoniae</i>	Rhinovirus
<i>Bordetella parapertussis</i>	Human metapneumovirus (RNA IVT)	Middle Eastern Respiratory Syndrome (RNA IVT)	Respiratory Syncytial Virus (A)
<i>Bordetella pertussis</i>	Influenza A H1N1	Parainfluenza 1	Respiratory Syncytial Virus (B)
<i>Chlamydomonas pneumoniae</i>	Influenza A H1N1-09 (RNA IVT)	Parainfluenza 2	Severe Acute Respiratory Syndrome
Coronavirus 229E	Influenza A H3N2 (RNA IVT)	Parainfluenza 3	Coronavirus 2
Coronavirus HKU1 (RNA IVT)	Influenza B	Parainfluenza 4	
Coronavirus NL63 (RNA IVT)			

Exact Diagnostics SARS-CoV-2, Flu, RSV Run Controls



- Whole organism SARS-CoV-2, Influenza A, Influenza B, Respiratory Syncytial Virus (A)
- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic matrix, including human genomic DNA (gDNA)
- 24 month shelf life from date of manufacture
- Controls can be frozen and reused a maximum of five (5) times

Ordering Information

Catalog # Description

IVD, CE-IVD

COVFLU	Positive	5 x 1.0 mL
COVFLUNEG	Negative	5 x 1.0 mL

Targets

Whole Organism

SARS-CoV-2
Influenza A-H1N1
Influenza B
Respiratory Syncytial Virus (A)

Exact Diagnostics SARS-CoV-2 Standard and Run Controls



- Contains E, N, ORF1ab, RdRP and S genes
- Quantitation with ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic matrix, including human genomic DNA (gDNA)
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C

Quantitation

COV019	200,000 cp/mL
COV000	75,000 cp/mL

Ordering Information

Catalog # Description

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

COV019	Standard	5 x 0.3 mL
COV000	Negative	5 x 0.3 mL

CE-IVD. AVAILABLE OUTSIDE THE US ONLY.

COV019CE	Positive Run Control	5 x 0.3 mL
COV000CE	Negative Run Control	5 x 0.3 mL

Targets

SARS-CoV-2 Genes

Envelope (E) Gene	RdRP (RNA-dependent RNA polymerase) Gene
Nucleocapsid (N) Gene	Spike Protein (S) Gene
ORF1ab Gene	

Respiratory

Exact Diagnostics SARS-CoV-2 S Gene Variant Controls



- Quantitation with ddPCR
- Human genomic DNA (gDNA) background
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic matrix, including human genomic DNA (gDNA)
- 18 month shelf life from date of manufacture when stored at -20°C
- 12 month shelf life when stored at 2-8°C
- 7 day open-vial stability when stored at 2-8°C

Ordering Information

Catalog # Description

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

COVA	Alpha Variant Control	1 x 0.25 mL
COVB	Beta Variant Control.	1 x 0.25 mL
COVDK	Delta-Kappa Variant Control	1 x 0.25 mL
COVE	Epsilon Variant Control	1 x 0.25 mL
COVG	Gamma Variant Control	1 x 0.25 mL

Targets

Synthetic RNA Transcripts

Alpha Variant (B.1.1.7)	Delta-Kappa Variants
Beta Variant (B.1.351)	(B.1.617.1, B.1.617.2 and
Epsilon Variant (B.1.427, B.1.429)	AY sublineages, B.1.617.3)
Gamma Variant (P.1)	

Complementary product:

See page 24 for SARS-CoV-2, Negative (Cat # COV000)

Vector Borne

Exact Diagnostics Anaplasma Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

ANARC	Anaplasma Control	5 x 1.0 mL
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Analytes

Anaplasma phagocytophilum

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics Babesia Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

BABRC	Babesia Control	5 x 1.0 mL
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Analytes

Babesia microti

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Vector Borne

Exact Diagnostics Bartonella Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

BRTRC Bartonella Control 5 x 1.0 mL

Analytes

Bartonella quintana

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics Borrelia Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

BORRC Borrelia Control 5 x 1.0 mL

Analytes

Borrelia burgdorferi

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics Ehrlichia Run Control



- Manufacturing targets established using ddPCR
- High quality matrix to ensure lot-to-lot reproducibility
- Synthetic Matrix
- 18 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Ordering Information

Catalog # Description

IVD, CE-IVD

ERLRC Ehrlichia Control 5 x 1.0 mL

Analytes

Ehrlichia chaffeensis

Complementary product:

See page 21 for Synthetic Negative Run Control (Cat # NEGSYN)

Exact Diagnostics ZKV



- Manufacturing targets established using ddPCR
- Verification Panel offers a wide dynamic range
- High quality matrix to ensure lot-to-lot reproducibility
- True EDTA plasma matrix
- 36 month shelf life from date of manufacture
- 24 hour stability when stored at 2-8°C
- Controls can be frozen and reused a maximum of four (4) times

Dynamic Range

ZKVP100. . . 100 cp/mL-1,000,000 cp/mL

Ordering Information

Catalog # Description

IVD, CE-IVD

ZKVP100 Verification Panel 5 x 1.0 mL

ZKVL101 Low Run Control 5 x 1.0 mL

ZKVH102 High Run Control 5 x 1.0 mL

Analytes

Inactivated Zika Virus

Complementary product:

See page 21 for Negative Run Control (Cat # NEG000/NEG050)

Refer to myelnserts.com, exactdiagnostics.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Blood Gas Control



- Available in three distinct levels with values targeted at varying points within the clinical range
- Color coded matrix for easy identification
- Aqueous based matrix
- 4 year shelf life at 18-25°C

POCT methods listed

Ordering Information

Cat #	Description
571	Level 1 30 x 1.7 mL
572	Level 2 30 x 1.7 mL
573	Level 3 30 x 1.7 mL
570X	Trilevel MiniPak (3 of each level) 9 x 1.7 mL

Analytes

pCO₂
pH
pO₂

Liquichek™ Blood Gas Plus E Control



- Designed to monitor precision of laboratory measurements on Blood Gas and Ion Selective Electrode (ISE) instrumentation
- Clear aqueous matrix
- 4 year shelf life at 2-25°C

POCT methods listed

Ordering Information

Cat #	Description
576	Level 1 30 x 1.7 mL
577	Level 2 30 x 1.7 mL
578	Level 3 30 x 1.7 mL
575X	Trilevel MiniPak (3 of each level) 9 x 1.7 mL

Analytes

Calcium (Ionized) pO₂
Chloride Potassium
pCO₂ Sodium
pH

Liquichek™ Blood Gas Plus EGL Control



- Expanded test menu including pH, Blood Gas, Electrolytes and Metabolites
- Aqueous, clear matrix
- 3 year shelf life at 2-8°C
- Can be stored for up to 12 months at 20-25°C

POCT methods listed

Ordering Information

Cat #	Description
511	Level 1 30 x 1.7 mL
512	Level 2 30 x 1.7 mL
513	Level 3 30 x 1.7 mL
510X	Trilevel MiniPak (3 of each level) 9 x 1.7 mL

Analytes

Calcium (Ionized) pCO₂
Chloride pH
Glucose pO₂
Lactate (Lactic Acid) Potassium
Lithium Sodium
Magnesium

NEW Cardiac Advance

Liquichek™ Cardiac Advance Control



Available in Multiple Configurations

- A comprehensive, multi-analyte cardiac control optimized for high sensitivity Troponin
- Liquid, human serum based

Standard Vials

- Level 1 Troponin values near limit of detection for most instruments. Choice of 4 levels
- 28 month shelf life at -20°C to -70°C
- 20 day open-vial stability at 2-8°C, with exceptions

Compact Vials

- Level 1 Troponin values near limit of detection for most instruments. Choice of 4 levels
- Barcoded vials for workflow optimization
- 28 month shelf life at -20°C to -70°C
- 5 day open-vial stability for all analytes when stored at 2-8°C



Compatible with Siemens and Roche platforms. Abbott users should use Liquichek Cardiac Markers Plus Control LT.

Homocysteine not compatible with Siemens platforms. Siemens users should use Liquichek Homocysteine Control.

Ordering Information

Cat #	Description
Standard Vials	
12016447	Level 1 6 x 3 mL
12016448	Level 2 6 x 3 mL
12016449	Level 3 6 x 3 mL
12016450	Level 4 6 x 3 mL
Compact Vials	
12016472	Level 1 6 x 2.5 mL
12016473	Level 2 6 x 2.5 mL
12016474	Level 3 6 x 2.5 mL
12016475	Level 4 6 x 2.5 mL

For InteliQ Cardiac Advance Control, see page 9

Analyte

BNP	Myoglobin
CK-MB Isoenzyme	NT-proBNP
C-Reactive protein (CRP)	Troponin I
Digitoxin	Troponin T**
Galectin-3	
Homocysteine	**Not available in compact vial

Liquichek™ Cardiac Markers Plus Control LT



Available in Multiple Configurations

- A comprehensive cardiac control with compatibility for high-sensitivity Troponin testing
- Liquid, human serum based

Standard Vials

- Choice of four Troponin levels (1, 1A, 1B, or 1C) for high-sensitivity Troponin methods
- 3 year shelf life at -20°C to -70°C
- 20 day open-vial stability at 2-8°C, with exceptions

Compact Vials

- Level 1C Troponin I values at or near the 99th percentile upper reference limit (URL) of Troponin I for TNIH method
- Barcoded vials for workflow optimization
- 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



POCT methods listed for standard vials

Ordering Information

Cat #	Description
Standard Vials	
146	Level 1 6 x 3 mL
27104	Level 1A 6 x 3 mL
27105	Level 1B 6 x 3 mL
27106	Level 1C 6 x 3 mL
147	Level 2 6 x 3 mL
148	Level 3 6 x 3 mL
149	Level Low 6 x 3 mL
146X	Level 1 MiniPak 1 x 3 mL
27104X	Level 1A MiniPak 1 x 3 mL
27105X	Level 1B MiniPak 1 x 3 mL
27106X	Level 1C MiniPak 1 x 3 mL
147X	Level 2 MiniPak 1 x 3 mL
148X	Level 3 MiniPak 1 x 3 mL
149X	Level Low MiniPak 1 x 3 mL
Compact Vials	
297	Level 1C 6 x 2.5 mL
298	Level 2 6 x 2.5 mL
299	Level 3 6 x 2.5 mL
298X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL

For InteliQ Cardiac Markers Plus Control LT, see page 10

Analytes

BNP*	CRP	Myoglobin	Troponin I
CK (Total)	Digitoxin	NT-proBNP	Troponin T*
CK-MB Isoenzyme	Homocysteine*		

*Available in standard vial configuration only.

*No claim is made for expected value or stability.

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Cardiac Troponins Control



- Dedicated Troponins control
- Monitors the precision of high-sensitivity Troponin I and T assays near the 99th percentile upper reference limit and across the assay range
- Convenience of a liquid control
- 18 month shelf life at -20°C to -70°C
- Open-vial stability at 2-8°C
 - Troponin I: 14 days
 - Troponin T: 25 days

Ordering Information

Cat #	Description
12001084	Level 16 x 3 mL
12006239	Level 26 x 3 mL
12006369	Level 36 x 3 mL
12001085	Level 1 MiniPak1 x 3 mL
12006370	Level 2 MiniPak1 x 3 mL
12006371	Level 3 MiniPak1 x 3 mL

Analytes

Troponin I	Troponin T
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Liquichek™ Cardiac Markers Plus Control



- Comprehensive cardiac control monitoring the precision of non high-sensitivity Troponin assays
- Values provided for hs-CRP
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 20 day open-vial stability at 2-8°C with exceptions

POCT methods listed

Ordering Information

Cat #	Description
180	Trilevel (2 of each level)6 x 3 mL
181	Level 16 x 3 mL
182	Level 26 x 3 mL
183	Level 36 x 3 mL
180X	Trilevel MiniPak (1 of each level)3 x 3 mL

Analytes

BNP
CK (Total)
CK-MB Isoenzyme

CRP
Digitoxin
Homocysteine*

Myoglobin
NT-proBNP

Troponin I
Troponin T

*No claim is made for expected values or stability.

Liquichek™ CK/LD Isoenzyme Control



- Monitors the precision of traditional and electrophoretic methods
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 10 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
671	Level 16 x 1 mL
672	Level 26 x 1 mL
670X	Bilevel MiniPak (1 of each level)2 x 1 mL

Analytes

Albumin
CK (Total)
CK Electrophoresis

CK-MB Isoenzyme
Globulin

LD Electrophoresis
LDH

Protein Electrophoresis
Protein Serum (Total)

Liquichek™ Homocysteine Control



- Designed to monitor Homocysteine precision across a wide range of target values
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
287	Level 16 x 1 mL
288	Level 26 x 1 mL
289	Level 36 x 1 mL
288X	Trilevel MiniPak (1 of each level)3 x 1 mL

For IntelliQ Homocysteine Control, see page 11

Analyte

Homocysteine

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquid Assayed and Unassayed Multiquel



Available in Multiple Configurations

Provides a comprehensive range of chemistry analytes for monitoring the precision of general chemistry test procedures. Human serum based.

Liquid Assayed & Unassayed, Standard Vials

- 3 year shelf life at -20°C to -70°C
- 30 day unopened stability at 2-8°C for most analytes
- 14 day open-vial stability at 2-8°C for most analytes

Liquid Assayed, Compact Vials

- 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

POCT methods listed for standard vials

For IntelliQ Assayed Multiquel Control, see page 9

Ordering Information

Cat #	Description
Liquid Assayed Multiquel, Standard Vials	
694	Level 1 12 x 3 mL
695	Level 2 12 x 3 mL
696	Level 3 12 x 3 mL
695X	Trilevel MiniPak (1 of each level) 3 x 3 mL
Liquid Assayed Multiquel, Compact Vials	
337	Level 1 12 x 2.5 mL
338	Level 2 12 x 2.5 mL
339	Level 3 12 x 2.5 mL
338X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL
Liquid Unassayed Multiquel	
697	Level 1 12 x 10 mL
698	Level 2 12 x 10 mL
699	Level 3 12 x 10 mL
698X	Trilevel MiniPak (1 of each level) 3 x 10 mL

Analytes

	Standard Vials	Compact Vials		Standard Vials	Compact Vials		Standard Vials	Compact Vials
Acetaminophen	●	●	CO ₂	●	●	Osmolality	●	
Acid Phosphatase (Total)	●		Complement C3	●	●	PAP*	●	
Albumin	●	●	Complement C4	●	●	Phenobarbital	●	●
Albumin: Globulin Ratio	●		Copper	●		Phenytoin	●	●
Alkaline Phosphatase (ALP)	●	●	Cortisol	●		Phospholipids	●	
α-1-Antitrypsin	●	●	Creatine Kinase (CK)	●	●	Phosphorus	●	●
α-Hydroxybutyrate Dehydrogenase (αHBDH)*	●		Creatinine	●	●	Potassium	●	●
ALT/SGPT	●	●	Digoxin	●	●	Prealbumin	●	●
Amikacin	●		Ethanol	●	●	Protein Serum (Total)	●	●
Amylase	●	●	Ferritin	●	●	Salicylate	●	●
Amylase (Pancreatic)	●		Gentamicin	●	●	Sodium	●	●
Apolipoprotein A-1	●	●	GGT	●	●	T3 (Total)	●	●
Apolipoprotein B	●	●	Globulin**	●		T3 Uptake/T-Uptake	●	●
AST/SGOT	●	●	Glucose	●	●	T4 (Free)	●	●
Bilirubin (Direct)	●	●	Haptoglobin	●	●	T4 (Total)	●	●
Bilirubin (Neonatal)	●		Immunoglobulin A (IgA)	●	●	Theophylline	●	●
Bilirubin (Total)	●	●	Immunoglobulin G (IgG)	●	●	Tobramycin	●	●
Calcium (Ionized)	●		Immunoglobulin M (IgM)	●	●	Transferrin	●	●
Calcium	●	●	Iron	●	●	Triglycerides	●	●
Carbamazepine	●	●	Iron (TIBC)	●	●	TSH	●	●
Ceruloplasmin	●	●	Iron (UIBC)	●		Urea	●	
Chloride	●	●	Lactate (Lactic Acid)	●	●	Urea Nitrogen (BUN)	●	●
Cholesterol (HDL)	●	●	Lactate Dehydrogenase (LDH)	●	●	Uric Acid	●	●
Cholesterol (LDL)	●	●	LAP Arylamidase	●		Valproic Acid	●	●
Cholesterol (Total)	●	●	Lipase	●	●	Vitamin B ₁₂	●	●
Cholinesterase	●	●	Lithium	●	●	Zinc	●	
CK-MB Isoenzyme*	●		Magnesium	●	●			

*No claim is made for expected value or stability.
 **α-1-Globulin, α-2-Globulin, β-Globulin, γ-Globulin.

Refer to myInserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Lyphocheck™ Assayed Chemistry Control and Lyphocheck™ Unassayed Chemistry Control (Human)



- Includes a comprehensive list of claimed analytes for general chemistry testing
- Provides good stability for enzymes and CO₂
- No special diluents are required for reconstitution
- Human serum based
- Assayed: 40 month shelf life at 2-8°C
Unassayed: 37 month shelf life at 2-8°C
- 30 day reconstituted and frozen stability at -10°C to -20°C for most analytes
- 7 day open-vial reconstituted stability at 2-8°C for most analytes

POCT methods listed for
Lyphocheck Assayed Chemistry Control

Ordering Information

Cat # Description

Assayed Chemistry Control

C-310-5	Level 1	12 x 5 mL
C-315-5	Level 2	12 x 5 mL
313X	Bilevel MiniPak (1 of each level)	2 x 5 mL

Unassayed Chemistry Control (Human)

731	Level 1	25 x 5 mL
732	Level 2	25 x 5 mL
730X	Bilevel MiniPak (1 of each level)	2 x 5 mL
C-320-10	Level 1	50 x 10 mL
C-325-10	Level 2	50 x 10 mL
323X	Bilevel MiniPak (1 of each level)	2 x 10 mL

Analytes

Acetaminophen	Ceruloplasmin	Immunoglobulin G (IgG)	T3 (Free)
Acid Phosphatase (Total)	Chloride	Immunoglobulin M (IgM)	T3 (Total)
Albumin	Cholesterol (HDL)	Iron	T3 Uptake/T-Uptake
Alkaline Phosphatase (ALP)	Cholesterol (LDL)	Iron (TIBC)	T4 (Free)
Alpha-1-Antitrypsin	Cholesterol (Total)	Iron (UIBC)	T4 (Total)
Alpha-Hydroxybutyrate	Cholinesterase	Lactate (Lactic Acid)	TBG
Dehydrogenase (αHBDH)*	CO ₂	Lactate Dehydrogenase (LDH)	Theophylline
Alphafetoprotein (AFP)	Complement C3	LAP Arylamidase	Tobramycin
ALT/SGPT	Complement C4*	Lipase	Transferrin
Amylase	Copper	Lithium	Triglycerides
Amylase (Alpha)	Cortisol	Magnesium	TSH
Amylase (Pancreatic)	Creatine Kinase (CK)	Osmolality	Urea
Apolipoprotein A-1	Creatinine	PAP	Urea Nitrogen (BUN)
Apolipoprotein B	Digoxin	Phenobarbital	Uric Acid
AST/SGOT	Gentamicin	Phenytoin	Valproic Acid
Bilirubin (Direct)	GGT	Phosphorus	Vancomycin
Bilirubin (Indirect)	GLDH	Potassium	Vitamin B ₁₂
Bilirubin (Total)	Globulin	Protein Electrophoresis	Zinc
Calcium	Glucose	Protein Serum (Total)	
Calcium (Ionized)	Haptoglobin	PSA (Total) ¹	
Carbamazepine	hCG-β Subunit	Salicylate	
CEA	Immunoglobulin A (IgA)	Sodium	

¹Available in Lyphocheck Assayed Chemistry Control only.

*No claim is made for expected value or stability.

Liquichek™ Unassayed Chemistry Control (Human)



- Unassayed control with larger 10 mL fill size for more cost effective serum chemistry testing
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 15 day open-vial stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
691	Level 1 25 x 10 mL
692	Level 2 25 x 10 mL
690X	Bilevel MiniPak (1 of each level) 2 x 10 mL

Analytes

Acetaminophen	Cholesterol (Total)	Iron (UIBC)*	Sodium
Acid Phosphatase (Total)	CO ₂	Lactate (Lactic Acid)	T3 (Free)*
Albumin	Copper	Lactate Dehydrogenase (LDH)	T3 (Total)
Aldolase*	Cortisol	LAP Arylamidase*	T3 Uptake/T-Uptake
Alkaline Phosphatase (ALP)	Creatine Kinase (CK)	Lipase	T4 (Free)*
Alpha-Hydroxybutyrate	Creatinine	Lithium	T4 (Total)
Dehydrogenase (αHBDH)*	Digoxin	Magnesium	Theophylline
ALT/SGPT	Ethanol	Osmolality	Tobramycin
Amylase	Gentamicin	PAP*	Transferrin
AST/SGOT	GGT	Phenobarbital	Triglycerides
Bilirubin (Direct)*	GLDH*	Phenytoin	TSH
Bilirubin (Indirect)*	Globulin	Phospholipids	Urea Nitrogen (BUN)
Bilirubin (Total)	Glucose	Phosphorus	Uric Acid
Calcium	Immunoglobulin A (IgA)	Potassium	Valproic Acid
Calcium (Ionized)*	Immunoglobulin G (IgG)	Protein (Total)	Vancomycin
Carbamazepine	Immunoglobulin M (IgM)	Protein Electrophoresis	Vitamin B ₁₂
Chloride	Iron	Pseudocholinesterase	Zinc*
Cholesterol (HDL)*	Iron (TIBC)	Salicylate	

*No claims are made regarding performance or stability.

Liquichek™ Ethanol/Ammonia Control



Available in Multiple Configurations

Offers normal, elevated and toxic concentrations of Ethanol and Ammonia.

Standard Vials

- 2 year shelf life at 2-8°C
- 20 day open-vial stability at 2-8°C

Compact Vials

- 20 day open-vial stability for both analytes when stored at 2-8°C
- 2 year shelf life when stored at 2-8°C

Ordering Information

Cat #	Description
Standard Vials	
544	Level 1 6 x 3 mL
545	Level 2 6 x 3 mL
546	Level 3 6 x 3 mL
545X	Trilevel MiniPak (1 of each level) 3 x 3 mL
Compact Vials	
271	Level 1 6 x 2.5 mL
272	Level 2 6 x 2.5 mL
273	Level 3 6 x 2.5 mL
272X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL

For IntelliQ Ethanol/Ammonia Control, see page 10

Analytes

Ammonia
Ethanol

Liquichek™ Lipids Control



- Contains C-Reactive Protein (CRP) in levels optimized for hs-CRP assays
- Higher Triglycerides and Cholesterol values to monitor precision of the full assay range
- Provides values for direct HDL
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
641	Level 1 6 x 3 mL
642	Level 2 6 x 3 mL
640X	Bilevel MiniPak (1 of each level) 2 x 3 mL

Analytes

Apolipoprotein A-1
Apolipoprotein B

C-Reactive Protein (CRP)
Cholesterol (HDL)

Cholesterol (LDL)
Cholesterol (Total)

Lipoprotein (a)
Triglycerides

Liquichek™ Pediatric Control



Available in Multiple Configurations

- Suitable for monitoring high Bilirubin levels important for adult liver disease
- Liquid

Standard Vials

- Four Bilirubin parameters are available at two clinically significant levels for neonatal testing
- 3 year shelf life at -20°C to -70°C
- 3 month stability when stored unopened at 2-8°C
- 14 day open-vial stability at 2-8°C

Compact Vials

- Monitors precision of analyte test procedures at higher concentrations important for neonatal testing
- 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

Ordering Information

Cat #	Description
Standard Vials	
354	Level 1 6 x 4 mL
355	Level 2 6 x 4 mL
353X	Bilevel MiniPak (1 of each level) 2 x 4 mL
Compact Vials	
176	Level 1 6 x 2.5 mL
177	Level 2 6 x 2.5 mL
178X	Bilevel MiniPak (1 of each level) 2 x 2.5 mL

Analytes

Bilirubin (Direct)
Bilirubin (Indirect)*
Bilirubin (Neonatal)*
Bilirubin (Total)

Caffeine
Calcium
Chloride
Glucose

Magnesium
Phenylalanine*
Potassium

Sodium
Theophylline

*Available in Standard Vials only.

Liquid Assayed Multiquel Premium



- Combination of 95 analytes, including General Chemistry, Immunology and Therapeutic Drug Monitoring (TDM) analytes
- Introduces a new level of efficiency by offering analytes from multiple high-usage quality controls
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 14 day frozen aliquot stability at 2-8°C for most analytes
- 30 day unopened stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
284	Level 1 6 x 5 mL
285	Level 2 6 x 5 mL
286	Level 3 6 x 5 mL
285X	Trilevel MiniPak (1 of each level) 3 x 5 mL

Analytes

General Chemistry

Acid Phosphatase (Total)
Albumin
Alkaline Phosphatase (ALP)
Alpha-Hydroxybutyrate
Dehydrogenase (α HBDH)*
ALT/SGPT
Amylase
Amylase (Pancreatic)
AST/SGOT
Bile Acids
Bilirubin (Direct)
Bilirubin (Neonatal)
Bilirubin (Total)
Calcium
Calcium (Ionized)
Carbon Dioxide (CO₂)
Chloride
Cholesterol (HDL)
Cholesterol (LDL)
Cholesterol (Total)
Cholinesterase
Copper
Creatine Kinase (CK)
Creatinine
Ethanol
GGT

Glucose
Glutamate Dehydrogenase (GLDH)**
Iron
Iron (TIBC)
Iron (UIBC)
Lactate (Lactic Acid)
Lactate Dehydrogenase (LDH)
LAP Arylamidase
Lipase
Magnesium
Osmolality
Phosphorus
Phospholipids
Potassium
Protein Serum (Total)
Sodium
Triglycerides
Urea
Urea Nitrogen (BUN)
Uric Acid
Zinc

Immunology

Alpha-1-Antitrypsin
Alpha-1-Acid Glycoprotein (AAG)
Anti-CCP

ASO
Apolipoprotein A-1
Apolipoprotein B
 β -2-Microglobulin
Ceruloplasmin
C-Reactive Protein (CRP)
Complement C3
Complement C4
Cystatin C¹
Globulin
Haptoglobin
Immunoglobulin A (IgA)
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)
Kappa Light Chain
Lambda Light Chain
Prealbumin
Transferrin

TDM

Acetaminophen
Amikacin
Caffeine
Carbamazepine
Digoxin
Disopyramide
Gentamicin
Lidocaine

Lithium
Methotrexate
NAPA
Phenobarbital
Phenytoin
Procainamide
Quinidine
Salicylate
Theophylline
Tobramycin
Valproic Acid
Vancomycin

Immunoassay

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

*No claims are made regarding performance or stability.

**Not available for diagnostic use in the United States.

¹Endogenous levels only.

Liquichek™ Microalbumin Control



- Designed using human Albumin at levels found in early stage renal disease
- Values provided for a wide range of popular instrument platforms
- Liquid, human urine based
- 2 year shelf life at 2-8°C
- 90 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
378	Level 1 12 x 10 mL
379	Level 2 12 x 10 mL
374X	Bilevel MiniPak (1 of each level) 2 x 10 mL

Analytes

Creatinine
Microalbumin

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Urine Chemistry Control



Available in Multiple Configurations

- Monitors the precision of general urine chemistry testing procedures
- Includes Amylase and Creatinine
- Liquid, human urine based

Standard Vials

- 2 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Compact Vials

- 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

POCT methods listed for standard vials

Ordering Information

Cat # Description

Standard Vials

397	Level 1	12 x 10 mL
398	Level 2	12 x 10 mL
395X	Bilevel MiniPak (1 of each level)	2 x 10 mL

Compact Vials

195	Level 1	12 x 2.5 mL
196	Level 2	12 x 2.5 mL
198X	Bilevel MiniPak (1 of each level)	2 x 2.5 mL

For InteliQ Urine Chemistry Control, see page 12

Analytes

Amylase	Glucose	Phosphorus	Specific Gravity*
Calcium	Magnesium	Potassium	Urea*
Chloride	Microalbumin	Pregnancy/hCG (Qualitative)*	Urea Nitrogen (BUN)
Cortisol*	Osmolality*	Protein (Total)	Uric Acid
Creatinine	pH*	Sodium	

*Available in standard vial configuration only.

Lyphocheck™ Quantitative Urine Control



- Comprehensive analyte menu for quantitative assays that monitor the precision for general urine chemistry, hormones and esoteric testing including biogenic amines, metals and porphyrins
- Contains hCG
- Microalbumin available at levels found in early stages of proteinuria and associated nephropathy
- Value assigned for a comprehensive list of methods
- Human urine based
- 2 year shelf life at 2-8°C for most analytes
- 5 day reconstituted stability at 2-8°C for most analytes

Ordering Information

Cat # Description

376	Level 1, Normal	12 x 10 mL
377	Level 2, Abnormal	12 x 10 mL
375X	Bilevel MiniPak (1 of each level)	2 x 10 mL

Analytes

3-Methoxytyramine	Calcium	Hydroxyproline (Free)*	Potassium
5-Aminolevulinic Acid (ALA)	Chloride	Hydroxyproline (Total)	Pregnancy (Qualitative)
5-HIAA	Copper*	Iron	Pregnanetriol*
11-β-Hydroxy-Androsterone*	Coproporphyrin	Lead	Protein (Total)
11-β-Hydroxy-Etiocholanolone*	Cortisol	Magnesium	Sodium
17-Hydroxycorticosteroids	Creatine*	Mercury	Specific Gravity
11-Ketoandrosterone*	Creatinine	Metanephrine	Urea
11-Ketoetiocholanolone*	Cystine*	Metanephrine (Total)	Urea Nitrogen
17-Ketosteroids	Dehydroepiandrosterone (DHEA)*	Microalbumin	Uric Acid
17-Ketogenic Steroids	Dopamine	Norepinephrine	Uroporphyrins
Aldosterone	Epinephrine	Normetanephrine	Vanillylmandelic Acid (VMA)
AMP (Cyclic)*	Estriol (Total)*	Osmolality	Zinc*
Androsterone*	Etiocholanolone*	pH	
Arsenic	Glucose	Phosphorus	
Barbiturates*	Homovanillic Acid (HVA)	Porphyrins (Total)	

*No claims are made regarding performance or stability.

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Serum Indices

- Intended for use as a pre-analytical step to determine if an instrument is detecting Hemolyzed, Icteric, or Lipemic (HIL) samples
- Prepared from human source material
- 2 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C
- 14 day closed-vial stability at 2-8°C
- 28 day frozen aliquot at -20°C to -70°C

Ordering Information

Cat #	Description
12012693	Hemolysis6 x 4 mL
12012694	Icterus6 x 4 mL
12012695	Lipemia6 x 4 mL
12012696	Non-Interfered6 x 4 mL
12012697	Hemolysis MiniPak1 x 4 mL
12012698	Icterus MiniPak1 x 4 mL
12012699	Lipemia MiniPak1 x 4 mL
12012700	Non-Interfered MiniPak1 x 4 mL

Interferents

Hemolysis
Icterus
Lipemia
Non-Interfered

Lyphocheck™ Coagulation Control



- Extended open-vial stability reduces the cost of daily QC
- Three year shelf life allows laboratories to save money by performing fewer crossover studies
- Human based
- 3 year shelf life at 2-8°C
- 48 hour open-vial stability at 2-25°C

Ordering Information

Cat #	Description
744	Level 1 12 x 1 mL
745	Level 2 12 x 1 mL
746	Level 3 12 x 1 mL
745X	Trilevel MiniPak (1 of each level) 3 x 1 mL

Analytes

Activated Partial Thromboplastin Time (APTT)	Fibrinogen
Antithrombin III (AT III)	Prothrombin Time (PT)
	Thrombin Time (TT)

Lyphocheck™ Hemostasis Control



- Supplements basic parameters provided by Lyphocheck Coagulation Control with additional factors
- Provides QC for more specialized diagnostic testing
- Human based
- 3 year shelf life at 2-8°C
- 8 hour open-vial stability at 2-25°C, except for Protein S at 2-8°C

Ordering Information

Cat #	Description
597	Level 1 12 x 1 mL
598	Level 2 12 x 1 mL
599	Level 3 12 x 1 mL
598X	Trilevel MiniPak (1 of each level) 3 x 1 mL

Analytes

Activated Partial Thromboplastin Time (APTT)	Protein C (Functional)
Antithrombin III (AT III)	Protein S (Functional)
Factors II, V, VII, VIII, IX, X, XI and XII	Prothrombin Time (PT)
Fibrinogen	Thrombin Time (TT)
Plasminogen	

Liquichek™ D-dimer Control



- Four level control monitoring assay precision across the critical range used in diagnosis of thrombotic events on multiple platforms
- Liquid, human-plasma based
- 40 month shelf life at -20°C to -70°C
- 15 day open-vial stability at 2-8°C

POCT methods listed

Ordering Information

Cat #	Description
27100	Level Low. 6 x 1 mL
27101	Level 1 6 x 1 mL
27102	Level 2 6 x 1 mL
27103	Level 3 6 x 1 mL
27102X	Four Level MiniPak (1 of each level) 4 x 1 mL

Analyte

D-dimer

Liquichek™ Diabetes Control



Available in Multiple Configurations

- Monitors the precision of test methods used for Hemoglobin A1C testing
- Liquid, human whole blood based

Standard Vials

- Higher third level HbA1c to monitor your assay range
- 3 year shelf life at -20°C to -70°C
- 45 day open-vial stability at 2-8°C

Compact Vials

- Compatible with applicable automated platforms such as Siemens Dimension Vista and Abbott Alinity
- 2D barcode for quick and easy QC set-up
- 3 year shelf life at -20°C to -50°C
- 30 day open-vial stability at 2-8°C

POCT methods listed for standard vials



Ordering Information

Cat #	Description
Standard Vials	
12011343	Level 1 6 x 1 mL
12011344	Level 2 6 x 1 mL
12011345	Level 3 6 x 1 mL
12011334	Trilevel MiniPak (1 of each level) 3 x 1 mL
Compact Vials	
12011308	Level 1 6 x 2 mL
12011309	Level 2 6 x 2 mL
12011310	Level 3 6 x 2 mL
12011331	Trilevel MiniPak (1 of each level) 3 x 2 mL

For IntelliQ Diabetes Control, see page 10

Analyte

Hemoglobin A1C

Lyphocheck™ Diabetes Control



- Lyophilized control available in two levels
- Human whole blood based control
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C

POCT methods listed

Ordering Information

Cat #	Description
740	Bilevel (3 of each level) 6 x 0.5 mL
740X	Bilevel MiniPak (1 of each level) 2 x 0.5 mL

Analytes

Hemoglobin (Total Glycated)*	Hemoglobin A1C
Hemoglobin (Total)	Hemoglobin F
Hemoglobin A1*	

*No claims are made regarding performance or stability.

Lyphocheck™ Hemoglobin A₂ Control



- Lyophilized
- Human whole blood based control
- 2 year shelf life at 2-8°C
- 21 day reconstituted stability at 2-8°C for most methods
- 14 day reconstituted stability at 2-8°C for Gel Electrophoresis

Assayed values available for common analyzers:

Bio-Rad

- D-10
- VARIANT™
- VARIANT™ II

Other

- SEBIA Hydragel
- SEBIA CAPILLARYS 2
- FLEX PIERCING
- TOSOH G7

Ordering Information

Cat #	Description
553	Bilevel (2 of each level) 4 x 0.5 mL
553X	Bilevel MiniPak (1 of each level) 2 x 0.5 mL

Analytes

Hemoglobin A ₂
Hemoglobin F
Hemoglobin S

Lyphocheck™ Hemoglobin A1C Linearity Set



- Intended to verify linearity throughout the reportable range of Hemoglobin A1C assays
- Human whole blood based
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C

Linearity Web software available on QCNet.com

Ordering Information

Cat #	Description
12000070	Set (1 of each level) 6 x 0.5 mL

Analyte

Hemoglobin A1C

Assayed values available for common analyzers:

Bio-Rad Analyzers

- D-10
- VARIANT™
- VARIANT™ II Turbo

Other Analyzers

- Beckman Coulter SYNCHRON Systems
- Siemens ADVIA
- Siemens Dimension Series
- Roche COBAS INTEGRA & Hitachi Systems
- Tosoh G7 & G8

Expected Values for Hemoglobin A1C (%NGSP)*

Level 1	2.7 - 3.8%
Level 2	4.1 - 5.1%
Level 3	5.5 - 6.5%
Level 4	8.4 - 10%
Level 5	12 - 15%
Level 6	16 - 22%

*Ranges reflect typical recovery values for this product. Exact values may vary depending on test/assay methodology, instruments, reagent, system calibrators or laboratory technique.

Meter Trax Control



- Easy-to-use control for Glucose, Hemoglobin and Hematocrit testing on point-of-care instruments
- Glucose and Hemoglobin stable for 31 days at 2-25°C after opening
- Hematocrit stable for 31 days at 2-8°C after opening
- 6 month shelf life at 2-8°C

POCT methods listed

Assayed values available for common analyzers:

- Abbott iSTAT
- BD Clay Adams
- Beckman StatSpin
- STI HemataSTAT
- HemoCue Hb
- i-SENS CareSens
- LifeScan OneTouch
- Nova StatStrip
- Roche Accu-Chek

Ordering Information

Cat #	Description
970	Trilevel (2 of each level) 6 x 2 mL
971	Low Level. 6 x 2 mL
972	Mid Level 6 x 2 mL
973	High Level 6 x 2 mL
970X	Trilevel MiniPak (1 of each level) 3 x 2 mL

Analytes

Glucose
Hematocrit (HCT)
Hemoglobin (Total)

Blood Gas Program



- Liquid, aqueous samples
- Comprehensive menu for external assessment of laboratory test performance of Blood Gas, Electrolytes, Glucose, Lactate and Magnesium
- 12-month cycle

Ordering Information

Catalog #

BC31* 12 x 2.5 mL

Analytes

Calcium (Ionized)	pCO ₂
Chloride	pH
Glucose	pO ₂
Lactate (Lactic Acid)	Potassium
Magnesium	Sodium

Blood Typing Program



- Ideal for clinical lab, blood bank and transfusion center testing needs
- Barcoded and ready-to-use tubes for automated platforms
- 3 samples tested every 4 months
- Educational case studies with each shipment

Ordering Information

Catalog # Description

Sample	Donor
12000837* Shipment A	3 x 4 mL + 1 x 2 mL
12000838* Shipment B	3 x 4 mL + 1 x 2 mL
12000839* Shipment C	3 x 4 mL + 1 x 2 mL

Parameters

ABO Group
Antibody Identification
Antibody Screen
Antigen Typing

Compatibility (Cross-match)
DAT (Direct Antiglobulin Test)
Rh(D)

Cardiac Markers Program



- Liquid, human plasma based
- Comprehensive menu of important cardiac assessment markers, plus D-dimer
- 12-month cycle

Ordering Information

Catalog #

BC39* 12 x 1.5 mL

Analytes

BNP	Homocysteine	Myoglobin	Troponin I
CK-MB	hs-CRP	NT-proBNP	Troponin T
D-dimer			

Coagulation Program



- Lyophilized, human plasma based
- 11 parameters for external assessment of laboratory coagulation test performance
- 12-month cycle

Ordering Information

Catalog #

BC34* 12 x 1 mL

Analytes

Antithrombin III (ATIII)	Factor VIII	Protein C	Thrombin Time (TT)
APTT	Fibrinogen	Protein S	Von Willebrand Factor (vWF)
D-dimer	INR	PT	

*Aspects of the program are subcontracted from an approved supplier.

Refer to myInserpts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Clinical Chemistry (Monthly) Program



- Lyophilized, human serum based
- 12-month cycle
- Submit results for the appropriate sample every month
- **Reference Method Values** provided for select analytes

Ordering Information

Catalog #

BC50 12 x 5 mL

Analytes

Acid Phosphatase (Total)
Alanine Aminotransferase (ALT/SGPT)
Albumin
Alkaline Phosphatase (ALP)
Amylase (Pancreatic)
Amylase (Total)
Aspartate Aminotransferase (AST/SGOT)
Bile Acids
Bilirubin (Direct)
Bilirubin (Indirect)
Bilirubin (Total)
Calcium (Ionized)

Calcium (Total)
Carbon Dioxide (CO₂)
Chloride
Cholesterol (HDL)
Cholesterol (LDL)
Cholesterol (Total)
Cholinesterase
Copper
Cortisol
Creatine Kinase (CK)
Creatinine
Gamma Glutamyl Transferase (GGT)
Glucose

Iron
Iron Binding Capacity, Total (TIBC)
Iron Binding Capacity, Unsaturated (UIBC)
Lactate (Lactic Acid)
Lactate Dehydrogenase (LDH)
Lipase
Lithium
Magnesium
Osmolality
Phosphorus
Potassium
Protein (Total)

Sodium
Thyroid Stimulating Hormone (TSH)
Thyroxine (T4), Free
Thyroxine (T4), Total
Transferrin
Triglycerides
Triiodothyronine (T3), Free
Triiodothyronine (T3), Total
Urea
Urea Nitrogen (BUN)
Uric Acid
Zinc

Ethanol/Ammonia Program



- Liquid, human serum based
- Clinically relevant levels of serum Ethanol and Ammonia
- 12-month cycle

Ordering Information

Catalog #

BC35* 12 x 3 mL

Analytes

Ammonia
Ethanol

Hematology Program



- Liquid product with human RBCs
- Choice of 11 basic hematology parameters
- For use on manual or automated analyzers
- Convenience of primary pierceable tubes
- 12-month cycle consisting of 4 separate shipments
- Submit results for the appropriate sample every month

Ordering Information

Catalog #

Description

BC90A* Shipment A 3 x 2 mL
BC90B* Shipment B 3 x 2 mL
BC90C* Shipment C 3 x 2 mL
BC90D* Shipment D 3 x 2 mL

Parameters

Hematocrit (HCT)
Hemoglobin (HGB)
Mean Corpuscular Hemoglobin (MCH)
Mean Corpuscular Hemoglobin Concentration (MCHC)
Mean Corpuscular Volume (MCV)
Mean Platelet Volume (MPV)

Platelets (PLT)
Red Blood Cells (RBC)
Red Blood Cell Distribution Width (RDW)
Red Blood Cell Distribution Width-SD (RDW-SD)
White Blood Cells (WBC)

*Aspects of the program are subcontracted from an approved supplier.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Hemoglobin Program



- Lyophilized, human whole blood based
- Includes HbA1C and HbA₂
- 12-month cycle
- Submit results for the appropriate sample every month
- Reference Method Values** provided for Hemoglobin A1C

Ordering Information

Catalog #

BC80 12 x 0.5 mL

Analytes

Hemoglobin A1C
Hemoglobin A₂

Hemoglobin (Total Glycated)

HIV/Hepatitis Program



- Liquid, human source material
- Suitable for serological tests used to detect key HIV and Hepatitis viral antibodies and antigens
- Qualitative and quantitative results reporting available
- Submit results and view reports each month through EQAS Online

Ordering Information

Catalog #

12000815 12 x 2 mL

Analytes

Anti-HAV
Anti-HBc
Anti-HBe
Anti-HBs

Anti-HCV
Anti-HIV-1
Anti-HIV-1/2
Anti-HIV-2

Anti-HTLV-I
HAV IgG
HAV IgM
HBc IgM

HBeAg
HBsAg
HIV-1 Ag

Immunoassay (Monthly) Program



- Lyophilized, human serum based
- Comprehensive menu of the most commonly tested immunoassay analytes
- 12-month cycle
- Submit results for the appropriate sample every month

Ordering Information

Catalog #

BC75 12 x 5 mL

Analytes

11-Deoxycortisol
17- α -OH-Progesterone
25-OH Vitamin D
 β -2 Microglobulin
ACE
ACTH
Aldosterone
Alphafetoprotein (AFP)
Androstenedione
C-Peptide
CA 15-3
CA 19-9
CA 27.29
CA 125
Carbamazepine
Carcinoembryonic Antigen (CEA)
Cortisol

DHEA
DHEA Sulfate
Digoxin
Estradiol
Estril, Free (UE₃)
Ferritin
Folate
Follicle Stimulating Hormone (FSH)
Fructosamine
Gastrin
hCG
hGH
Immunoglobulin E (IgE)
Insulin
Intact PTH
LH

NSE
Phenobarbital
Phenytoin
Plasma Renin Activity
Progesterone
Prolactin
PSA (Free)
PSA (Free/Total Ratio)
PSA (Total)
Renin
S100 Protein
Sex Hormone Binding Globulin (SHBG)
T3 Uptake
T-Uptake
Testosterone
Testosterone (Free)

Theophylline
Thyroglobulin (Tg)
Thyroid Stimulating Hormone (TSH)
Thyroxine Binding Globulin (TBG)
Thyroxine, Free (FT₄)
Thyroxine (T4), Total
Transferrin
Triiodothyronine, Free (FT₃)
Triiodothyronine (T3), Total
Valproic Acid
Vitamin B₁₂
Pilot Analyte
Calcitonin

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Lipids Program



- Liquid, human serum based
- Comprehensive menu of lipid profile analytes
- 12-month cycle
- Submit results for the appropriate sample every month

Ordering Information

Catalog #

BC47* 12 x 3 mL

Analytes

Apolipoprotein A-1	Cholesterol (Total)
Apolipoprotein B	Lipoprotein (a)
Cholesterol (HDL)	Triglycerides
Cholesterol (LDL)	

Serum Proteins Program



- Lyophilized, human serum based
- Comprehensive menu for external assessment of serum protein assays
- 12-month cycle
- Submit results for the appropriate sample every month

Ordering Information

Catalog #

BC23 12 x 1 mL

Analytes

α -1 Acid Glycoprotein	C-Reactive Protein (CRP)	Immunoglobulin E (IgE)	Protein (Total)
α -1 Antitrypsin	Ceruloplasmin	Immunoglobulin G (IgG)	Rheumatoid Factor (RF)
α -2 Macroglobulin	Complement C3	Immunoglobulin M (IgM)	Transferrin
β -2 Microglobulin	Complement C4	Kappa Light Chain	
Albumin	Haptoglobin	Lambda Light Chain	
Antistreptolysin O (ASO)	Immunoglobulin A (IgA)	Prealbumin	

Syphilis/Chagas Program



- Liquid, human source material
- Suitable for serological tests detecting *Treponema pallidum*, Non-Treponemal and *Trypanosoma cruzi* antibodies
- 12-month cycle
- Qualitative and quantitative results reporting available
- Submit results and view reports each month through EQAS Online

Ordering Information

Catalog #

12000833 12 x 1.5 mL

Analytes

Non-Treponemal Antibodies	<i>Treponema pallidum</i> Antibodies
<i>Treponema pallidum</i> IgG	<i>Trypanosoma cruzi</i> Antibodies

Therapeutic Drug Monitoring Program



- Lyophilized, human serum based
- Analytes targeted at therapeutic, sub-therapeutic and toxic levels
- 12-month cycle
- Submit results for the appropriate sample every month
- **Weighed-in Values** provided for select analytes at end of cycle

Ordering Information

Catalog #

BC10 12 x 5 mL

Analytes

Acetaminophen	Digoxin	Phenobarbital	Tricyclic Antidepressants (TCA)
Amikacin	Ethosuximide	Phenytoin	Screen
Amitriptyline	Gentamicin	Primidone	Valproic Acid
Caffeine	Lithium	Salicylate	Vancomycin
Carbamazepine	Methotrexate	Theophylline	
Cyclosporine	Nortriptyline	Tobramycin	

*Aspects of the program are subcontracted from an approved supplier.

Refer to myInSerts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

ToRCH/EBV/MuMZ Program



- Liquid, human source material
- Suitable for serological tests used to detect pediatric diseases and congenital infections
- Qualitative and quantitative results reporting available
- Submit results and view reports each month through EQAS Online

Ordering Information

Catalog #

12000825 12 x 2 mL

Analytes

Cytomegalovirus (CMV) IgG
Cytomegalovirus (CMV) IgM
Epstein-Barr Virus (EBNA) IgG
Epstein-Barr Virus (VCA) IgG
Epstein-Barr Virus (VCA) IgM
Herpes Simplex Virus (HSV-1) IgG
Herpes Simplex Virus (HSV-1/2) IgG
Herpes Simplex Virus (HSV-2) IgG

Measles Virus (Rubeola) IgG
Mumps Virus IgG
Rubella Virus IgG
Rubella Virus IgM
Toxoplasma gondii (Toxo) IgG
Toxoplasma gondii (Toxo) IgM
Varicella Zoster Virus (VZV) IgG

Urinalysis Program



- Liquid matrix
- Suitable for manual and automated dipstick analysis in both clinical and point-of-care testing (POCT)
- Submit qualitative results and view reports each month through EQAS Online

Ordering Information

Catalog #

12000810. 12 x 12 mL

Analytes

Albumin
Albumin-to-Creatinine Ratio
Bilirubin
Blood/Hemoglobin
Creatinine
Glucose
Ketones
Leukocytes

Nitrite
pH
Pregnancy (hCG)
Protein (Total)
Protein-to-Creatinine Ratio
Specific Gravity
Urobilinogen

Urine Chemistry Program



- Lyophilized, human urine based
- Matrix appropriate samples include basic and specialty urine chemistry analytes
- 12-month cycle
- Submit results for the appropriate sample every month

Ordering Information

Catalog #

BC45 12 x 10 mL

Analytes

5-Hydroxyindoleacetic Acid (5-HIAA)
Calcium (Total)
Chloride
Cortisol (Free)
Creatinine
Dopamine

Epinephrine
Glucose
Homovanillic Acid (HVA)
Magnesium
Metanephrine
Microalbumin (Albumin)
Norepinephrine

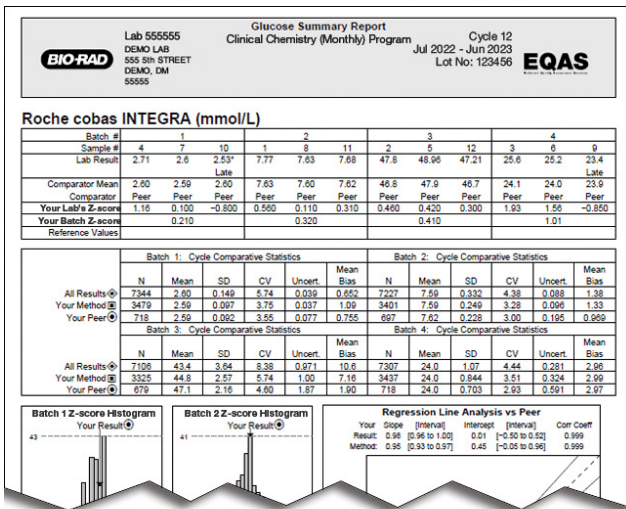
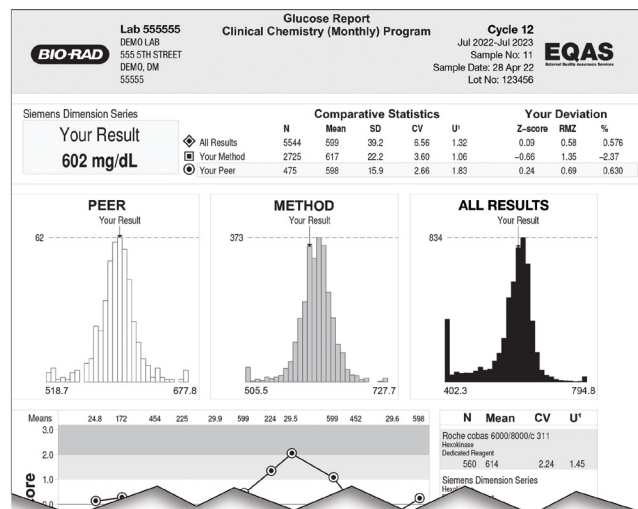
Normetanephrine
Osmolality
Phosphorus
Potassium
Protein (Total)
Sodium

Urea Nitrogen (BUN)
Uric Acid
Vanillylmandelic Acid (VMA)
Pilot Analyte
Urea

EQAS™ Reports

Participants receive twelve sample reports and one end-of-cycle report over each program cycle. These detailed reports are presented in an easy-to-read graphic format. Sample reports are available online within three days of the statistical analysis. Additional special reports (Quality Specification, Subgroup and Instrument/Method Summary) are available to registered participants.

Quantitative Reports



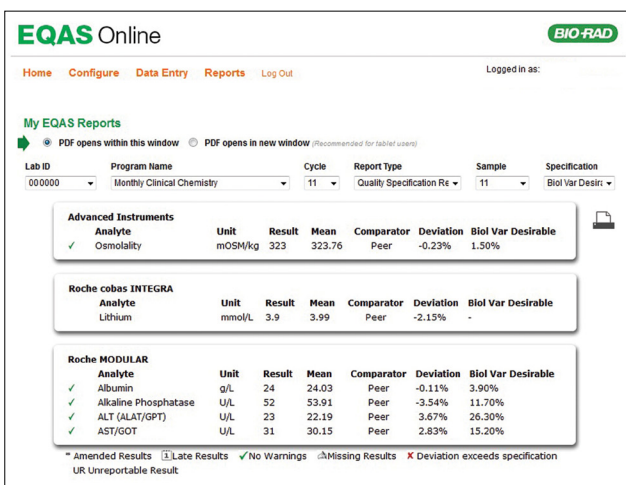
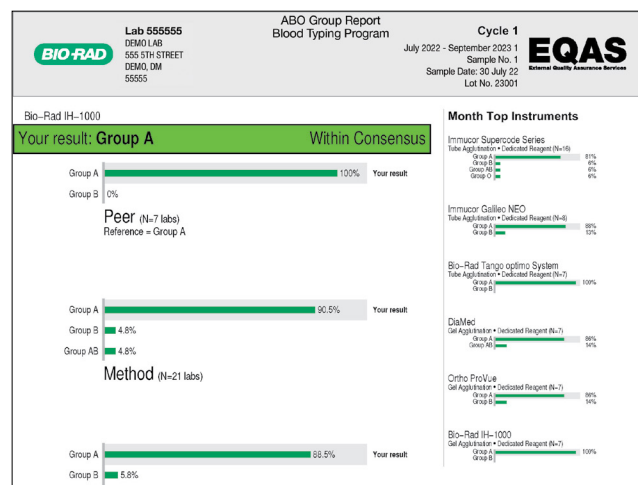
Sample Report

Detailed individual statistical analyses and peer group comparisons are provided.

End-of-Cycle Report

An overall assessment of laboratory performance over the entire cycle in terms of bias among participating laboratories is presented.

Qualitative Report



Sample Report

These reports provide clear and concise information about your qualitative test laboratory performance in the form of histograms and modified Levey-Jennings charts. They include detailed information about the distribution of the qualitative responses and the peer group consensus.

Quality Specification Report

An evaluation, in terms of percentage deviation, against set performance criteria from key regulatory and scientific organizations (ex. CLIA, BV, RCPA, IQMH, GOST and RiliBÄK), is available online for each sample analyte.

Liquichek™ Hematology Control (A)**For Abbott Systems**

- Provides assayed values for the Abbott CELL-DYN 3200, Ruby and Sapphire analyzers
- Blood cells in plasma-like fluid
- 78 day shelf life at 2-8°C
- 8 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
865	Trilevel (4 of each level) 12 x 3 mL
866	Low 4 x 3 mL
867	Normal 4 x 3 mL
868	High 4 x 3 mL
865X	Trilevel MiniPak (1 of each level) 3 x 3 mL

Parameters

Basophils (BASO)
 % Basophils
 Eosinophils (EOS)
 % Eosinophils
 Granulocytes (GRAN)
 Hematocrit (HCT)
 Hemoglobin (Total)
 Lymphocytes (LYMPH)
 % Lymphocytes
 Mean Corpuscular Hemoglobin (MCH)
 Mean Corpuscular Hemoglobin Concentration (MCHC)
 Mean Corpuscular Volume (MCV)
 Mean Platelet Volume (MPV)
 MID
 Monocytes (MONO)
 % Monocytes

Neutrophils (NEUT)
 % Neutrophils
 Nucleated Red Blood Cells (NRBC)
 Nucleated Red Blood Cells/100 WBC (NRBC/WBC%)
 Platelecrit (PCT)*
 Platelet Volume Distribution Width (PDW)*
 Platelets (PLT)
 Platelets Impedance Method (PLTi)
 Red Blood Cell Distribution Width (RDW)
 Red Blood Cells (RBC)
 Red Blood Cells, Optical (RBCo)
 White Blood Cells (WBC)
 - White Optical Count (WOC)
 - White Impedance Count (WIC)
 - Nucleated Optical Count (NOC)

*Values reported by the analyzer are not for diagnostic use

**Liquichek™ Reticulocyte Control (A)****For Abbott Systems**

- Assayed whole blood reticulocyte control for use with Abbott CELL-DYN 3200 and Ruby analyzers
- Red cells suspended in plasma-like fluid
- 75 day shelf life at 2-8°C
- 16 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
854	Level 1 4 x 3 mL
855	Level 2 4 x 3 mL
855X	Bilevel MiniPak (1 of each level) 2 x 3 mL

**Liquichek™ Reticulocyte Control (A-I)****For Abbott Systems**

- Assayed reticulocyte control for use with the CELL-DYN Sapphire hematology analyzer
- Red cells suspended in plasma-like fluid
- 78 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
916	Level 1 4 x 3 mL
917	Level 2 4 x 3 mL
915X	Bilevel MiniPak (1 of each level) 2 x 3 mL

Parameters for Liquichek™ Reticulocyte Control (A) and Liquichek™ Reticulocyte Control (A-I)

Immature Reticulocyte Fraction (IRF)*
 Red Blood Cells (RBC)*
 Reticulocyte (Retic)

*Available in Liquichek™ Reticulocyte Control (A-1) only.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Hematology Control (C)

For Beckman Coulter Systems



- Assayed hematology control for monitoring values obtained on Beckman Coulter hematology analyzers with complete CBC and VCS 5-part differential technology
- Assayed values for the UniCel DxH 600/800, DxH900 and LH 700 analyzers
- Blood cells suspended in plasma-like fluid
- 105 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C or 14 thermal cycles, whichever comes first

Ordering Information

Cat #	Description
904	Trilevel (4 of each level) 12 x 5 mL
905	Low 4 x 5 mL
906	Normal 4 x 5 mL
907	High 4 x 5 mL
904X	Trilevel MiniPak (1 of each level) 3 x 5 mL

Parameters

Basophils (BA)
 Eosinophils (EO)
 Hematocrit (HCT)
 Hemoglobin (HGB)
 Lymphocytes (LYMPH)
 Mean Corpuscular Hemoglobin (MCH)
 Mean Corpuscular Hemoglobin Concentration (MCHC)
 Mean Corpuscular Volume (MCV)
 Mean Platelet Volume (MPV)

Monocytes (MONO)
 Neutrophils (NEUT)
 Platelecrit (PCT)*
 Platelet Distribution Width (PDW)*
 Platelets (PLT)
 RDW-SD[†]
 Red Blood Cell Distribution Width (RDW)
 Red Blood Cells (RBC)
 White Blood Cells (WBC)

*Values reported by analyzer are not for diagnostic use.
[†]For Beckman Coulter LH and UniCel DxH 600/800 only.

Liquichek™ Reticulocyte Control (C)

For Beckman Coulter Systems



- Assayed hematology control for monitoring values obtained on Beckman Coulter analyzers using VCS technology
- Red cells suspended in plasma-like fluid
- 14 day open-vial stability at 2-8°C
- 75 day shelf life at 2-8°C

Ordering Information

Cat #	Description
826	Level 1 4 x 4 mL
827	Level 2 4 x 4 mL
828	Level 3 4 x 4 mL
827X	Trilevel MiniPak (1 of each level) 3 x 4 mL

Parameters

Immature Reticulocyte Fraction (IRF)
 Mean Reticulocyte Volume (MRV)
 Red Blood Cells (RBC)
 Reticulocyte (Retic)

Liquichek™ Hematology Control (S)**For Siemens Systems**

- An assayed hematology control for monitoring values obtained on Siemens analyzers with 3-part and 5-part differential technology
- Blood cells suspended in plasma-like fluid
- 80 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
449	Trilevel (4 of each level) 12 x 3.5 mL
449X	Trilevel MiniPak (1 of each level) 3 x 3.5 mL

Parameters

Basophils (BASO)
 Cellular Hemoglobin Concentration Mean (CHCM)
 Eosinophils (EOS)
 Hematocrit (HCT)
 Hemoglobin (HGB)
 Hemoglobin Concentration Distribution Width (HDW)
 Large Unstained Cells (LUC)
 Lymphocytes (LYMPH)
 Mean Corpuscular Hemoglobin (MCH)
 Mean Corpuscular Hemoglobin Concentration (MCHC)
 Mean Corpuscular Volume (MCV)

Mean Platelet Volume (MPV)
 Monocytes (MONO)
 NEUT X
 NEUT Y
 Neutrophils (NEUT)
 Platelets (PLT)
 Red Blood Cell Distribution Width (RDW)
 Red Blood Cells (RBC)
 White Blood Cells (WBC)
 White Blood Cells Counts Measured in Perox Channel (WBCP Perox)

Liquichek™ Reticulocyte Control (S)**For Siemens Systems**

- Assayed hematology control monitoring values obtained on Siemens analyzers with automated reticulocyte counting methods
- Red cells suspended in plasma-like fluid
- 80 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
921	Level 1 4 x 4 mL
922	Level 2 4 x 4 mL
923	Level 3 4 x 4 mL
922X	Trilevel MiniPak (1 of each level) 3 x 4 mL

Parameters

Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)
 Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)
 Mean Corpuscular Volume of Gated Red Blood Cells (MCVg)
 Mean Corpuscular Volume of Reticulocytes (MCVr)

Mean Hemoglobin Content of All Gated Red Cells (CHg)
 Mean Hemoglobin Content of Reticulocytes (CHr)
 Reticulocyte (Retic)
 Total Red Blood Cell Counts in Retic Channel (Retic RBC)

Liquichek™ Hematology Control (X)

For Sysmex Systems



- An assayed hematology control for use with Sysmex hematology analyzers with 5-part differential technology
- Blood cells in plasma-like fluid
- 80 day shelf life at 2-8°C
- Stable for 15 days open-vial or 15 samplings, whichever comes first, when stored at 2-8°C

Ordering Information

Cat #	Description
487	Trilevel (4 of each level). 12 x 4.5 mL
487X	Trilevel MiniPak (1 of each level) 3 x 4.5 mL

Parameters

Basophils (BASO)
 Eosinophils (EOS)
 Hematocrit (HCT)
 Hemoglobin (HGB)
 Lymphocytes (LYMPH)
 Mean Corpuscular Hemoglobin (MCH)
 Mean Corpuscular Hemoglobin Concentration (MCHC)
 Mean Corpuscular Volume (MCV)
 Mean Platelet Volume (MPV)

Monocytes (MONO)
 Neutrophils (NEUT)
 Nucleated Red Blood Cells (NRBC)*
 Platelets (PLT)
 Platelets, Optical Count (PLT-o)*
 Red Blood Cell Distribution Width-CV (RDW-CV)
 Red Blood Cell Distribution Width-SD (RDW-SD)
 Red Blood Cells (RBC)
 White Blood Cells (WBC)

*No claims made for expected value or stability.

Liquichek™ Reticulocyte Control (X)

For Sysmex Systems



- Assayed reticulocyte control for use with Sysmex hematology analyzers with automated reticulocyte counting methods
- Red cells suspended in plasma-like fluid
- 80 day shelf life at 2-8°C
- Stable for 15 days open-vial or 15 samplings, whichever comes first, when stored at 2-8°C

Ordering Information

Cat #	Description
926	Level 1 4 x 3 mL
927	Level 2 4 x 3 mL
928	Level 3 4 x 3 mL
927X	Trilevel MiniPak (1 of each level) 3 x 3 mL

Parameters

Immature Reticulocyte Fraction (IRF)
 Red Blood Cells (RBC)
 Reticulocyte (Retic)

Liquichek™ Hematology-16 Control



- Specifically designed for use on most hematology analyzers that measure up to 16 parameters and 3-part white blood cell differentials
- Can be used on either manual sampling or automatic cap-piercing instruments
- Assayed for most 2-16 parameter instruments
- Blood cell suspension
- 160 day shelf life at 2-8°C
- 21 day open-vial stability at 2-8°C

POCT methods listed

Ordering Information

Cat #	Description
760	Trilevel (2 of each level) 6 x 3 mL
761	Low 6 x 3 mL
762	Normal 6 x 3 mL
763	High 6 x 3 mL
760X	Trilevel MiniPak (1 of each level) 3 x 3 mL

Parameters

Granulocytes (GRAN)

Hematocrit (HCT)

Hemoglobin (HGB)

Lymphocytes (LYMPH)

Mean Corpuscular Hemoglobin (MCH)

Mean Corpuscular Hemoglobin Concentration (MCHC)

Mean Corpuscular Volume (MCV)

Mean Platelet Volume (MPV)

Mid-Sized Cells (MID)

Monocytes (MONO)

Platelets (PLT)

Red Blood Cell Distribution Width (RDW)

Red Blood Cells (RBC)

White Blood Cells (WBC)

Liquichek™ Hematology-16T Control



- A hematology reference control used in monitoring determinations of blood cell values on Sysmex and Abbott 3-part differential hematology analyzers
- Blood cells in plasma-like fluid
- 105 day shelf life at 2-8°C
- 14 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
144	Trilevel (4 of each level). 12 x 2.5 mL
144X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL

Parameters

Granulocytes (GRAN)

Hematocrit (HCT)

Hemoglobin (Total)

LYMPH (W-SCC & W-SCR)

Lymphocytes (LYMPH)

Mean Corpuscular Hemoglobin (MCH)

Mean Corpuscular Hemoglobin Concentration (MCHC)

Mean Corpuscular Volume (MCV)

Mean Platelet Volume (MPV)

MID

MXD (W-MCC & W-MCR)

NEUT (W-LCC & W-LCR)

Platelets (PLT)

Red Blood Cell Distribution Width (RDW)

Red Blood Cell Distribution Width-CV (RDW-CV)

Red Blood Cell Distribution Width-SD (RDW-SD)

Red Blood Cells (RBC)

White Blood Cells (WBC)

Liquichek™ Sedimentation Rate Control



- Bilevel, human whole blood control designed to monitor the precision of both manual and automated methods for measuring erythrocyte sedimentation rates
- Assayed for over 20 automated and manual methods, including Westergren and Wintrobe
- Stabilized human red blood cells in suspensions
- 540 day shelf life at 18-30°C
- 31 day open-vial stability at 18-30°C

Ordering Information

Cat #	Description
514	Level 14 x 9 mL
515	Level 24 x 9 mL
514X	Bilevel MiniPak (1 of each level)2 x 9 mL

Parameter

Erythrocyte Sedimentation Rate (ESR)

Liquichek Sedimentation Rate Control may be used with the following instruments and test methods

- BD Seditainer
- Diesse Mini-Cube
- Diesse Mini-Ves
- Diesse Ves-Matic 10
- Diesse Ves-Matic 20/20 Plus
- Diesse Ves-Matic 30/30 Plus
- Diesse Ves-Matic 60/60 Plus
- Diesse Ves-Matic Cube 30
- Diesse Ves-Matic Cube 30 Touch
- Diesse Ves-Matic Cube 80/200
- Diesse Ves-Matic Easy
- Dispette2
- Greiner Bio-One SRS100/II SRT10/II
- Kimble-Chase Disposable Westergren Tubes
- Vital Diagnostics Excyte M, 10, 20, 40
- Vital Diagnostics Excyte Mini
- Vital Diagnostics MICROsed-System
- Vital Diagnostics Monitor Series
- Polymedco Sedimat 60
- Polymedco Sediplast
- Sarstedt S-Sedivette
- Streck ESR-Auto Plus
- Westergren (Modified)
- Wintrobe

If your instrument model is not listed, please contact your nearest Bio-Rad office for current information.

Liquichek™ Immunoassay Plus Control



Available in Multiple Configurations

- Efficient solution for QC of routine Immunoassay and Therapeutic Drug Monitoring analytes
- Liquid, human serum based

Standard Vials

- Assigned values are available for major automated analyzers
- 2 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C for most analytes



Compact Vials

- 2 year shelf life when stored at -20°C to -50°C
- 4 day open-vial stability for all analytes when stored at 2-8°C

POCT methods listed

Ordering Information

Cat #	Description
Standard Vials	
360	Trilevel (4 of each level) 12 x 5 mL
361	Level 1 12 x 5 mL
362	Level 2 12 x 5 mL
363	Level 3 12 x 5 mL
360X	Trilevel MiniPak (1 of each level) 3 x 5 mL
Compact Vials	
267	Level 1 12 x 2.5 mL
268	Level 2 12 x 2.5 mL
269	Level 3 12 x 2.5 mL
268X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL

For IntelliQ Immunoassay Plus Control, see page 11

Analytes

	Standard Vial	Compact Vial		Standard Vial	Compact Vial		Standard Vial	Compact Vial
11-Deoxycortisol*	●		Ethosuximide	●		Procainamide**	●	●
17- α -Hydroxyprogesterone**	●		Ferritin	●	●	Progesterone	●	
25-Hydroxy Vitamin D*	●		Flecainide**	●		Prolactin	●	●
Acetaminophen	●	●	Folate	●	●	Propranolol	●	
Aldosterone	●		Fructosamine**	●		PSA	●	●
Alphafetoprotein (AFP)	●	●	FSH	●	●	PSA (Free)	●	●
Amikacin	●	●	Gentamicin	●	●	PTH-MM*	●	
Amiodarone*	●		hCG	●		Quinidine	●	
Amitriptyline*	●		hCG- β Subunit	●	●	Salicylate	●	●
Androstenedione	●		hGH	●		SHBG (Sex Hormone Binding Globulin)	●	
Angiotensin I*	●		Ibuprofen	●		Somatomedin-C*	●	
Anti-Thyroglobulin (Anti-Tg)*	●		Imipramine*	●		T3 (Free)	●	●
Anti-Thyroperoxidase (Anti-TPO)*	●		Immunoglobulin A (IgA)	●	●	T3 (Total)	●	●
Caffeine	●	●	Immunoglobulin E (IgE)	●	●	T3 Uptake/T-Uptake	●	●
Carbamazepine	●	●	Immunoglobulin G (IgG)	●	●	T4 (Free)	●	●
Carbamazepine (Free)**	●		Immunoglobulin M (IgM)	●	●	T4 (Total)	●	●
CEA	●	●	Insulin	●		TBG	●	
Chloramphenicol**	●		Iron	●	●	Testosterone	●	
CK-MB Isoenzyme	●	●	Iron (TIBC)*	●		Testosterone (Free)	●	
Cortisol	●		LH	●	●	Theophylline	●	●
Cyclosporine	●		Lidocaine	●	●	Thyroglobulin (Tg)*	●	
Dehydroepiandrosterone (DHEA)*	●		Lithium	●	●	Tobramycin	●	●
Desipramine**	●		N-Acetylprocainamide (NAPA)	●	●	Tricyclic Antidepressants (TCA) Screen	●	●
DHEA Sulfate	●		Netilmicin*	●		TSH	●	●
Digoxin	●	●	Nortriptyline	●		Valproic Acid (Free)	●	
Disopyramide**	●		PAP	●		Valproic Acid**	●	●
Estradiol	●	●	Phenobarbital	●	●	Vancomycin	●	●
Estriol (Free)	●		Phenytoin	●	●	Vitamin B ₁₂	●	●
Estriol (Total)*	●		Phenytoin (Free)**	●				
Estrogen (Total)**	●		Primidone	●				

*No claims are made regarding performance or stability.

**Values are not provided.

Refer to myInserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Lyphocheck™ Immunoassay Plus Control



- Offers a vast array of popular routine immunoassay analytes
- Assigned values are available for all major automated analyzers
- Provides a highly efficient solution for laboratories that focus on routine tests
- Human serum based
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C for most analytes

POCT methods listed

Ordering Information

Cat #	Description
370	Trilevel (4 of each level) 12 x 5 mL
371	Level 1 12 x 5 mL
372	Level 2 12 x 5 mL
373	Level 3 12 x 5 mL
370X	Trilevel MiniPak (1 of each level) 3 x 5 mL

Analytes

25-Hydroxy Vitamin D	Desipramine**	Immunoglobulin M (IgM)	Salicylate
11-Deoxycortisol	DHEA Sulfate	Immunoreactive Trypsinogen (IRT)*	SHBG (Sex Hormone Binding Globulin)*
17- α -Hydroxyprogesterone	Digoxin	Insulin	Somatostatin-C
Acetaminophen	Disopyramide	Iron	T3 (Free)
ACTH	Estradiol	Iron (TIBC)	T3 (Total)
Aldosterone	Estril (Free)	LH	T3 Uptake/T-Uptake
Alphafetoprotein (AFP)	Estril (Total)*	Lidocaine	T4 (Free)
Amikacin	Estrogen (Total)	Lithium	T4 (Total)
Amiodarone*	Ethosuximide	N-Acetylprocainamide (NAPA)	TBG
Amitriptyline	Ferritin	Netilmicin*	Testosterone
Androstenedione	Flecainide**	Nortriptyline	Testosterone (Free)
Angiotensin I	Folate	PAP	Theophylline
Anti-Thyroglobulin (Anti-Tg)*	Fructosamine**	Phenobarbital	Thyroglobulin (Tg)
Anti-Thyroperoxidase (Anti-TPO)*	FSH	Phenytoin	Tobramycin
C-Peptide	Gastrin	Phenytoin (Free)**	Tricyclic Antidepressants (TCA) Screen**
Caffeine	Gentamicin	Primidone	TSH
Calcitonin	Glucagon*	Procainamide	Valproic Acid
Carbamazepine	hCG	Progesterone	Valproic Acid (Free)**
Carbamazepine (Free)**	hCG- β Subunit	Prolactin	Vancomycin
CEA	hGH	Propranolol**	Vitamin B ₁₂
Chloramphenicol	Imipramine	PSA	
Cortisol	Immunoglobulin A (IgA)	PSA (Free)	
Cyclosporine*	Immunoglobulin E (IgE)	PTH (Intact)*	
Dehydroepiandrosterone (DHEA)	Immunoglobulin G (IgG)	Quinidine**	

*No claims are made regarding performance or stability.

**Values are not provided.

Liquichek™ Tumor Marker Control



Available in Multiple Configurations

- Monitors the precision of tumor marker testing procedures
- Assayed, multi-analyte control
- Liquid, human based

Standard Vials

- Includes low PSA levels for high-sensitivity methods and low levels of cancer antigens and human-based Ferritin
- Human based
- 2 year shelf life when stored frozen at -20°C to -70°C
- 30 day open-vial stability at 2-8°C for most analytes



Compact Vials

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

Lyphocheck™ Tumor Marker Plus Control



- A comprehensive, assayed, multi-analyte control
- Ideal for monitoring both routine and esoteric tumor marker testing procedures
- Human serum based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C for most analytes

For InteliQ Tumor Marker Control, see page 12

Analytes

Liquichek Tumor Marker and Lyphocheck Tumor Marker Plus Controls

	Liquid (Standard)	Liquid (Compact)	Lyophilized
β-2-Microglobulin	●	●	●
ACTH			●
Aldosterone			●
Alphafetoprotein (AFP)	●	●	●
CA 15-3	●	●	●
CA 19-9	●	●	●
CA 27.29	●		●
CA 50*			●
CA 72-4*	●		●
CA 125	●	●	●
Calcitonin			●
Carcinoembryonic Antigen (CEA)	●	●	●
CASA* ¹			●
Cyfra 21-1*	●		●
Ferritin	●	●	●
hCG	●	●	●
hCG-β Subunit			●
HE4	●		
HER2/neu	●		
Insulin Growth Factor I (IGF-I)	●		
Neuron Specific Enolase (NSE)*			●
PAP	●		●
ProGRP*	●		
Prolactin	●	●	●
PSA (Free)	●	●	●
PSA (Total)	●	●	●
S-100*			●
SCC*	●		
Thyroglobulin (Tg)	●		●

*International use only. Not available for diagnostic use in the United States.

¹No claim is made for expected values or stability.

Ordering Information

Cat # Description

Liquichek™ Tumor Marker Control, Standard Vials

547	Level 1	6 x 2 mL
548	Level 2	6 x 2 mL
549	Level 3	6 x 2 mL
548X	Trilevel MiniPak (1 of each level)	3 x 2 mL

Liquichek™ Tumor Marker Control, Compact Vials

27114	Level 1	6 x 2 mL
27115	Level 2	6 x 2 mL
27116	Level 3	6 x 2 mL
27115X	Trilevel MiniPak (1 of each level)	3 x 2 mL

Cat # Description

Lyphocheck™ Tumor Marker Plus Control

367	Level 1	6 x 2 mL
368	Level 2	6 x 2 mL
369	Level 3	6 x 2 mL
368X	Trilevel MiniPak (1 of each level)	3 x 2 mL

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Specialty Immunoassay Control



- Offers complex, high usage specialty immunoassay analytes for laboratories conducting specialty testing in support of operating/emergency rooms, hospitals and physician offices
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
359	Level LTA6 x 5 mL
364	Level 16 x 5 mL
365	Level 26 x 5 mL
366	Level 36 x 5 mL
359X	Four Level MiniPak (1 of each level)4 x 5 mL

For IntelliQ Specialty Immunoassay Control, see page 12

Analytes

25-Hydroxy Vitamin D
Anti-Thyroglobulin (Anti-Tg)

Anti-Thyroperoxidase (Anti-TPO)
C-Peptide

Erythropoietin (EPO)
Insulin Growth Factor I (IGF-I)

Intact PTH
Osteocalcin

Lyphocheck™ Specialty Immunoassay Control



- Includes popular analytes with increasing clinical utilization
- Human serum based
- 3 year shelf life at 2-8°C
- 30 day reconstituted stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
27124	Level 16 x 2 mL
27125	Level 26 x 2 mL
27126	Level 36 x 2 mL
27125X	Trilevel MiniPak (1 of each level)3 x 2 mL

Analytes

25-Hydroxy Vitamin D
Erythropoietin (EPO)
Intact PTH

Procalcitonin
Sex Hormone Binding Globulin (SHBG)

Lyphocheck™ Anemia Control



- Monitors test precision at clinically significant low/deficient values for anemia-related analytes
- Human serum based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
500	Single Level6 x 3 mL
500X	MiniPak1 x 3 mL

Analytes

Ferritin
Folate

Iron
Iron (TIBC)

Iron (UIBC)
Transferrin

TSH
Vitamin B₁₂

Liquichek™ AMH Control



- Liquid convenience to reduce handling errors
- Three levels targeted at low, medium and high clinically-relevant ranges
- Human base to more closely resemble a patient sample
- 26 month shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
12006327	Trilevel (2 of each level) 6 x 2 mL

Analyte

Anti-Mullerian Hormone

Lymphocheck™ Fertility Control



- Designed to monitor the precision of tests performed for fertility or pregnancy
- Elevated hCG and hCG-β Subunit levels allow laboratories to monitor their dilution procedure
- Human serum based
- 3 year shelf life at 2-8°C
- 7 day reconstituted stability at 2-8°C

POCT methods listed

Ordering Information

Cat #	Description
480	Trilevel (4 of each level). 12 x 5 mL
481	Level 1 12 x 5 mL
482	Level 2 12 x 5 mL
483	Level 3 12 x 5 mL
480X	Trilevel MiniPak (1 of each level) 3 x 5 mL

Analytes

Alphafetoprotein (AFP)
Digitoxin
Estradiol

Estril (Free)
Estril (Total)*
Ferritin

FSH
hCG
hCG-β Subunit

LH
Progesterone
Testosterone

*No claims are made regarding performance or stability.

Liquichek™ Maternal Serum 1st Trimester Control



- Liquid, assayed quality control
- Designed to monitor the precision of immunoassay test methods used during maternal serum first trimester screening
- Includes clinically relevant levels of Free beta hCG and PAPP-A
- Human serum based
- 2 year shelf life at -20°C to -70°C
- 15 day open-vial stability at 2-8°C

Available outside the United States only

Ordering Information

Catalog #	Description
636	Trilevel (2 of each level) 6 x 1 mL
636X	Trilevel MiniPak (1 of each level) 3 x 1 mL

Analytes

hCG
hCG-β Subunit (Free)

PAPP-A

Liquichek™ Maternal Serum II Control



- Liquid, assayed quality control serum
- Analytes at clinically significant levels to monitor the precision of maternal serum analysis
- Human serum
- Includes the hormone Inhibin A
- Very elevated hCG
- Very low levels of Free Estril and AFP

Ordering Information

Catalog #	Description
402	Level 1 6 x 2.5 mL
403	Level 2 6 x 2.5 mL
404	Level 3 6 x 2.5 mL
403X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL

Analytes

AFP
hCG

Free Estril
Inhibin A

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Immunoassay Premium Control



- Combination of 62 analytes including routine Immunoassay, Specialty Immunoassay, Therapeutic Drug Monitoring (TDM) and Tumor Marker analytes
- Introduces a new level of efficiency by combining multiple high-usage quality controls
- Reduces QC set-up time, eliminates waste and provides cost and labor savings
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C for most analytes
- 28 day unopened stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
27110	Trilevel (2 of each level)6 x 5 mL
27111	Level 16 x 5 mL
27112	Level 26 x 5 mL
27113	Level 36 x 5 mL
27110X	MiniPak (1 of each level).3 x 5 mL

Analytes

Immunoassay

Acid Phosphatase (Prostatic)
AFP
Cortisol
DHEA-Sulfate
Estradiol
Estriol (Free)
Ferritin
Folate
FSH
hCG (Total Beta)
hGH
Insulin
LH
Progesterone
Prolactin
T3 Uptake/T Uptake
T3 (Free)
T3 (Total)

T4 (Free)

T4 (Total)

TBG

Testosterone

TSH

Vitamin B₁₂

Immunology

IgA

IgE

IgG

IgM

Specialty Immunoassay

25-Hydroxy Vitamin D (Total)

SHBG

TDM

Acetaminophen

Amikacin

Caffeine

Carbamazepine

Digoxin

Disopyramide

Ethosuximide

Gentamicin

Lidocaine

Lithium

NAPA (N-Acetyl Procainamide)

Phenobarbital

Phenytoin

Phenytoin (Free)

Primidone

Procainamide

Quinidine

Salicylate

Theophylline

Tobramycin

Tricyclic Antidepressant (TCA)

Screen

Valproic Acid

Valproic Acid (Free)

Vancomycin

Tumor Marker

β-2-Microglobulin

CA 125

CA 15-3

CA 19-9

CEA (Carcinoembryonic Antigen)

Cyfra 21-1*

PSA (Free)

PSA (Total)

*Not available for diagnostic use in the United States.

Lyphochek™ Hypertension Markers Control



- Provides relevant values in monitoring precision for analytes specific to hypertension disorders
- Human serum based
- 2 year shelf life at 2-8°C
- 21 day reconstituted stability at 2-8°C for most analytes

Ordering Information

Catalog #	Description
600	Trilevel (2 of each level)6 x 2 mL
600X	Trilevel MiniPak (1 of each level)3 x 2 mL

Analytes

ACTH

ADH*

Aldosterone

Cortisol

Renin

*No claims are made regarding performance or stability.

Liquichek™ Immunology Control



Available in Multiple Configurations

- Comprehensive control to monitor the precision of serum proteins and related analyte test procedures
- Liquid, human serum based

Standard Vials

- Provides assayed values for most major integrated immunoassay platforms
- Contains more than 30 serum proteins and analytes, including Anti-Cyclic Citrullinated Peptide (Anti-CCP) and Rheumatoid Factor
- 2 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C for most analytes

Compact Vials

- 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

POCT methods listed for standard vials

Ordering Information

Cat #	Description
Standard Vials	
591	Level 1 6 x 1 mL
592	Level 2 6 x 1 mL
593	Level 3 6 x 1 mL
590X	Trilevel MiniPak (1 of each level) 3 x 1 mL
594	Level 1 6 x 3 mL
595	Level 2 6 x 3 mL
596	Level 3 6 x 3 mL
Compact Vials	
281	Level 1 6 x 2.5 mL
282	Level 2 6 x 2.5 mL
283	Level 3 6 x 2.5 mL
282X	Trilevel MiniPak (1 of each level) 3 x 2.5 mL

For IntelliQ Immunology Control, see page 11

Analytes

α-1-Acid Glycoprotein
 α-1-Antitrypsin
 α-2-Macroglobulin
 β-2-Microglobulin
 ADNase B*
 Albumin
 Anti-Cyclic Citrullinated Peptide
 (Anti-CCP)*
 Antistreptolysin O (ASO)
 Antithrombin III (AT III)*

Apolipoprotein A-1
 Apolipoprotein B
 C1 Inhibitor
 Ceruloplasmin
 Complement C3
 Complement C4
 CRP
 Cystatin C¹
 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
 Lipoprotein (a)*
 Prealbumin
 Properdin Factor B**

Protein Serum (Total)
 Retinol Binding Protein (RBP)
 Rheumatoid Factor
 Transferrin

*Available only in standard vials.

**Values are not provided.

¹Endogenous levels only.

Lyphochek Immunology Plus Control



- Contains 23 serum proteins and related analytes
- Lyophilized, human serum based
- 3 year shelf life at 2–8°C
- 15 day reconstituted stability at 2–8°C

POCT Methods Listed

Ordering Information

Cat #	Description
430	Bilevel (6 of each level) 12 x 1 mL
430X	Bilevel MiniPak (1 of each level) 2 x 1 mL

Analytes

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

Ceruloplasmin
 Complement C1q*
 Complement C3
 Complement C4
 CRP
 Haptoglobin

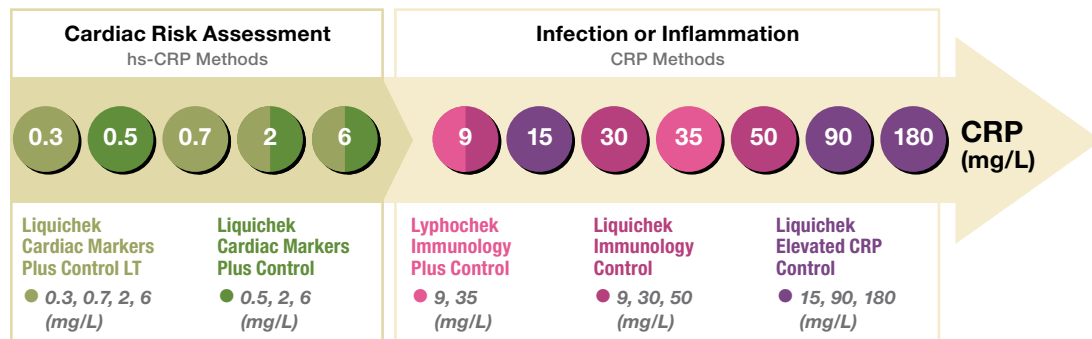
hs-CRP
 Immunoglobulin A (IgA)
 Immunoglobulin E (IgE)
 Immunoglobulin G (IgG)
 Immunoglobulin M (IgM)
 Kappa Light Chain

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

*No claims are made regarding performance or stability.

Refer to myelinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Target CRP Levels in Bio-Rad Controls



Values reflect typical assayed values for these products. Recovered values may vary depending on methodology.

Liquichek Elevated CRP Control



- For monitoring the precision of C-Reactive Protein (CRP) assays as a general marker for infection and inflammation
- Target CRP levels of 15, 90 and 180 mg/L
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
254	Level 1 12 x 1 mL
255	Level 2 12 x 1 mL
256	Level 3 12 x 1 mL
255X	Trilevel MiniPak (1 of each level) 3 x 1 mL

Analyte

CRP

Liquichek Rheumatoid Factor Control



- For monitoring the precision of Rheumatoid Factor testing procedures including nephelometric and latex agglutination methods
- Target Rheumatoid Factor levels of 34, 79 and 150 U/mL
- Liquid, human serum based
- 2 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
501	Level 1 6 x 2 mL
502	Level 2 6 x 2 mL
503	Level 3 6 x 2 mL
502X	Trilevel MiniPak (1 of each level) 3 x 2 mL

Analyte

Rheumatoid Factor

Liquichek™ Spinal Fluid Control



Available in Multiple Configurations

- Multi-analyte control with relevant concentrations of analytes for cerebrospinal fluid tests
- Liquid, human based

Standard Vials

- Level 2 positive for oligoclonal bands, used as an aid in diagnosing Multiple Sclerosis
- 2 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Compact Vials

- 2 year shelf life at 2-8°C
- 30 day open-vial stability for all analytes when stored at 2-8°C



Ordering Information

Cat #	Description
Standard Vials	
751	Level 1 6 x 3 mL
752	Level 2 6 x 3 mL
750X	Bilevel MiniPak (1 of each level) 2 x 3 mL
Compact Vials	
303	Level 1 6 x 2.5 mL
304	Level 2 6 x 2.5 mL
302X	Bilevel MiniPak (1 of each level) 2 x 2.5 mL

Analytes

Albumin
Chloride
Glucose
Immunoglobulin A (IgA)*
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)*
Lactate (Lactic Acid)

Lactate Dehydrogenase (LDH)
Protein (Total)
Protein Electrophoresis*/**
Sodium

*Available only in standard vials.

**Prealbumin, Albumin, α -1-Globulin, α -2-Globulin, β -Globulin, γ -Globulin.

Lyphocheck Allergen sIgE Control



- Multi-analyte control designed to monitor the precision of *in vitro* allergy test systems
- Provides assayed values for 15 commonly tested allergen-specific IgE antibodies
- Insert listings for fully-automated allergy diagnostic test systems
- Human sourced material
- 3 year shelf life at 2-8°C
- 28 day reconstituted stability at 2-8°C

Ordering Information

Cat #	Description
12000141	Negative 6 x 2 mL
12000142	Panel A 6 x 2 mL
12000143	Negative MiniPak 1 x 2 mL
12000144	Panel A MiniPak 1 x 2 mL

Analytes

D1 House Dust Mite (*Dermatophagoides pteronyssinus*)
D2 House Dust Mite (*Dermatophagoides farinae*)
E1 Cat Dander (*Felis domesticus*)
E3 Horse Dander (*Equus caballus*)
E5 Dog Dander (*Canis familiaris*)
F1 Egg White (*Gallus spp.*)
F2 Cow Milk (*Bos. spp.*)
F13 Peanut (*Arachis hypogaea*)

G2 Bermuda Grass (*Cynodon dactylon*)
G3 Cocksfoot/Orchard Grass (*Dactylis glomerata*)
G6 Timothy Grass (*Phleum pratense*)
M3 Mold (*Aspergillus fumigatus*)
M6 Mold (*Alternaria tenuis*)
T3 Birch (*Betula*)
W6 Mugwort (*Artemisia vulgaris*)

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek Autoimmune Controls



- Individual unassayed pattern and detection controls for monitoring indirect immunofluorescent testing of antinuclear antibodies (ANA) and autoantibodies associated with systemic autoimmune diseases
- Liquid, human serum based
- 2 year shelf life at 2–8°C
- 6 month open-vial stability at 2–8°C

Package Description

- Negative and weak positive controls packaged separately
- 0.5 mL per vial

Ordering Information

Cat #	Description
107	ANA Control, Homogeneous Pattern. 3 x 0.5 mL
113	Anti-SS-B Control 2 x 0.5 mL
114	Anti-SS-A Control 2 x 0.5 mL
115	Anti-Sm Control. 2 x 0.5 mL
116	Anti-RNP Control. 2 x 0.5 mL
117	Anti-Scl-70 Control 2 x 0.5 mL
119	Anti-nDNA Control. 3 x 0.5 mL
127	Anti-Mitochondrial Control. 3 x 0.5 mL
129	Anti-Smooth Muscle Control 3 x 0.5 mL
130	Autoimmune Negative Control. 3 x 0.5 mL
131	ANA Controls Set, Positive 4 x 0.5 mL (Homogeneous, Speckled, Centromere and Nucleolar Patterns)

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Hepatitis and Retrovirus

VIROTROL™ I



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Available in multiple configurations and fill sizes

Ordering Information

Catalog #	Description
00100A	Single Level/Dropper Bottle. 1 x 5 mL
00100B	Single Level/Dropper Bottle. 1 x 5 mL
00100C	Single Level/Dropper Bottle. 1 x 5 mL
00100E	Single Level/Dropper Bottle. 1 x 5 mL
00100F	Single Level/Dropper Bottle. 1 x 5 mL
00100G	Single Level/Dropper Bottle. 1 x 5 mL
00100H	Single Level/Dropper Bottle. 1 x 5 mL
00101B	Single Level/Tube 10 x 4 mL
00101C	Single Level/Tube 10 x 4 mL
00101E	Single Level/Tube 10 x 4 mL
00101F	Single Level/Tube 10 x 4 mL
00102B	Single Level/Dropper Bottle. 2 x 20 mL
00102C	Single Level/Dropper Bottle. 2 x 20 mL

Analytes

Anti-CMV	Anti-HIV-1
Anti-HBc	Anti-HTLV-I
Anti-HCV	HBsAg

Assayed VIROTROL™ I-C | Assayed VIROTROL™ I-E | Assayed VIROTROL™ I-F



- Assayed quality controls
- Human serum based
- Values provided for popular automated methods
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Available outside the United States only.

Ordering Information

Cat #	Description
Assayed VIROTROL I-C	
00164	Single Level/Dropper Bottle. 1 x 5 mL
Assayed VIROTROL I-E	
00166	Single Level/Dropper Bottle. 1 x 5 mL
Assayed VIROTROL I-F	
00168	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

Anti-CMV*	Anti-HIV-1
Anti-HBc	Anti-HTLV-I*
Anti-HCV	HBsAg

*Values not provided.

VIROTROL™ II



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Available in multiple configurations and fill sizes

Ordering Information

Catalog #	Description
00104A	Single Level/Dropper Bottle. 1 x 5 mL
00104B	Single Level/Dropper Bottle. 1 x 5 mL
00115A	Single Level/Tube 10 x 4 mL
00115B	Single Level/Tube 10 x 4 mL

Analytes

Anti-HAV
Anti-HBs

Please note that not all products may be available in all countries. Refer to myInserpts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Hepatitis and Retrovirus

Assayed VIROTROL™ II-B



- Assayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Available outside the United States only.

Ordering Information

Catalog #	Description
00152	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

Anti-HAV
Anti-HBs

VIROTROL™ III



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00110A	Single Level/Dropper Bottle. 1 x 5 mL
00110C	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

Anti-HAV
HAV-IgM
HBc-IgM

VIROTROL™ IV



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00111	Single Level/Dropper Bottle. 1 x 5 mL

Analyte

Anti-HBe

VIROTROL™ HIV-1 Ag



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00108A	Single Level/Dropper Bottle. 1 x 5 mL
00108B	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

HIV-1 Ag

Hepatitis and Retrovirus

VIROTROL™ HIV-1 gO



- An unassayed control used to detect antibodies to HIV-1 group O
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00113	Single Level/Tube 5 x 4 mL
00113X	Single Level/Tube 1 x 4 mL

VIROTROL™ HIV-2



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00105A	Single Level/Dropper Bottle. 1 x 5 mL
00105B	Single Level/Dropper Bottle. 1 x 5 mL
00105C	Single Level/Dropper Bottle. 1 x 5 mL

Analyte

Anti-HIV-2

VIROTROL™ PLUS-R



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
12000538	Single Level/Tube 5 x 4 mL
12000539	Single Level/Tube 1 x 4 mL

Analytes

Anti-CMV	Anti-HTLV I/II
Anti-HBc	Anti- <i>Treponema pallidum</i> (Syphilis)
Anti-HCV	HBsAg
Anti-HIV 1/2	

VIROTROL™ HAV-IgM



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00142A	Single Level/Dropper Bottle. 1 x 5 mL

VIROTROL™ HBeAg



- An unassayed quality control
- Human serum based
- 3 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00144	Single Level/Dropper Bottle. 1 x 5 mL

Analyte

HBeAg

Please note that not all products may be available in all countries. Refer to myinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Hepatitis and Retrovirus

VIROCLEAR™



- An unassayed, non-reactive quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Available in multiple configurations and fill sizes

Ordering Information

Cat #	Description
00106	Single Level/Dropper Bottle 1 x 5 mL
00112	Single Level/Tube 10 x 4 mL

Analytes

Non-reactive for:

Anti-CMV	Anti-HCV	HAV-IgM	Non-treponemal Antibodies (Syphilitic Reagin)
Anti-HAV	Anti-HIV-1	HBc-IgM	<i>Treponema pallidum</i> (Syphilis) IgG
Anti-HBc	Anti-HIV-2	HBsAg	<i>Treponema pallidum</i> (Syphilis) IgM
Anti-HBe	Anti-HTLV-I	HBsAg	<i>Treponema pallidum</i> (Syphilis) Total
Anti-HBs	Anti-HTLV-II	HIV-1 Ag	

Congenital / Pediatric Diseases

VIROTROL™ ToRCH



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00109	Single Level/Dropper Bottle 1 x 5 mL

Analytes

Cytomegalovirus (CMV) IgG	Rubella Virus IgG
Herpes Simplex Virus Type 1 (HSV-1) IgG	<i>Toxoplasma gondii</i> IgG
Herpes Simplex Virus Type 2 (HSV-2) IgG	

VIROTROL™ ToRCH-M



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
00117A	Single Level/Dropper Bottle 1 x 5 mL
00117B	Single Level/Dropper Bottle 1 x 5 mL

Analytes

Cytomegalovirus (CMV) IgG	Herpes Simplex Virus Type 1 (HSV-1) IgG	Rubella Virus IgG	<i>Toxoplasma gondii</i> IgG
Cytomegalovirus (CMV) IgM	Herpes Simplex Virus Type 2 (HSV-2) IgG	Rubella Virus IgM	<i>Toxoplasma gondii</i> IgM

Congenital / Pediatric Diseases

VIROCLEAR™ ToRCH



- An unassayed, non-reactive quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
00118	Single Level/Dropper Bottle 1 x 5 mL

Analytes

Non-reactive for:

Cytomegalovirus (CMV) IgG
Cytomegalovirus (CMV) IgM
Herpes Simplex Virus Type 1
(HSV-1) IgG

Herpes Simplex Virus Type 1
(HSV-1) IgM
Herpes Simplex Virus Type 2
(HSV-2) IgG

Herpes Simplex Virus Type 2
(HSV-2) IgM
Rubella Virus IgG
Rubella Virus IgM

Toxoplasma gondii IgG
Toxoplasma gondii IgM

Liquichek™ ToRCH Plus Control



- A bilevel control used to monitor the precision of the most widely used serology test methods
- Liquid, human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C
- Positive and negative levels packaged separately

Ordering Information

Catalog #	Description
239	Positive 3 x 3 mL
239X	Positive MiniPak. 1 x 3 mL
227	Positive (Assayed)* 3 x 3 mL
227X	Positive MiniPak (Assayed)* 1 x 3 mL
228	Negative 3 x 3 mL
228X	Negative MiniPak. 1 x 3 mL

*Assayed control available outside the United States only.

Analytes

Cytomegalovirus (CMV) IgG
Epstein-Barr Virus (EBV) IgG
Helicobacter pylori IgG
Herpes Simplex Virus Type 1 (HSV-1) IgG
Herpes Simplex Virus Type 2 (HSV-2) IgG

Rubella Virus IgG
Syphilis RPR
Toxoplasma gondii IgG
Treponema pallidum (Syphilis) IgG
Varicella Zoster Virus (VZV) IgG

VIROTROL™ MuMZ and VIROCLEAR™ MuMZ



- Unassayed quality controls
- Use VIROTROL MuMZ as a reactive control and VIROCLEAR MuMZ as a non-reactive control for the analytes listed at right
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
VIROTROL MuMZ	
00119	Single Level/Dropper Bottle 1 x 5 mL
VIROCLEAR MuMZ	
00133	Single Level/Dropper Bottle 1 x 5 mL

Analytes

Mumps Virus IgG
Rubeola Virus (Measles) IgG
Varicella Zoster Virus (VZV) IgG

Please note that not all products may be available in all countries.
Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Respiratory

VIROTROL™ SARS-CoV-2



- An unassayed reactive control
- Human plasma based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

200300A	Single Level/Tube	1 x 4 mL
200305A	Single Level/Tube	5 x 4 mL
200300B	Single Level/Tube	1 x 4 mL
200305B	Single Level/Tube	5 x 4 mL
200300C	Single Level/Tube	1 x 4 mL
200305C	Single Level/Tube	5 x 4 mL

Analytes

SARS-CoV-2 Total IgG/IgM
SARS CoV-2 IgG

VIROCLEAR™ SARS-CoV-2



- An unassayed negative control
- Human plasma based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

200500	Single Level/Tube	1 x 4 mL
200505	Single Level/Tube	5 x 4 mL

Analytes

Non-reactive for:

SARS-CoV-2 Total IgG/IgM
SARS CoV-2 IgG

PneumoTrol



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00129	Single Level/Dropper Bottle.1 x 5 mL

Analytes

Chlamydia trachomatis IgG
Mycoplasma pneumoniae IgG
Mycoplasma pneumoniae IgM

Sexually Transmitted Diseases

VIROTROL™ Syphilis LR-A



- A low reactive (LR), unassayed quality control
- Human serum based
- 3 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
00171	Single Level/Tube 5 x 4 mL
00171X	Single Level/Tube 1 x 4 mL

Analyte

Anti-*Treponema pallidum* (Syphilis)

VIROTROL™ RPR Panel



- An unassayed quality control
- VIROTROL RPR Panel consists of one non-reactive member, one minimally reactive member, and one moderately to highly reactive titratable member
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
01400	Three Levels/Vial 3 x 1.5 mL

Analyte

Non-treponemal Antibodies (Syphilitic Reagin)

Specialty Infectious Disease

VIROTROL™ Chagas



- An unassayed, reactive quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00125	Single Level/Tube 5 x 4 mL
00125X	Single Level/Tube 1 x 4 mL

Analyte

Trypanosoma cruzi (*T. cruzi*) Antibodies

VIROTROL™ EBV



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2-8°C
- 60 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
00128A	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

EBNA IgG
Epstein-Barr Virus (VCA) IgG
Epstein-Barr Virus (VCA) IgM

Please note that not all products may be available in all countries. Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Specialty Infectious Disease

VIROCLEAR™ EBV



- An unassayed, non-reactive quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00131	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

Non-reactive for:

EBNA IgG
EBV EA-D IgG
Epstein-Barr Virus (VCA) IgG
Epstein-Barr Virus (VCA) IgM

VIROTROL™ Lyme



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00132	Single Level/Dropper Bottle. 1 x 5 mL

Analyte

Borrelia burgdorferi IgG

PyloriTrol



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00121	Single Level/Dropper Bottle. 1 x 5 mL

Analyte

Helicobacter pylori IgG

VIROTROL™ WNV



- An unassayed quality control
- Human serum based
- 2 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

Ordering Information

Catalog #	Description
00116	Single Level/Dropper Bottle. 1 x 5 mL

Analytes

West Nile Virus IgG
West Nile Virus IgM

Liquichek™ Therapeutic Drug Monitoring Control (TDM)

- For labs that run a high volume of serum therapeutic drug tests or prefer dedicated TDM controls
- Includes markers for monitoring thyroid function and some esoteric drugs
- Liquid, human serum based
- 3 year shelf life at -20°C to -70°C
- 180 day unopened-vial stability at 2-8°C for most analytes
- 30 day open-vial stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
724	Trilevel (4 of each level). 12 x 5 mL
725	Level 1 12 x 5 mL
726	Level 2 12 x 5 mL
727	Level 3 12 x 5 mL
724X	MiniPak (1 of each level). 3 x 5 mL

Analytes

Acetaminophen	Digoxin	Nortriptyline*	T4 (Free)*
Amikacin	Disopyramide	Phenobarbital	T4 (Total)
Amitriptyline*	Estriol (Total)*	Phenytoin	Theophylline
Caffeine	Ethosuximide	Phenytoin (Free)	Thyroid Stimulating Hormone (TSH)
Carbamazepine	Flecainide*	Primidone	Tobramycin
Carbamazepine (Free)	Gentamicin	Procainamide	Tricyclic Antidepressants (TCA)
Chloramphenicol	Haloperidol*	Propranolol	Screen
Clonazepam*	Imipramine*	Quinidine	Valproic Acid
Cortisol	Lidocaine	Salicylate	Valproic Acid (Free)
Cyclosporine*	Lithium	T3 (Free)	Vancomycin
Desipramine	Methotrexate	T3 (Total)	
Diazepam	N-Acetylprocainamide (NAPA)	T3 Uptake/T-Uptake	

*No claims are made regarding performance or stability.

Lyphocheck™ Therapeutic Drug Monitoring Control (TDM)

- For labs that run a high volume of serum therapeutic drug tests or prefer dedicated TDM controls
- Contains over 40 analytes including markers for monitoring thyroid function
- Human serum based
- 3 year shelf life at 2-8°C
- 30 day reconstituted stability at 2-8°C for most analytes

Ordering Information

Cat #	Description
450	Trilevel (4 of each level). 12 x 5 mL
451	Level 1 12 x 5 mL
452	Level 2 12 x 5 mL
453	Level 3 12 x 5 mL
450X	MiniPak (1 of each level). 3 x 5 mL

Analytes

Acetaminophen	Disopyramide	Nortriptyline	T4 (Total)
Amikacin	Estriol (Total)*	Phenobarbital	Theophylline
Amiodarone*	Ethosuximide	Phenytoin	Thyroid Stimulating Hormone (TSH)
Amitriptyline	Flecainide*	Phenytoin (Free)	Tobramycin
Caffeine	Gentamicin	Primidone	Tricyclic Antidepressants (TCA)
Carbamazepine	Haloperidol*	Procainamide	Screen
Carbamazepine (Free)	Imipramine	Propranolol	Valproic Acid
Chloramphenicol	Lidocaine	Quinidine	Valproic Acid (Free)
Cortisol	Lithium	Salicylate	Vancomycin
Cyclosporine	Methotrexate	T3 (Total)	
Desipramine	N-Acetylprocainamide (NAPA)	T3 Uptake/T-Uptake	
Digoxin	Netilmicin*	T4 (Free)	

*No claims are made regarding performance or stability.

Liquichek™ Whole Blood Immunosuppressant Control

- Multiple levels ranging from low to very high immunosuppressant concentrations
- Compatible with chromatography and most immunoassay methods
- Liquid, human blood based
- 3 year shelf life at -20°C to -70°C
- 14 day open-vial stability at 2-8°C for most analytes

Lyphocheck™ Whole Blood Immunosuppressant Control

- Multiple levels ranging from low to very high immunosuppressant concentrations
- Compatible with chromatography and most immunoassay methods
- Lyophilized, human blood based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C
- 30 day reconstituted stability at -20°C to -70°C

Ordering Information

Cat #	Description
12000404	Level 1 6 x 2 mL
12000405	Level 2 6 x 2 mL
12000406	Level 3 6 x 2 mL
12000407	Level 4 6 x 2 mL
12000408	Four Level MiniPak (1 of each level). 4 x 2 mL

Ordering Information

Cat #	Description
274	Level 1 6 x 2 mL
275	Level 2 6 x 2 mL
276	Level 3 6 x 2 mL
277	Level 4 6 x 2 mL
278	Level 5 6 x 2 mL
279X	Five Level MiniPak (1 of each level) 5 x 2 mL

Analytes for Liquichek and Lyphocheck Whole Blood Immunosuppressant Controls

Cyclosporine

Everolimus*

Sirolimus

Tacrolimus (FK 506)

*Available in Liquichek Whole Blood Immunosuppressant Control only.

	Liquichek Whole Blood Immunosuppressant Control				Lyphocheck Whole Blood Immunosuppressant Control				
	Level 1	Level 2	Level 3	Level 4	Level 1	Level 2	Level 3	Level 4	Level 5
Catalog Number	12000404	12000405	12000406	12000407	274	275	276	277	278
Everolimus		•	•	•					
Cyclosporine Sirolimus Tacrolimus	•	•	•		•	•	•		
Extended/High range methods, including chromatography: Cyclosporine Tacrolimus				•				•	•

Refer to the package insert for instrument-specific ranges for each level.

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Qualitative Urine Toxicology Control, Negative and Positive

Use with qualitative urine drug panels, including POCT methods such as the Bio-Rad TOX/See



- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-25°C

POCT methods listed

Ordering Information

Cat #	Description
454	Negative Level 6 x 3 mL
455	Positive Level 6 x 3 mL
454X	Bilevel MiniPak (1 of each level) 2 x 3 mL

Analyte Target Values

Analytes	Negative* (ng/mL)	Positive (ng/mL)
Amphetamines		
d-Amphetamine	<50	2,000
d-Methamphetamine	<50	2,000
3, 4-Methylenedioxymethamphetamine (MDMA)	<75	750
Barbiturates		
Secobarbital	<50	1,000
Benzodiazepines		
Nordiazepam	<50	3,000
Oxazepam	<50	1,000
Cannabinoids		
11-Nor-Δ-9-THC-9-COOH	<3	150
Cocaine		
Benzoyllecgonine	<30	4,000
Ethanol (mg/dL)	<20	250
Lysergic Acid Diethylamide (LSD)	<0.1	2.0
Methadone	<75	750
Methaqualone	<50	750
Opiates		
Morphine (Free)	<50	3,000
Oxycodone	<50	150
Phencyclidine (PCP)	<5	200
Propoxyphene	<50	750
Tricyclic Antidepressants		
Nortriptyline	<20	2,000

*Negative level has been tested and found to be negative for the analytes listed in the package insert. Values above represent the testing method's Limit of Quantitation (LOQ).

Liquichek™ Urine Toxicology Negative Control

Use with Screening or Confirmatory methods



- Confirmed negative by GC-MS, LC-MS or other methods for 32 common drugs or drug metabolites
- Human urine
- 3 year shelf life at 2-8°C
- 60 day open-vial stability when stored refrigerated at 2-8°C

Ordering Information

Cat #	Description
460	Negative Control 10 x 20 mL
460X	MiniPak 1 x 20 mL

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Opiate Control



- Contains eight drugs or drug metabolites, at concentrations above and below assay cutoffs
- This control has been tested by GC/MS, LC/MS/MS and other methods to confirm the recovery of drug concentration
- Representative values for screening and confirmatory methods provided
- Human urine
- 3 year shelf life at -20°C to -70°C
- 30 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
12005786	Level 16 x 5 mL
12005787	Level 26 x 5 mL
12002594	Level 1 MiniPak1 x 5 mL
12002595	Level 2 MiniPak1 x 5 mL

Gravimetric Reference Values

Analyte (ng/mL)	Level 1	Level 2
6-Monoacetylmorphine (6-MAM, Heroin Metabolite)	7.5	12.5
Buprenorphine	5	15
EDDP (Methadone Metabolite)	50	150
Fentanyl	0.25	0.75
Meperidine*	100	300
Methadone	150	450
Oxycodone	50	150
Tramadol*	100	300

*International use only.

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Urine Toxicology Controls

SCREEN CONTROLS



Levels S1 & S2 Levels S1E & S2E

- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Ordering Information

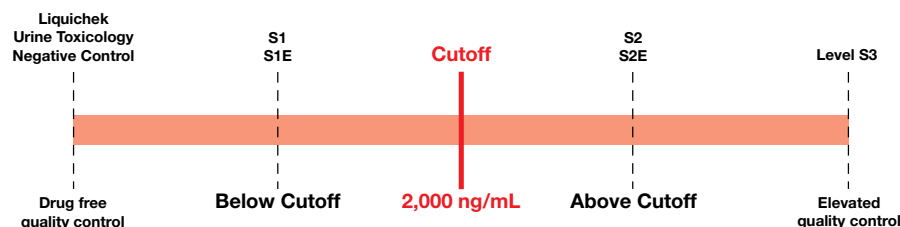
Cat #	Description
438	Level S1E 10 x 10 mL
439	Level S2E 10 x 10 mL
461	Level S1 10 x 10 mL
462	Level S2 10 x 10 mL

MiniPaks also available



Determine your cutoff

Controls on this page recommended for High Opiate cutoff (2,000 ng/mL)



Gravimetric Reference Values

Select the controls best suited for your Benzodiazepine assays

	Level S1E	Level S2E	Level S1	Level S2
Example assays may include:	(e.g. Siemens EMIT II, EMIT DAT & Ortho VITROS) Lormetazepam		(e.g. Roche OnLine) Nordiazepam	
Analytes (ng/mL)				
Amphetamines				
d-Amphetamine	–	–	750	1,250
d-Methamphetamine	750	1,250	–	–
MDMA (Ecstasy)	–	–	–	–
Barbiturates				
Secobarbital	150	375	150	375
Benzodiazepines				
Lormetazepam	150	375	–	–
Nordiazepam	–	–	75	375
Oxazepam	–	–	–	–
Cannabinoids				
11-Nor-Δ-9-THC-9-COOH	37.5	65	37.5	65
Cocaine				
Benzoyllecgonine	225	375	225	375
Ethanol (mg/dL)	40	70	40	70
Lysergic Acid Diethylamide (LSD)	0.3	0.8	0.3	0.8
Methadone	225	375	225	375
Methaqualone	225	375	225	375
Opiates				
Morphine (Free)	1,500	2,500	1,500	2,500
Phencyclidine (PCP)	19	31	19	31
Propoxyphene	225	375	225	375
Tricyclic Antidepressants				
Nortriptyline	750	1,250	750	1,250

*United States Substance Abuse and Mental Health Services Administration.
Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Urine Toxicology Controls

SCREEN CONTROLS

**Levels S1E & S2E Low Opiate****Levels S1 & S2 Low Opiate**

- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Levels S10 & S20 Low Opiate

- Human urine
- 2 year shelf life at -20 to -70°C
- 30 day open-vial stability at 2-8°C
- 45 day closed-vial stability at 2-8°C

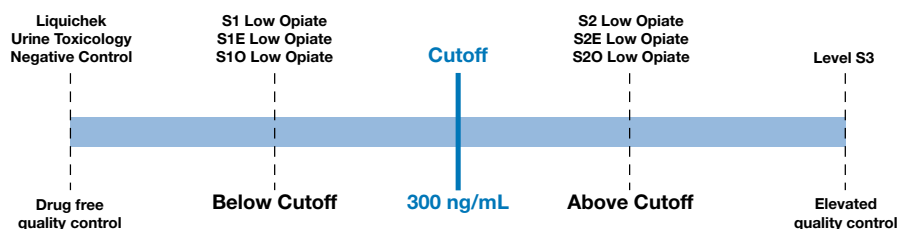
Ordering Information

Cat #	Description
423	Level S1E Low Opiate 10 x 10 mL
424	Level S2E Low Opiate 10 x 10 mL
466	Level S1 Low Opiate 10 x 10 mL
467	Level S2 Low Opiate 10 x 10 mL
683	Level S10 Low Opiate 10 x 10 mL
706	Level S20 Low Opiate 10 x 10 mL

MiniPaks also available

**Determine your cutoff**

Controls on this page recommended for Low Opiate cutoff (300 ng/mL)

**Gravimetric Reference Values**

Select the controls best suited for your Benzodiazepine assays

	Level S1E Low Opiate	Level S2E Low Opiate	Level S1 Low Opiate	Level S2 Low Opiate	Level S10 Low Opiate	Level S20 Low Opiate
Example assays may include:	(e.g.: Siemens EMIT II & EMIT DAT, Ortho VITROS)		(e.g.: Roche OnLine)		(e.g.: Abbott Multigent, Thermo DRI)	
Analytes (ng/mL)	Lormetazepam		Nordiazepam		Oxazepam	
Amphetamines						
d-Amphetamine	–	–	750	1,250	–	–
d-Methamphetamine	750	1,250	–	–	750	1,250
MDMA (Ecstasy)	–	–	–	–	–	–
Barbiturates						
Secobarbital	150	375	150	375	150	375
Benzodiazepines						
Lormetazepam	150	375	–	–	–	–
Nordiazepam	–	–	75	375	–	–
Oxazepam	–	–	–	–	100	300
Cannabinoids						
11-Nor-Δ-9-THC-9-COOH	37.5	65	37.5	65	37.5	65
Cocaine						
Benzoylcegonine	225	375	225	375	225	375
Ethanol (mg/dL)	40	70	40	70	40	70
Lysergic Acid Diethylamide (LSD)	0.3	0.8	0.3	0.8	0.3	0.8
Methadone	225	375	225	375	225	375
Methaqualone	225	375	225	375	225	375
Opiates						
Morphine (Free)	225	375	225	375	225	375
Phencyclidine (PCP)	19	31	19	31	19	31
Propoxyphene	225	375	225	375	225	375
Tricyclic Antidepressants						
Nortriptyline	750	1,250	750	1,250	–	–

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Urine Toxicology Controls

SCREEN CONTROLS



Levels S1S & S2S

- Contains six drugs of abuse at concentrations 20-25% below and above SAMHSA's recommended cutoff levels
- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
409	Level S1S. 10 x 10 mL
419	Level S2S. 10 x 10 mL

MiniPaks also available



Determine your cutoff

Levels S1S & S2S recommended for labs running SAMHSA* cutoffs



Level S3

- An elevated control for most urine Drugs-of-Abuse cutoffs
- For Low Opiate Cutoff
- Human Urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Ordering Information

Catalog #	Description
463	Level S3. 10 x 10 mL

MiniPaks also available



Determine your cutoff

Level S3 recommended for labs that need an Elevated/Strong Positive control

Gravimetric Reference Values

Analytes (ng/mL)

	Level S1S	SAMHSA* Screen Cutoffs	Level S2S	Level S3
Amphetamines				
d-Amphetamine	–	–	–	2,000
d-Methamphetamine	375	500	625	–
MDMA (Ecstasy)	375	500	625	–
Barbiturates				
Secobarbital	–	–	–	1,000
Benzodiazepines				
Lormetazepam	–	–	–	–
Nordiazepam	–	–	–	1,000
Oxazepam	–	–	–	–
Cannabinoids				
11-Nor-Δ-9-THC-9-COOH	37.5	50	65	125
Cocaine				
Benzoyllecgonine	113	150	185	500
Ethanol (mg/dL)	–	–	–	250
Lysergic Acid Diethylamide (LSD)	–	–	–	2.0
Methadone	–	–	–	750
Methaqualone	–	–	–	750
Opiates				
Morphine (Free)	1,500	2,000	2,500	750
Phencyclidine (PCP)	19	25	31	200
Propoxyphene	–	–	–	750
Tricyclic Antidepressants				
Nortriptyline	–	–	–	2,000

*United States Substance Abuse and Mental Health Services Administration.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Urine Toxicology Controls

CONFIRM CONTROLS



- Human urine
- 3 year shelf life at 2-8°C
- 30 day open-vial stability at 2-8°C

Level C1

Contains drugs at the Limit of Quantitation (LOQ) or at very low concentrations

Levels C2 & C2 Low Opiate

Contains drugs at 20-25% below confirmatory drug cutoff levels

Levels C3 & C3 Low Opiate

Contains drugs at 20-25% above confirmatory drug cutoff levels

Level C4

Contains drugs at elevated concentrations

Ordering Information

Catalog #	Description	Catalog #	Description
441	Level C1 10 x 20 mL	444	Level C4. 10 x 20 mL
442	Level C2. 10 x 20 mL	468	Level C2 Low Opiate . . . 10 x 20 mL
443	Level C3. 10 x 20 mL	469	Level C3 Low Opiate . . . 10 x 20 mL

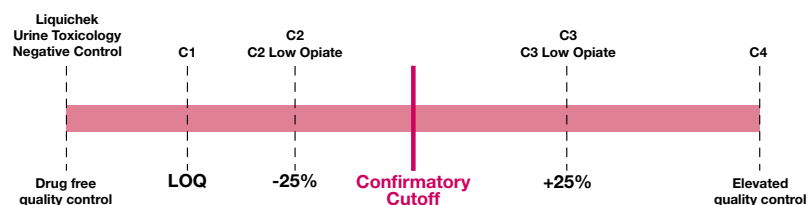
MiniPaks also available

Gravimetric Reference Values

Analytes (ng/mL)	Designed for SAMHSA* Cutoff					
	Level C1	Level C2	Level C3	Level C4	Level C2 Low Opiate	Level C3 Low Opiate
d-Amphetamine	100	188	312	750	375	625
d-Methamphetamine	100	188	312	750	375	625
3, 4-Methylenedioxymethamphetamine (MDMA)	100	188	312	750	—	—
3, 4-Methylenedioxymphetamine (MDA)	100	188	312	750	—	—
3, 4-Methylenedioxy-N-ethylamphetamine (MDEA)	100	188	312	750	—	—
Amobarbital	80	150	250	1,200	150	250
Butalbital	80	150	250	1,200	150	250
Pentobarbital	80	150	250	1,200	150	250
Phenobarbital	80	150	250	1,200	150	250
Secobarbital	80	150	250	1,200	150	250
Alpha-Hydroxylalprazolam	80	225	375	1,000	225	375
Nordiazepam	80	225	375	1,000	225	375
Oxazepam**	**	**	**	**	**	**
11-Nor-Δ-9-THC-9-COOH	6	11.5	18.5	150	11.5	18.5
Benzoylcegonine	40	75	125	300	115	185
Ethanol (mg/dL)	20	40	70	250	40	70
Lysergic Acid Diethylamide (LSD)	0.2	0.35	0.65	4.0	0.35	0.65
Methadone	120	225	375	1,000	225	375
EDDP (Methadone Metabolite)**	**	**	**	**	**	**
Methaqualone	120	225	375	1,000	225	375
6-Monoacetylmorphine**	**	**	**	**	**	**
Codeine	120	1,500	2,500	4,000	225	375
Morphine-3-β-d-Glucuronide	120	1,500	2,500	4,000	225	375
Phencyclidine (PCP)	10	19	31	100	19	31
Norpropoxyphene	120	225	375	1,000	225	375
Propoxyphene	120	225	375	1,000	225	375

*United States Substance Abuse and Mental Health Services Administration.

**Analyte present, no claims are made regarding performance or stability.



Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Lyphochek™ Drug Free Serum



- Tested by HPLC and other methods
- Found to be drug free for more than 60 therapeutic drugs and illicit compounds
- Human serum
- 3 year shelf life at 2-8°C
- 10 day reconstituted stability at 2-8°C

Ordering Information

Catalog #	Description
456	Single Level 12 x 10 mL
456X	MiniPak 1 x 10 mL

Analytes

Acetaminophen	Desipramine	Meperidine	Phenytion
Alprazolam	Desmethyldoxepin	Methadone	Primidone
Amikacin	Diazepam	Methamphetamine	Procainamide
Amitriptyline	Digitoxin	Methaqualone	Propoxyphene
Amphetamine	Digoxin	Methotrexate	Propranolol
Caffeine	Disopyramide*	Methypylon*	Pyrimidine
Cannabinoids	Doxepin	Morphine	Quinidine
Carbamazepine	Ethosuximide	N-Acetylprocainamide (NAPA)	Quinine
Chloramphenicol	Flecainide	Nicotine	Salicylate
Chlordiazepoxide	Gentamicin	Norclomipramine	Secobarbital
Cimetidine	Glutethimide	Nordiazepam	Theophylline
Clomipramine	Haloperidol	Nordoxepin	Tobramycin
Clonazepam	Hydromorphone	Nortriptyline	Trazodone
Cocaine	Ibuprofen	Oxazepam	Valproic Acid
Codeine	Imipramine	Phencyclidine (PCP)	Vancomycin
Cyclosporine	Lidocaine	Phenobarbital	
Desalkylflurazepam	Lithium	Phenothiazines	

*No claim is made for expected value or stability.

Lyphochek™ Benzo/TCA Control–Set B



- Used in conjunction with separation techniques, such as chromatography or mass spectrometry in identification and quantification of benzodiazepine and tricyclic antidepressant drugs
- Compatible with Roche COBAS INTEGRA Serum Benzodiazepines Assay for Alprazolam measurements
- Human serum based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C

Ordering Information

Catalog #	Description
663	Level 1 6 x 5 mL
664	Level 2 6 x 5 mL
665X	Bilevel MiniPak (1 of each level) 2 x 5 mL

Analytes

Alprazolam
Clomipramine
Norclomipramine
Trazodone

Clonazepam has been added to this product as a service to laboratories that wish to investigate this analyte. No claims are made regarding performance or stability.

Lyphochek™ Whole Blood Metals Control



- Contains major heavy metals of toxicological and environmental significance for whole blood analysis
- Assayed values for Lead include AA, ASV, ICP-MS and IDMS
- Human whole blood based
- 3 year shelf life at 2-8°C
- 14 day reconstituted stability at 2-8°C

Ordering Information

Catalog #	Description
527	Level 1 6 x 2 mL
528	Level 2 6 x 2 mL
529	Level 3 6 x 2 mL
528X	Trilevel MiniPak (1 of each level) 3 x 2 mL

Analytes

Arsenic
Cadmium
Lead
Mercury
Thallium

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Liquichek™ Serum Volatiles Control

- Value assigned for volatile substances by multiple methods, including GC and clinical methods (Ethanol)
- Serum based
- 3 year shelf life at 2-8°C
- 10 day open-vial stability at 2-8°C

Ordering Information

Cat #	Description
383	Level 16 x 5 mL
384	Level 26 x 5 mL
385X	Bilevel MiniPak (1 of each level)2 x 5 mL

Analytes

Acetone
Ethanol

Ethylene Glycol

Isopropanol (Isopropyl Alcohol)

Methanol (Methyl Alcohol)

Lyphocheck™ Urine Metals Control

- Supports toxicological environmental and industrial testing by providing assayed values of critical trace elements, heavy metals and organic metabolites by AA, GC-MS, HPLC and ICP-MS
- Human urine
- 3 year shelf life at 2-8°C
- 5 day reconstituted stability at 2-8°C
- 30 day reconstituted stability at -10°C to -20°C

Ordering Information

Catalog #	Description
400	Level 110 x 25 mL
405	Level 210 x 25 mL
402X	Bilevel MiniPak (1 of each level)2 x 25 mL

Analytes

5-Aminolevulinic Acid (ALA)
Aluminum
Antimony
Arsenic
Cadmium
Chromium

Cobalt
Copper
Fluoride
Hippuric Acid
Lead
Magnesium

Mandelic Acid
Manganese
Mercury
Nickel
Pentachlorophenol
Phenol

Phenylglyoxylic Acid
Selenium
Thallium
Trichloroacetic Acid
Zinc

Lyphocheck™ Whole Blood Control

- Assayed values for Red Cell Folate for common clinical methods
- Assayed values for Lead include AA, ASV, ICP-MS
- Human whole blood based
- 3 year shelf life at 2-8°C
- 2 day reconstituted stability at 2-8°C (Folate)
- 14 day reconstituted stability at 2-8°C (Lead)
- 30 day reconstituted stability at -10° to -20°C

Ordering Information

Catalog #	Description
561	Level 16 x 2 mL
562	Level 26 x 2 mL
563	Level 36 x 2 mL
560X	Trilevel MiniPak (1 of each level)3 x 2 mL

Analytes

Lead
Red Cell Folate
Serotonin*

*No claim is made for expected value or stability of this analyte.

qUAntify™ Advance Control



- Available in an easy-to-use plastic squeeze bottle
- Dipstick tests include Pregnancy and Microalbumin
- Human urine solution
- 18 month shelf life at 2-8°C
- 31 day open-vial stability at 2-25°C, including Ketones

Ordering Information

Cat #	Description
12007028	Bilevel (3 of each level) 6 x 12 mL
12007029	Bilevel MiniPak (1 of each level) 2 x 12 mL

Analytes

Albumin	Glucose	Microalbumin	Specific Gravity
Ascorbic Acid	hCG (Pregnancy)	Nitrite	Urobilinogen
Bilirubin	Hemoglobin (HGB)	pH	
Blood	Ketones	Protein (Total)	
Creatinine	Leukocytes	Protein-to-Creatinine Ratio	

qUAntify™ Plus Control



- Choose from a conical 12 mL tube or 120 mL flip top squeeze bottle
- Both options can be used for urine dipstick and microscopic testing
- Liquid
- 2 year shelf life at 2-8°C
- 31 day open-vial stability at 2-25°C for most analytes

POCT methods listed

Ordering Information

Catalog #	Description
995	Bilevel (5 of each level)/Tube 10 x 12 mL
995X	Bilevel MiniPak (1 of each level)/Tube. 2 x 12 mL
962	Bilevel (2 of each level)/Bottle 4 x 120 mL
963	Level 1/Bottle. 4 x 120 mL
964	Level 2/Bottle. 4 x 120 mL
962X	Bilevel MiniPak (1 of each level)/Bottle. 2 x 120 mL

Analytes

Albumin	Glucose	Microscopics (RBC, WBC, Crystals, Casts)	Specific Gravity
Albumin-to-Creatinine Ratio	hCG (Pregnancy)	Nitrite	Urobilinogen
Ascorbic Acid*	Hemoglobin (HGB)	pH	*Tested and found to be negative.
Bilirubin	Ketones	Protein (Total)	
Blood	Leukocytes	Protein-to-Creatinine Ratio	
Creatinine	Microalbumin		

Liquichek™ Urinalysis Control



- Ready-to-use urine control formulated to monitor the precision of dipstick and microscopic analyzers
- Available in 12 mL glass vials
- Liquid, human urine based
- 2.5 year shelf life at 2-8°C
- 30 day open-vial stability at 2-25°C

Ordering Information

Catalog #	Description
435	Bilevel (6 of each level) 12 x 12 mL
436	Level 1 12 x 12 mL
437	Level 2 12 x 12 mL
435X	Bilevel MiniPak (1 of each level) 2 x 12 mL

Analytes

Bilirubin	Glucose	Microscopics (RBC, WBC, Crystals, Casts)	Protein (Total)
Blood	hCG (Pregnancy)	Nitrite	Protein-to-Creatinine Ratio
Clarity	Ketones	Osmolality	Specific Gravity
Color	Leukocytes	pH	Urobilinogen
Creatinine	Microalbumin		

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

Dispenser Tips for Screw Caps



- For controls fitted with a screw cap closure
- Disposable plastic tips enable fluid delivery directly from glass vial
- Reduces risk of product contamination that may be introduced via pipetting
- Easy and convenient to use

Ordering Information

Catalog #	Description
987000	Dispenser Tips for Screw Caps 100/Package

Validated for use with Liquichek Therapeutic Drug Monitoring Control (TDM) (catalog numbers 724-727 and 724X), Liquid Assayed Multiquel (catalog numbers 694-696 and 695X), Liquid Unassayed Multiquel (catalog numbers 697-699 and 698X) and Lyphocheck Immunology Plus Control (catalog numbers 430, 430X).

Dispenser Tips for Crimp Seals



- For controls fitted with a metal crimp seal and stopper
- Plastic tips allow the glass vial to be used as a dropper bottle
- Easy and convenient to use

Ordering Information

Catalog #	Description
588	Dispenser Tips for Crimp Seals 50/Package

Please use with caution; Cannabinoid Metabolites may bind to certain types of plastic and glass.

Blood Gas Ampule Breaker



- Designed to reduce the risk of injury when opening blood gas ampules
- Easy and convenient to use
- Reusable

Ordering Information

Catalog #	Description
587	Blood Gas Ampule Breaker 1 each

Quality Control Tray

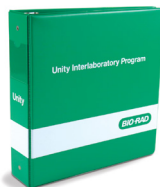


- 28-position durable acrylic tray to prepare or transport controls
- Accommodates up to 10 large and 18 standard sized control vials or dropper bottles
- Dimensions: 10" x 9.5" x 1.25" (25.4 cm x 24.1 cm x 3.2 cm)

Ordering Information

Catalog #	Description
12000846	Quality Control Tray 1 unit

Unity™ Binder



- Keep your Unity Interlaboratory Program reports organized and readily available
- 2 inch Capacity
- 3-Ring for Letter Size (8.5 x 11 inches)
- Monthly Tabs Provided

To request a binder, please call your local Bio-Rad office

Control Analyte Index

www.bio-rad.com/qualitycontrol

See page number

- Analyte present
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3-Methoxytyramine																															
5-Aminolevulinic Acid (ALA)																															
5-HIAA																															
6-Monoacetylmorphine						■																									
11-Ketoetiocolanolone																															
11-Nor-Δ-9-THC-9-COOH						●																									
11-Ketoandrosterone																															
11-Deoxycortisol																											▲	●			
11-β-Hydroxy-Androsterone																															
11-β-Hydroxy-Etiocholanolone																															
17-α-Hydroxyprogesterone																											▲	●			
17-Hydroxycorticosteroids																															
17-Ketosteroids																															
25-Hydroxy Vitamin D						●																					▲	○	●		
α-1-Acid Glycoprotein						●						○																		●	
α-1-Antitrypsin						○				○	○	○																		●	
α-1-Globulin						○					○																				
α-2-Globulin						○					○																				
α-2-Macroglobulin																														●	
αHBDH										□	□	□																			
β-2-Microglobulin						●						○																	●	●	
β-Globulin						○																									
β-hCG						●																									
γ-Globulin						○					○																				
Acetaminophen						●				●	●	●																●	●	●	
Acetone																															
Acid Phosphatase (Total)						●				●	●	●																			
ACTH																											●		●		
Activated Partial Thromboplastin Time (APTT)																											●				
ADH																											▲				
ADNase B																														●	
ALA																															
Albumin						●				●	●	●																		●	
Albumin (BCG)						●																									
Albumin (BCP)						●																									
Albumin-to-Creatinine Ratio																															
Albumin-to-Globulin Ratio						○																									
Alcohol (Ethanol)						●					●	●																●			
Alcohol (Isopropanol)																															
Alcohol (Methanol)																															
Aldolase																															
Aldosterone																											●	●	●		
Alkaline Phosphatase (ALP)						●				●	●	●																			
Alpha-Hydroxyalprazolam						●																									
Alphafetoprotein (AFP)						●				○																		●		●	●
Alprazolam																												●			
ALT/SGPT						●				●	●	●																			
Aluminum																															
Amikacin						●					●	●																	●	●	●
Amiodarone																												▲	▲		
Amitriptyline																												▲	●		
Ammonia						●																						●			

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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqual (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals	
										●																				3-Methoxytyramine	
										●																●				5-Aminolevulinic Acid (ALA)	
							●			●																				5-HIAA	
										▲																				6-Monoacetylmorphine	
										▲																				11-Ketoetiocholanolone	
										▲																				11-Nor-Δ-9-THC-9-COOH	
										▲																				11-Ketoandrosterone	
										▲																				11-Deoxycortisol	
										▲																				11-β-Hydroxy-Androsterone	
										▲																				11-β-Hydroxy-Etiocholanolone	
										▲																				17-α-Hydroxyprogesterone	
										▲																				17-Hydroxycorticosteroids	
										▲																				17-Ketosteroids	
														●	●															25-Hydroxy Vitamin D	
●																														α-1-Acid Glycoprotein	
●																						○	○							α-1-Antitrypsin	
																															α-1-Globulin
																															α-2-Globulin
●																															α-2-Macroglobulin
																						▲	□	□							αHBDH
●																			●	●											β-2-Microglobulin
																		●													β-Globulin
																															β-hCG
																		●													γ-Globulin
																		●			●	●	●								Acetaminophen
													●									●	●	●							Acetone
																				●		●	●	●							Acid Phosphatase (Total)
																															ACTH
																															Activated Partial Thromboplastin Time (APTT)
																															ADH
																															ADNase B
																										●					ALA
●								●	●								●				●	●	●								Albumin
																															Albumin (BCG)
																															Albumin (BCP)
									●																						Albumin-to-Creatinine Ratio
																															Albumin-to-Globulin Ratio
													●								●										Alcohol (Ethanol)
													●																		Alcohol (Isopropanol)
													●																		Alcohol (Methanol)
																						▲									Aldolase
										●										●											Aldosterone
																					●	●	●	●							Alkaline Phosphatase (ALP)
																															Alpha-Hydroxyalprazolam
			●																●	●		○									Alphafetoprotein (AFP)
																															Alprazolam
																					●	●	●								ALT/SGPT
																										●					Aluminum
																	●	●						●							Amikacin
																		▲													Amiodarone
																		▲	●												Amitriptyline
																															Ammonia

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Control Analyte Index

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	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See InteliQ Chart	Urine Toxicology (See Product Pages)	Allergen sIgE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A ₂	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)
Amobarbital						●																								
AMP (Cyclic)																														
Amphetamines						●													▶											
Amylase					●					●	●	●																		
Amylase (Alpha)										●	●	●																		
Amylase (Pancreatic)					●					●	●	●																		
ANA, Homogeneous Pattern													●																	
Androstenedione																										●	●			
Androsterone																														
Angiotensin I																										▲	○			
Anti-CCP												○																		●
Anti-Cytomegalovirus (CMV)				●																										
Anti-HAV				●																										
Anti-HBc				●																										
Anti-HBe				●																										
Anti-HBs				●																										
Anti-HCV				●																										
Anti-HIV-1				●																										
Anti-HIV-2				●																										
Anti-HTLV-I				●																										
Anti-HTLV-I/II				●																										
Anti-HTLV-II				●																										
Anti-Mitochondrial													●																	
Anti-Mullerian Hormone								●																						
Anti-nDNA													●																	
Anti-Smooth Muscle													●																	
Anti-Thyroglobulin (Anti-Tg)				●																							▲	▲		
Anti-Thyroperoxidase (Anti-TPO)				●																							▲	▲		
Anti- <i>Treponema pallidum</i> (Syphilis)				●																										
Antimony																														
Antistreptolysin O (ASO)				●								○																		●
Antithrombin III (AT III)															●										●					●
Apolipoprotein A-1				○						○	○	○																		●
Apolipoprotein B				○						○	○	○																		●
Arsenic																														
Ascorbic Acid																														
AST/SGOT				●						●	●	●																		
Autoimmune Negative													●																	
Barbiturates					●																									
Basophils (BASO)			●																											
Benzodiazepines					●																									
Benzoyllecgonine (Cocaine Metabolite)					●																									
Bile Acids												●																		
Bilirubin																														
Bilirubin (Direct)				●						●	●	●																		
Bilirubin (Indirect)										●																				
Bilirubin (Neonatal)				●							●	●																		
Bilirubin (Total)				●						●	●	●																		
Blood																														
BNP		●		●																										
<i>Borrelia burgdorferi</i> IgG				●																										
Buprenorphine																														

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Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiquial (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals	
										▲																					Amobarbital
																															AMP (Cyclic)
																															Amphetamines
																					●	●	●		●						Amylase
																						●	●								Amylase (Alpha)
																						●	●								Amylase (Pancreatic)
																															ANA, Homogeneous Pattern
																															Androstenedione
										▲																					Androsterone
																															Angiotensin I
																															Anti-CCP
																															Anti-Cytomegalovirus (CMV)
																															Anti-HAV
																															Anti-HBc
																															Anti-HBe
																															Anti-HBs
																															Anti-HCV
																															Anti-HIV-1
																															Anti-HIV-2
																															Anti-HTLV-I
																															Anti-HTLV-I/II
																															Anti-HTLV-II
																															Anti-Mitochondrial
																															Anti-Mullerian Hormone
																															Anti-nDNA
														●																	Anti-Smooth Muscle
														●																	Anti-Thyroglobulin (Anti-Tg)
														●																	Anti-Thyroxine (Anti-TPO)
																															Anti- <i>Treponema pallidum</i> (Syphilis)
																										●					Antimony
●																															Antistreptolysin O (ASO)
	○																					○	○								Antithrombin III (AT III)
	○																														Apolipoprotein A-1
										●												○	○								Apolipoprotein B
								●	▶																	●			●		Arsenic
																															Ascorbic Acid
																						●	●	●							AST/SGOT
																															Autoimmune Negative
										▲																					Barbiturates
																															Basophils (BASO)
																															Benzodiazepines
																															Benzoylcegonine (Cocaine Metabolite)
								●	●															●							Bile Acids
																					▲	●	●								Bilirubin
																					▲	●									Bilirubin (Direct)
																						●									Bilirubin (Indirect)
																						●	●								Bilirubin (Neonatal)
																					●	●	●	●							Bilirubin (Total)
																									●						Blood
																															BNP
																															<i>Borrelia burgdorferi</i> IgG
							●																								Buprenorphine

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

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Butalbital																															
C-Peptide																															
C1 Inhibitor																															
CA 15-3																															
CA 19-9																															
CA 27.29																															
CA 50*																															
CA 72-4*																															
CA 125																															
Cadmium																															
Caffeine																															
Calcitonin																															
Calcium																															
Calcium (CPC)																															
Calcium (Ionized)																															
Cannabinoid Metabolite																															
Cannabinoids																															
Carbamazepine																															
Carbamazepine (Free)																															
CASA*																															
Casts																															
CEA																															
Cellular Hemoglobin Concentration Mean (CHCM)																															
Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)																															
Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)																															
Ceruloplasmin																															
Chlamydia trachomatis																															
Chlamydia trachomatis IgG																															
Chloramphenicol																															
Chlordiazepoxide																															
Chloride																															
Cholesterol (HDL)																															
Cholesterol (LDL)																															
Cholesterol (Total)																															
Cholinesterase																															
Chromium																															
Cimetidine																															
CK (Total)																															
CK-MB Isoenzyme																															
Clarity																															
Clomipramine																															
Clonazepam																															
Clostridium difficile (C diff.)																															
CO ₂																															
Cobalt																															
Cocaine																															
Cocaine Metabolite																															
Codeine																															
Color																															
Complement C1q																															

*International use only.

Refer to myInserTs.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number		
Immunology Plus (Lyptochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphochek)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphochek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphochek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphochek)	Unassayed Multiquial (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals			
														●																	Butalbital		
																															C-Peptide		
																															C1 Inhibitor		
																				●	●										CA 15-3		
																				●	●										CA 19-9		
																				●	●										CA 27.29		
																				●	●										CA 50*		
																				●	●										CA 72-4*		
																				●	●										CA 125		
							●										●	●								●				●	Cadmium		
																															Caffeine		
							●			●												●	●	●		●						Calcitonin	
																							●									Calcium	
																																Calcium (CPC)	
																						▲	○	●								Calcium (Ionized)	
																																Cannabinoid Metabolite	
																																Cannabinoids	
																	●	●			●	●	●									Carbamazepine	
																																Carbamazepine (Free)	
																				▲												CASA*	
									●															●								Casts	
																			●	●		○										CEA	
																																Cellular Hemoglobin Concentration Mean (CHCM)	
																																Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)	
●																																Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)	
																						○	○									Ceruloplasmin	
																																<i>Chlamydia trachomatis</i>	
																																<i>Chlamydia trachomatis</i> IgG	
																	●	●														Chloramphenicol	
																																Chlordiazepoxide	
		●					●			●						●					●	●	●		●							Chloride	
	●																				▲	●	●									Cholesterol (HDL)	
	●																					●	●	●								Cholesterol (LDL)	
	●																					●	●	●								Cholesterol (Total)	
																						○	○									Cholinesterase	
																										●							Chromium
																																	Cimetidine
																																	CK (Total)
																																	CK-MB Isoenzyme
																									●								Clarity
																																	Clomipramine
																	▲																Clonazepam
																																	<i>Clostridium difficile</i> (C diff.)
																					●	●	●									CO ₂	
																										●							Cobalt
																																	Cocaine
																																	Cocaine Metabolite
																																	Codeine
																									●								Color
▲																																	Complement C1q

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Control Analyte Index

www.bio-rad.com/qualitycontrol

See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
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- ✖ Values not for diagnostic use
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Complement C3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number
Immunology Plus (Lyphochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Liquichek)	Spinal Fluid	TDM (Liquichek)	TDM (Liquichek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Liquichek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Liquichek)	Unassayed Multiquant (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyph.)	Whole Blood Metals	
●										▲											○	○	○								Complement C3
●										●											○	○	○								Complement C4
										●																					Copper
										●																					Coproporphyrin
										●																					Cortisol
										●																					Creatine Kinase (CK)
					●			●	●	●												●	●	●	●	●					Creatinine
●	●									●																					CRP
																															Crystals
																	▲	●										●	●		Cyclosporine
																			●	●											Cyfra 21-1*
																															Cystatin C
										▲																					Cystine
																															Cytomegalovirus (CMV) IgG
																															Cytomegalovirus (CMV) IgM
																															D1 House Dust Mite (<i>D. pteronyssinus</i>)
																															D2 House Dust Mite (<i>D. farinae</i>)
																															d-Amphetamine
																															D-dimer
																															d-Methamphetamine
										▲																					Dehydroepiandrosterone (DHEA)
																															Desalkylflurazepam
																	●	●													Desipramine
																															Desmethyldoxepin
																															DHEA Sulfate
																															Diazepam
																															Digitoxin
																						●	●	●							Digoxin
																															Disopyramide
										●																					Dopamine
																															Doxepin
																															E1 Cat Dander (<i>Felis domesticus</i>)
																															E3 Horse Dander (<i>Equus caballus</i>)
																															E5 Dog Dander (<i>Canis familiaris</i>)
																															EBNA IgG
																															EBV EA-D IgG
																															Ecstasy (MDMA)
																															EDDP (Methadone Metabolite)
																															Eosinophils (EOS)
										●																					Epinephrine
																															Epstein-Barr Virus (VCA) IgG
																															Epstein-Barr Virus (VCA) IgM
																															Erythrocyte Sedimentation Rate (ESR)
														●	●																Erythropoietin (EPO)
																															Estradiol
				●																											Estradiol (Free)
										▲																					Estradiol (Total)
																															Estrogen (Total)
													●																		Ethanol
																	●	●													Ethosuximide

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Ethylene Glycol																														
Etiocholanolone																														
Everolimus																														
F1 Egg White (<i>Gallus spp.</i>)								●																						
F2 Cow Milk (<i>Bos. spp.</i>)								●																						
F13 Peanut (<i>Arachis hypogaea</i>)								●																						
Factors II, V, VII, VIII, IX, X, XI and XII																									●					
Fentanyl																														
Ferritin					○			●		○	○												●				●	●	●	●
Fibrinogen															●										●					
Flecainide																											▲	▲		
Fluoride																														
Folate					●			●																			●	●	●	
Folate (RBC)																														
Fructosamine																										□	□			
FSH					●																		●				●	●	●	
G2 Bermuda Grass (<i>Cynodon dactylon</i>)								●																						
G3 Cocksfoot/Orchard Grass (<i>Dactylis glomerata</i>)								●																						
G6 Timothy Grass (<i>Phleum pratense</i>)								●																						
Gastrin																											●			
Galectin-3		●			●																									
Gentamicin					●				●	●	●																●	●	●	
GGT					●				●	●	●																			
GLDH*									○		●																			
Globulin									○	○	□																			
Glucagon																											▲			
Glucose	●								●	●	●																			
Glucose (Hexokinase)					●																									
Glutethimide						■																								
Granulocytes (GRAN)			●																											
Haloperidol																														
Haptoglobin					○				○	○	○																			●
HAV-IgM					●																									
HBc-IgM					●																									
HBeAg					●																									
HBsAg					●																									
hCG					●																		●				●	●		
hCG (Intact)					●																									
hCG (Pregnancy)																														
hCG (Total)					●																									
hCG-β Subunit									○														●				●	●	●	
hCG-β Subunit (Free)																														
HDL Cholesterol									●	●	●																			
HE4 (Human Epididymis Protein 4)					●																									
<i>Helicobacter pylori</i> IgG					●																									
Hematocrit (HCT)				●																										
Hemoglobin (HGB)				●																										
Hemoglobin (Total)																							●							
Hemoglobin (Total Glycated)																											▲			
Hemoglobin A1																											▲			

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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number	
Immunology Plus (Lyphochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Liquichek)	Spinal Fluid	TDM (Liquichek)	TDM (Liquichek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Liquichek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Liquichek)	Unassayed Multiquial (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals		
										▲			●																		Ethylene Glycol	
																															Etiocannabinolone	
																												●			Everolimus	
																															F1 Egg White (<i>Gallus spp.</i>)	
																															F2 Cow Milk (<i>Bos. spp.</i>)	
																															F13 Peanut (<i>Arachis hypogaea</i>)	
																															Factors II, V, VII, VIII, IX, X, XI and XII	
							●																								Fentanyl	
																			●	●			○								Ferritin	
																		▲	▲												Fibrinogen	
																															Flecainide	
																										●					Fluoride	
																															Folate	
																											●				Folate (RBC)	
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																															Gastrin	
																															Galectin-3	
																		●	●		●	●	●								Gentamicin	
																					●	●	●								GGT	
																					▲	○									GLDH*	
																	●				○	○	○								Globulin	
				●				●	●	●							●				●	●	●	●	●						Glucagon	
																															Glucose	
																															Glucose (Hexokinase)	
																															Glutethimide	
																															Granulocytes (GRAN)	
																		▲	▲												Haloperidol	
●																						○	○								Haptoglobin	
																															HAV-IgM	
																															HBC-IgM	
																															HBeAg	
																															HBSAg	
			●	●				●	●	●										●	●				●	●						hCG
																				●												hCG (Intact)
								●	●	●															●	●						hCG (Pregnancy)
																				●	●											hCG (Total)
																						○										hCG-β Subunit
		●	●																													hCG-β Subunit (Free)
																					▲	●	●									HDL Cholesterol
																			●													HE4 (Human Epididymis Protein 4)
																																<i>Helicobacter pylori</i> IgG
				●																												Hematocrit (HCT)
								●	●																							Hemoglobin (HGB)
				●																												Hemoglobin (Total)
																																Hemoglobin (Total Glycated)
																																Hemoglobin A1

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Hemoglobin A1C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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www.bio-rad.com/qualitycontrol

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- ◆ Specimen validity criteria
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See page number	See page number																															
● Analyte present ○ Analyte present in endogenous levels ■ Analyte present and no claims are made regarding performance or stability □ Analyte present in endogenous levels and no claims are made regarding performance or stability ▶ Tested and found to be negative ◆ Specimen validity criteria ✱ Values not for diagnostic use ▲ No claim is made for expected value or stability	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58		
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntellIQ Chart	Urine Toxicology (See Product Pages)	Allergen sIgE	AMH	Anemia	Assayed Chemistry	Assayed Multiquel (Liquid)	Assayed Multiquel Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lypchocek)	D-dimer	Diabetes (Liquichek)	Diabetes (Lypchocek)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1C Linearity Set	Hemoglobin A ₂	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lypchocek)	Immunoassay Premium	Immunology (Liquichek)		
Lead																																
Leukocytes			●																													
Lidocaine												●							▶									●	●	●		
Lipase					●					●	●	●																				
Lipoprotein (a)					●																										●	
Lithium	●				●					●	●	●							▶									●	●	●		
Lormetazepam						●																										
LSD						●																										
Luteinizing Hormone (LH)					●																	●						●	●	●		
LYMPH (W-SCC & W-SCR)			●																													
Lymphocytes (LYMPH)			●																													
Lysergic Acid Diethylamide (LSD)						●																										
M3 Mold (<i>Aspergillus fumigatus</i>)							●																									
M6 Mold (<i>Alternaria tenuis</i>)							●																									
Magnesium	●				●					●	●	●																				
Mandelic Acid																																
Manganese																																
Marijuana Metabolite						●																										
MDA						●																										
MDEA						●																										
MDMA						●																										
Mean Corpuscular Hemoglobin (MCH)			●																													
Mean Corpuscular Hemoglobin Concentration (MCHC)			●																													
Mean Corpuscular Volume (MCV)			●																													
Mean Corpuscular Volume of Gated Red Blood Cells (MVCg)			●																													
Mean Corpuscular Volume of Reticulocytes (MCVr)			●																													
Mean Hemoglobin Content of All Gated Red Cells (CHg)			●																													
Mean Hemoglobin Content of Reticulocytes (CHr)			●																													
Mean Platelet Volume (MPV)			●																													
Meperidine*																			▶													
Mercury																																
Metanephrine																																
Metanephrine (Total)																																
Methadone						●													▶													
Methadone Metabolite (EDDP)						■																										
Methamphetamine						●													▶													
Methanol (Methyl Alcohol)																																
Methaqualone						●													▶													
Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)				●																												
Methicillin Sensitive <i>Staphylococcus aureus</i> (MSSA)				●																												
Methotrexate												●							▶													
Methyprylon																			▶													
Microalbumin					●																											
Microscopics (RBC, WBC, Crystals, Casts)																																
MID			●																													
Mitochondrial													●																			
Mixed Cell Percent (MXD)			●																													
Monocytes (MONO)			●																													
Morphine						●													▶													
Morphine (Free)						●																										

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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number		
Immunology Plus (Lyptochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphochek)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphochek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphochek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphochek)	Unassayed Multiquial (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals			
								●	●	●														●		●	●			●	Lead		
																		●	●					●							Leukocytes		
																	●	●														Lidocaine	
	○																				●	●	●								Lipase		
																	●	●			●	●	●									Lipoprotein (a)	
																		●			●	●	●									Lithium	
																																	Lormetazepam
																																	Luteinizing Hormone (LH)
																																	LSD
																																	LYMPH (W-SCC & W-SCR)
																																	Lymphocytes (LYMPH)
																																	Lysergic Acid Diethylamide (LSD)
																																	M3 Mold (<i>Aspergillus fumigatus</i>)
																																	M6 Mold (<i>Alternaria tenuis</i>)
							●			●											●	●	●		●	●							Magnesium
																										●							Mandelic Acid
																										●							Manganese
																																	Marijuana Metabolite
																																	MDA
																																	MDEA
																																	MDMA
																																	Mean Corpuscular Hemoglobin (MCH)
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																																	Mean Corpuscular Volume (MCV)
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																																	Mean Hemoglobin Content of All Gated Red Cells (CHg)
																																	Mean Hemoglobin Content of Reticulocytes (CHr)
																																	Mean Platelet Volume (MPV)
							●																										Meperidine*
										●																●						●	Mercury
										●																							Metanephrine
										●																							Metanephrine (Total)
							●																										Methadone
							●																										Methadone Metabolite (EDDP)
													●																				Methamphetamine
														●																			Methanol (Methyl Alcohol)
																																	Methaqualone
																																	Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)
																																	Methicillin Sensitive <i>Staphylococcus aureus</i> (MSSA)
																	●	●															Methotrexate
																																	Methypyrlyon
					●			●	●	●														●	●								Microalbumin
									●															●									Microscopics (RBC, WBC, Crystals, Casts)
																																	MID
																																	Mitochondrial
																																	Mixed Cell Percent (MXD)
																																	Monocytes (MONO)
																																	Morphine
																																	Morphine (Free)

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Morphine-3-β-d-Glucuronide																															
Mumps Virus IgG																															
MXD (W-MCC & W-MCR)																															
Mycoplasma pneumoniae IgG																															
Mycoplasma pneumoniae IgM																															
Myoglobin																															
N-Acetyl Procainamide (NAPA)																															
nDNA																															
Neisseria gonorrhoeae (NG or GC)																															
Netilmicin																															
Neuron Specific Enolase (NSE)*																															
NEUT (W-LCC & W-LCR)																															
NEUT X																															
NEUT Y																															
Neutrophils (NEUT)																															
Nickel																															
Nicotine																															
Nitrite																															
Non-treponemal Antibodies (Syphilitic Reagin)																															
Norclomipramine																															
Nordiazepam																															
Nordoxepin																															
Norepinephrine																															
Normetanephrine																															
Norpropoxyphene																															
Nortriptyline																															
NT-proBNP																															
Nucleated Red Blood Cells (NRBC)																															
Nucleated Red Blood Cells/100 WBC (NRBC/WBC%)																															
Oligoclonal Banding (IgG)																															
Opiates																															
Osmolality																															
Osteocalcin																															
Oxazepam																															
Oxycodone																															
PAP																															
PAPP-A																															
pCO ₂																															
PCT																															
PDW																															
Pentachlorophenol																															
Pentobarbital																															
pH																															
Phencyclidine (PCP)																															
Phenobarbital																															
Phenol																															
Phenothiazines																															
Phenylalanine																															
Phenylglyoxylic Acid																															
Phenytoin																															

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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number	
Immunology Plus (Lyptochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qUnatify Advance	qUnatify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphochek)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphochek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphochek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphochek)	Unassayed Multiqual (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals		
																															Morphine-3-β-d-Glucuronide	
																															Mumps Virus IgG	
																															MXD	
																															<i>Mycoplasma pneumoniae</i> IgG	
																															<i>Mycoplasma pneumoniae</i> IgM	
																															Myoglobin	
																	●	●													N-Acetyl Procainamide (NAPA)	
																															nDNA	
																			▲												<i>Neisseria gonorrhoeae</i> (NG or GC)	
																					●										Netilmicin	
																															Neuron Specific Enolase (NSE)*	
																															NEUT (W-LCC & W-LCR)	
																															NEUT X	
																															NEUT Y	
																															Neutrophils (NEUT)	
																										●					Nickel	
								●	●																						Nicotine	
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																															Norclomipramine	
																															Nordiazepam	
																															Nordoxepin	
										●																						Norepinephrine
										●																						Normetanephrine
																															Norpropoxyphene	
																		▲	●												Nortriptyline	
																															NT-proBNP	
																															Nucleated Red Blood Cells (NRBC)	
																	●														Nucleated Red Blood Cells/100 WBC (NRBC/WBC%)	
																															Oligoclonal Banding (IgG)	
																					○	○	●	●	●						Opiates	
										●													●	●	●						Osmolality	
																															Osteocalcin	
																															Oxazepam	
							●																						</			

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	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See InteliQ Chart	Urine Toxicology (See Product Pages)	Allergen sIgE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCA-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A ₂	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)
Phenytoin (Free)					●						●	●															▲	▲	●	
Phospholipids					●					●	●	●																		
Phosphorus					●					●	●	●																		
Plasminogen																									●					
Platelecrit (PCT)			●																											
Platelet Distribution Width (PDW)			✖																											
Platelet Volume Distribution Width (PDW)			✖																											
Platelets (PLT)			●																											
Platelets Impedance Method (PLTi)			●																											
Platelets, Optical Count (PLTo)			●																											
pO ₂	●																													
Porphyryns (Total)																														
Potassium	●				●					●	●	●																		
Prealbumin				○				○		○	○																			●
Pregnancy/hCG (Qualitative)																														
Pregnanetriol																														
Primidone																			▶								●	●	●	
Procainamide												●							▶								●	●	●	
Procalcitonin																														
Progesterone					●																	●					●	●	●	
ProGRP*					●																						●	●	●	
Prolactin					●																						●	●	●	
Properdin Factor B																													●	
Propoxyphene						●													▶											
Propranolol																			▶								●	▲		
Prostatic Acid Phosphatase (PAP)										●	■																●	●	●	
Protein (Total)																														
Protein (Total Urine)					●																									
Protein C (Functional)																									●					
Protein Electrophoresis																														
Protein S (Functional)																									●					
Protein Serum (Total)					●					●	●	●																		●
Protein-to-Creatinine Ratio																														
Prothrombin Time (PT)															●											●				
PSA (Free)					●																						●	●	●	
PSA (Total)					●					□																	●	●	●	
Pseudocholinesterase																														
PTH (Intact)																											▲			
PTH-MM																										▲				
Pyrimidine																				▶										
Quinidine												●							▶								●	▲	●	
Quinine																			▶											
RDW-SD			●																											
Red Blood Cells (RBC)			●																											
Red Blood Cells, Optical (RBCo)			●																											
Red Cell Distribution Width (RDW)			●																											
Red Cell Distribution Width-CV (RDW-CV)			●																											
Red Cell Distribution Width-SD (RDW-SD)			●																											
Red Cell Folate																														
Renin																										●				

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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number			
Immunology Plus (Lyphochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphochek)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphochek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphochek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphochek)	Unassayed Multiquial (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals				
																	●	●			○		●								Phenytoin (Free)			
										●											●	●	●		●							Phospholipids		
																					●	●	●									Phosphorus		
																																	Plasminogen	
																																	Plateletcrit (PCT)	
																																	Platelet Distribution Width (PDW)	
																																	Platelet Volume Distribution Width (PDW)	
																																	Platelets (PLT)	
																																	Platelets Impedance Method (PLTi)	
																																	Platelets, Optical Count (PLTo)	
										●																							pO ₂	
							●			●											●	●	●		●							Porphyrins (Total)		
●										●						●							○									Potassium		
										●															●								Prealbumin	
										▲																							Pregnancy/hCG (Qualitative)	
																	●	●															Pregnanetriol	
																	●	●															Primidone	
															●																		Procainamide	
																																	Procalcitonin	
																																	Progesterone	
																				●													ProGRP*	
																			●	●													Prolactin	
																				●													Properdin Factor B	
																																	Propoxyphene	
																						▲	●	▲									Propranolol	
								●	●	●						●				●	▲	●	▲		●	●							Prostatic Acid Phosphatase (PAP)	
																																	Protein (Total)	
																																	Protein (Total Urine)	
																																	Protein C (Functional)	
																						○											Protein Electrophoresis	
																																	Protein S (Functional)	
																						●	●	●									Protein Serum (Total)	
								●	●															●									Protein-to-Creatinine Ratio	
																																	Prothrombin Time (PT)	
																				●	●												PSA (Free)	
																				●	●												PSA (Total)	
																						○											Pseudocholesterase	
																																		PTH (Intact)
																																		PTH-MM
																		●	●															Pyrilamine
																																		Quinidine
																																		Quinine
																																		RDW-SD
									●																●									Red Blood Cells (RBC)
																																		Red Blood Cells, Optical (RBCo)
																																		Red Cell Distribution Width (RDW)
																																		Red Cell Distribution Width-CV (RDW-CV)
																																		Red Cell Distribution Width-SD (RDW-SD)
																											●							Red Cell Folate
																																		Renin

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See page number

- Analyte present
- Analyte present in endogenous levels
- Analyte present and no claims are made regarding performance or stability
- Analyte present in endogenous levels and no claims are made regarding performance or stability
- ▶ Tested and found to be negative
- ◆ Specimen validity criteria
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

Reticulocyte (Retic)			●																											
Retinol Binding Protein (RBP)																														●
Rheumatoid Factor					●																									●
Rubella Virus IgG				●																										
Rubella Virus IgM				●																										
Rubeola Virus (Measles) IgG				●																										
S-100*																														
Salicylate					●				●	●	●								⌋								●	●	●	
SARS-CoV-2 IgG				●																										
SARS-CoV-2 Total IgG/IgM				●																										
SCC*					●																									
Secobarbital						●														⌋										
Sedimentation Rate (ESR)																														
Selenium																														
Serotonin																														
SHBG (Sex Hormone Binding Globulin)					●																					○	▲	●		
Sirolimus																														
Smooth Muscle																														
Sodium	●				●					●	●	●																		
Somatostatin-C																												▲	○	
Sorlatomedin C					●																									
Specific Gravity						◆																								
Spun Hematocrit (Spun HCT)				●																										
Syphilis RPR				●																										
Syphilitic Reagin				●																										
T3 Birch (<i>Betula</i>)						●																								
T3 (Free)					●					○																		●	●	●
T3 (Total)					●					●	●	●																●	●	●
T3 Uptake/T-Uptake					●					●	●	●																●	●	●
T4 (Free)					●					○	●	●																●	●	●
T4 (Total)					●					●	●	●																●	●	●
T-Uptake					●																									
Tacrolimus (FK 506)																														
TBG										○																		●	○	●
Testosterone					●																							●	●	●
Testosterone (Free)																												●	●	
Thallium																														
THC Metabolite					●																									
Theophylline					●					●	●	●								⌋								●	●	●
Thrombin Time (TT)																												●		
Thyroglobulin (Tg)																													▲	○
Tobramycin					●					●	●	●								⌋								●	●	●
Total Red Blood Cell Counts in Retic Channel (Retic RBC)				●																										
<i>Toxoplasma gondii</i> IgG					●																									
<i>Toxoplasma gondii</i> IgM					●																									
Tramadol*																														
Transferrin					●				●	○	○	○																		●
Trazodone																												●		
<i>Treponema pallidum</i> (Syphilis) IgG					●																									
<i>Treponema pallidum</i> (Syphilis) IgM					●																									

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58	32	56	56	39	34	73	32	80		35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number
Immunology Plus (Lyptochek)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphochek)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphochek)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphochek)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphochek)	Unassayed Multiqual (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals	
●																															Reticulocyte (Retic)
●											●																				Retinol Binding Protein (RBP)
																															Rheumatoid Factor
																															Rubella Virus IgG
																															Rubella Virus IgM
																															Rubeola Virus (Measles) IgG
																				●											S-100*
																	●	●			●	●	●								Salicylate
																															SARS-CoV-2 IgG
																			●												SARS-CoV-2 Total IgG/IgM
																															SCC*
																															Secobarbital
												●																			Sedimentation Rate (ESR)
																										●					Selenium
																●											▲				Serotonin
																												●	●		SHBG (Sex Hormone Binding Globulin)
																															Sirolimus
							●			●						●					●	●	●		●						Smooth Muscle
														●																	Sodium
																															Somatostatin-C
														●																	Sorlatostatin C
								●	●	●															●	●					Specific Gravity
																															Spun Hematocrit (Spun HCT)
																															Syphilis RPR
																															Syphilitic Reagin
																	●				▲	○									T3 Birch (<i>Betula</i>)
																	●	●			●	●	●								T3 (Free)
																	●	●			●	●	●								T3 (Total)
																	●	●			●	●	●								T3 Uptake/T-Uptake
																	▲	●			▲	○	●								T4 (Free)
																	●	●			●	●	●								T4 (Total)
																															T-Uptake
																												●	●		Tacrolimus (FK 506)
																						○									TBG
																															Testosterone
																											●				Testosterone (Free)
																													●		Thallium
																		●	●		●	●	●								THC Metabolite
							●											●	●		●	●	●								Theophylline
																			●	●											Thrombin Time (TT)
																			●	●											Thyroglobulin (Tg)
																	●	●			●	●	●								Tobramycin
																															Total Red Blood Cell Counts in Retic Channel (Retic RBC)
																															<i>Toxoplasma gondii</i> IgG
																															<i>Toxoplasma gondii</i> IgM
							●																								Tramadol*
●																					○	○	○								Transferrin
																															Trazodone
																															<i>Treponema pallidum</i> (Syphilis) IgG
																															<i>Treponema pallidum</i> (Syphilis) IgM

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See page number

- Analyte present
- Analyte present in endogenous levels
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	104	104	105	110	112	72	60	56	55	31	30	34	61	78	37	37	38	38	78	59	32	56	39	38	37	57	52	53	57	58
	See Blood Gas Chart	See Cardiac Assessment Chart	See Hematology Chart	See Infectious Disease/Serology Chart	See IntelliQ Chart	Urine Toxicology (See Product Pages)	Allergen sIgE	AMH	Anemia	Assayed Chemistry	Assayed Multiquant (Liquid)	Assayed Multiquant Premium	Autoimmune	Benzo/TCa-Set B	Coagulation (Lyphocheck)	D-dimer	Diabetes (Liquichek)	Diabetes (Lyphocheck)	Drug Free Serum	Elevated CRP	Ethanol/Ammonia (Liquichek)	Fertility	Hemoglobin A1c Linearity Set	Hemoglobin A ₂	Hemostasis	Hypertension Markers	Immunoassay Plus (Liquichek)	Immunoassay Plus (Lyphocheck)	Immunoassay Premium	Immunology (Liquichek)
Trichloroacetic Acid						●																								
Tricyclic Antidepressants						●																								
Tricyclic Antidepressants (TCA) Screen																											●	▲	●	
Triglycerides					●					●	●	●																		
Troponin I		●			●																									
Troponin I Ultra					●																									
Troponin T		●			●																									
<i>Trypanosoma cruzi</i> (T. cruzi)				●																										
TSH					●				●	●	●	●															●	●	●	
Urea					●					●	●	●																		
Urea Nitrogen (BUN)					●					●	●	●																		
Uric Acid					●					●	●	●																		
Urobilinogen																														
Uroporphyrin																														
Valproic Acid					●					●	●	●							▶								●	●	●	
Valproic Acid (Free)																										▲	▲	▲	●	
Vancomycin					●					●		●							▶								●	●	●	
Vancomycin Resistant <i>Enterococci</i> (VRE or vanR)				●																										
Varicella Zoster Virus (VZV) IgG				●																										
Vitamin B ₁₂					●				●	○	○	○															●	●	●	
VMA																														
W6 Mugwort (<i>Artemisia vulgaris</i>)							●																							
West Nile Virus IgG				●																										
West Nile Virus IgM				●																										
White Blood Cells (WBC)			●																											
White Blood Cells Counts Measured in Perox Channel (WBPC)			●																											
Zinc					●					○	●	●																		

*International use only.

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58	32	56	56	39	34	73	32	80	80	35	59	51	79	55	55	60	70	70	54	54	32	31	30	80	35	79	79	71	71	78	See page number	
Immunology Plus (Lyphocheck)	Lipids	Maternal Serum 1st Trimester	Maternal Serum II	Meter Trax	Microalbumin	Opiate	Pediatric	qQuantify Advance	qQuantify Plus	Quantitative Urine	Rheumatoid Factor	Sedimentation Rate	Serum Volatiles	Specialty Immunoassay (Liquichek)	Specialty Immunoassay (Lyphocheck)	Spinal Fluid	TDM (Liquichek)	TDM (Lyphocheck)	Tumor Marker (Liquichek)	Tumor Marker Plus (Lyphocheck)	Unassayed Chemistry (Liquichek)	Unassayed Chemistry (Lyphocheck)	Unassayed Multiqual (Liquid)	Urinalysis (Liquichek)	Urine Chemistry (Liquichek)	Urine Metals	Whole Blood	Whole Blood Immunosuppressant (Liquid)	Whole Blood Immunosuppressant (Lyoph.)	Whole Blood Metals		
																										●					Trichloroacetic Acid	
																															Tricyclic Antidepressants	
	●																●	●				●	●	●							Tricyclic Antidepressants (TCA) Screen	
																															Triglycerides	
																															Troponin I	
																															Troponin I Ultra	
																															Troponin T	
																															<i>Trypanosoma cruzi (T. cruzi)</i>	
										●							●	●				●	●	●		●					TSH	
										●												●	●	●		●					Urea	
										●												●	●	●		●					Urea Nitrogen (BUN)	
								●	●													●	●	●		●					Uric Acid	
										●																					Urobilinogen	
																															Uroporphyrin	
																	●	●			●	●	●								Valproic Acid	
																	●	●				●	●								Valproic Acid (Free)	
																	●	●				●	●								Vancomycin	
																																Vancomycin Resistant <i>Enterococci</i> (VRE or vanR)
																																Varicella Zoster Virus (VZV) IgG
																					○	○	○								Vitamin B ₁₂	
										●																						VMA
																																W6 Mugwort (<i>Artemesia vulgaris</i>)
																																West Nile Virus IgG
																																West Nile Virus IgM
								●																●								White Blood Cells (WBC)
										▲											▲	○	●			●					White Blood Cells Counts Measured in Perox Channel (WBCP)	
																																Zinc

*International use only.

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Blood Gas Controls

	27	27	27
● Analyte present	Blood Gas	Blood Gas Plus E	Blood Gas Plus EGL
Chloride		●	●
Calcium (Ionized)		●	●
Glucose			●
Lactate (Lactic Acid)			●
Lithium			●
Magnesium			●
pCO ₂	●	●	●
pH	●	●	●
pO ₂	●	●	●
Potassium		●	●
Sodium		●	●

Cardiac Assessment Controls

	28	28	29	29	29	29
● Analyte present ■ Analyte present and no claims are made regarding performance or stability	Cardiac Advance	Cardiac Markers Plus LT	Cardiac Markers Plus	Cardiac Troponins	CK/LD Isoenzyme	Homocysteine
Albumin					●	
BNP	●	●	●			
CK (Total)		●	●		●	
CK Electrophoresis					●	
CK-MB Isoenzyme	●	●	●		●	
CRP	●	●	●			
Digitoxin	●	●	●			
Galectin-3	●					
Globulin					●	
Homocysteine	●	■	■			●
LD Electrophoresis					●	
LD-1 Isoenzyme					●	
LDH					●	
Myoglobin	●	●	●			
NT-proBNP	●	●	●			
Protein (Total)					●	
Protein Electrophoresis					●	
Troponin I	●	●	●	●		
Troponin T	●	●	●	●		

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Hematology Controls

See page number

- Analyte present
- ✖ Values not for diagnostic use
- ▲ No claim is made for expected value or stability

	46	47	48	49	50	50	46	46	47	48	49	51
	Hematology (A)	Hematology (C)	Hematology (S)	Hematology (X)	Hematology-16	Hematology-16T	Reticulocyte (A)	Reticulocyte (A-I)	Reticulocyte (C)	Reticulocyte (S)	Reticulocyte (X)	Sedimentation Rate
Basophils (BASO or BA)	●	●	●	●								
Cellular Hemoglobin Concentration Mean (CHCM)			●									
Cellular Hemoglobin Concentration Mean of Gated Red Blood Cells (CHCMg)										●		
Cellular Hemoglobin Concentration Mean of Reticulocytes (CHCMr)										●		
Eosinophils (EOS or EO)	●	●	●	●								
Erythrocyte Sedimentation Rate (ESR)												●
Granulocytes (GRAN)	●				●	●						
Hematocrit (HCT)	●	●	●	●	●	●						
Hemoglobin (HGB)	●	●	●	●	●	●						
Hemoglobin Concentration Distribution Width (HDW)			●									
Immature Reticulocyte Fraction (IRF)								●	●		●	
Large Unstained Cells (LUC)			●									
LYMPH (W-SCC & W-SCR)						●						
Lymphocytes (LYMPH or LY)	●	●	●	●	●	●						
Mean Corpuscular Hemoglobin (MCH)	●	●	●	●	●	●						
Mean Corpuscular Hemoglobin Concentration (MCHC)	●	●	●	●	●	●						
Mean Corpuscular Volume (MCV)	●	●	●	●	●	●						
Mean Corpuscular Volume of Gated Red Blood Cells (MCVg)										●		
Mean Corpuscular Volume of Reticulocytes (MCVr)										●		
Mean Hemoglobin Content of All Gated Red Cells (CHg)										●		
Mean Hemoglobin Content of Reticulocytes (CHr)										●		
Mean Platelet Volume (MPV)	●	●	●	●	●	●						
Mean Reticulocyte Volume (MRV)									●			
MID	●				●	●						
Monocytes (MONO or MO)	●	●	●	●	●							
MXD (W-MCC & W-MCR)						●						
NEUT (W-LCC & W-LCR)						●						
Neutrophils (NEUT or NE)	●	●	●	●								
NEUT X			●									
NEUT Y			●									
NRBC/100 WBC (NRBC percent of WBC Count)	●											
Nucleated Optical Count (NOC)	●											
Nucleated Red Blood Cells (NRBC)	●			▲								
Platelet Distribution Width (PDW)	✖	✖										
Plateletcrit (PCT)	✖	✖										
Platelets (PLT)	●	●	●	●	●	●						
Platelets Impedance Method (PLTi)	●											
Platelets, Optical Count (PLT-o)				▲								
Red Blood Cell Distribution Width (RDW)	●	●	●		●	●						
Red Blood Cell Distribution Width-CV (RDW-CV)				●		●						
Red Blood Cell Distribution Width-SD (RDW-SD)		●		●		●						
Red Blood Cells (RBC)	●	●	●	●	●	●		●	●		●	
Red Blood Cells, Optical (RBCo)	●											
Reticulocyte (Retic)							●	●	●	●	●	
Total Red Blood Cell Counts in Retic Channel (Retic RBC)										●		
White Blood Cells (WBC)	●	●	●	●	●	●						
White Blood Cells Counts Measured in Perox Channel (WBCP Perox)			●									
White Impedance Count (WIC)	●											
White Optical Count	●											

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See page number

Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

	14	23	16	25	25	26	14	26	23	15	18	15	26	22	18	17	22	19	18	16	17
	Positive Controls																				
	Adenovirus	Amplichek II	AMR Bundle	Anaplasma Run Control	Babesia Run Control	Bartonella Run Control	BKV	Borrelia Run Control	C. difficile Verification Bundle	CMV	CT/NG	EBV	Ehrlichia Run Control	Enterovirus Control	HBV	HBV AMR Panel	HBV, HCV & HIV-1 Screen Controls	HCV	HCV AMR Panel	HHV-6	HIV
Adenovirus																					
Anaplasma phagocytophilum				●																	
Babesia microti					●																
Bartonella quintana						●															
BKV																					
Inactivated Bordetella parapertussis																					
Inactivated Bordetella pertussis																					
Borrelia burgdorferi								●													
Inactivated Chlamydia trachomatis (CT)											●										
Inactivated Chlamydia pneumoniae																					
Clostridium difficile (C. diff.)		●																			
CMV																					
Inactivated Coronavirus 229E																					
Coronavirus HKU1 (IVT)																					
Coronavirus NL63 (IVT)																					
Inactivated Coronavirus OC43																					
EBV																					
Ehrlichia chaffeensis													●								
Enterovirus (EV) Coxsackievirus A9																					
HBsAg																					
HBV																					
HCV Antibodies																					
HCV																					
HHV-6																					
HIV-1																					
HIV-1/2 Antibodies																					
HSV-1/2																					
Human Cell Line																					
Human metapneumovirus (IVT)																					
Human Papillomavirus (HPV) Genotype 16																					
Human Papillomavirus (HPV) Genotype 18																					
Human Papillomavirus (HPV) Genotype 68																					
Inactivated Adenovirus	●																				
Inactivated BKV							●														
Inactivated C. difficile								●													
Inactivated CMV									●												
Inactivated Coxsackievirus A9														●							
Inactivated EBV												●									
Inactivated HBV			●												●	●	●				
Inactivated HCV																	●				
Inactivated HHV-6A																			●		
Inactivated HHV-6B																			●		
Inactivated HIV-1			●														●				●
Inactivated HSV-1																					
Inactivated HSV-2																					
Inactivated JCV																					
Inactivated Methicillin-resistant Staphylococcus aureus (MRSA)																					
Inactivated Methicillin-susceptible Staphylococcus aureus (MSSA)																					
Inactivated Parvovirus B19																					
Inactivated Varicella Zoster Virus (VZV)																					
Inactivated Zika Virus																					
Influenza A H1N1																					
Influenza A H1N1-2009 (IVT)																					
Influenza A H3N2 (IVT)																					

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

17	19	20	20	16	23	14	24	24	25	25	25	25	24	20	22	26	22	21	21	21	21	See page number	
Positive Controls																	Negative					Infectious Disease: Molecular Quality Controls and Standards	
HIV-1 AMR Panel	HPV	HSV-1	HSV-2	JCV	MRSA Verification Bundle	Parvovirus B19	RP Positive & Negative Run Controls	SARS-CoV-2	SARS-CoV-2 S Gene Alpha Variant	SARS-CoV-2 S Gene Beta Variant	SARS-CoV-2 S Gene Delta-Kappa Variant	SARS-CoV-2 S Gene Epsilon Variant	SARS-CoV-2 S Gene Gamma Variant	SARS-CoV-2, Flu, RSV Run Control	TV/NG	VZV	ZKV	Ampliquek II	EDX Negative	HAI Negative Run Control	Synthetic Negative Run Control		STI Negative Run Control
																							Adenovirus
																							Anaplasma phagocytophilum
																							Babesia microti
																							Bartonella quintana
																							BKV
							●													■			Inactivated Bordetella parapertussis
							●																Inactivated Bordetella pertussis
																						■	Borrelia burgdorferi
							●															■	Inactivated Chlamydia trachomatis (CT)
																							Inactivated Chlamydia pneumoniae
																		■		■			Clostridium difficile (C. diff.)
																				■			CMV
							●																Inactivated Coronavirus 229E
							●																Coronavirus HKU1 (IVT)
							●																Coronavirus NL63 (IVT)
							●																Inactivated Coronavirus OC43
																				■			EBV
																						■	Ehrlichia chaffeensis
																						■	Enterovirus (EV) Coxsackievirus A9
																				■			HBsAg
																				■			HBV
																				■			HCV Antibodies
																				■			HCV
																				■			HHV-6
																				■			HIV-1
																				■		■	HIV-1/2 Antibodies
																				■			HSV-1/2
																							Human Cell Line
							●																Human metapneumovirus (IVT)
	●																						Human Papillomavirus (HPV) Genotype 16
	●																						Human Papillomavirus (HPV) Genotype 18
	●																						Human Papillomavirus (HPV) Genotype 68
							●																Inactivated Adenovirus
																							Inactivated BKV
																							Inactivated C. difficile
																							Inactivated CMV
																							Inactivated Coxsackievirus A9
																							Inactivated EBV
																							Inactivated HBV
																							Inactivated HCV
																							Inactivated HHV-6A
																							Inactivated HHV-6B
●																							Inactivated HIV-1
		●																					Inactivated HSV-1
			●																				Inactivated HSV-2
				●																			Inactivated JCV
					●																		Inactivated Methicillin-resistant Staphylococcus aureus (MRSA)
						●																	Inactivated Methicillin-susceptible Staphylococcus aureus (MSSA)
							●																Inactivated Parvovirus B19
															●								Inactivated Varicella Zoster Virus (VZV)
																●							Inactivated Zika Virus
								●									●						Influenza A H1N1
								●															Influenza A H1N1-2009 (IVT)
								●															Influenza A H3N2 (IVT)

Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

	14	23	16	25	25	26	14	26	23	15	18	15	26	22	18	17	22	19	18	16	17
	Positive Controls																				
	Adenovirus	Amplichek II	AMR Bundle	Anaplasma Run Control	Babesia Run Control	Bartonella Run Control	BKV	Borrelia Run Control	C. difficile Verification Bundle	CMV	CT/NG	EBV	Ehrlichia Run Control	Enterovirus Control	HBV	HBV AMR Panel	HBV, HCV & HIV-1 Screen Controls	HCV	HCV AMR Panel	HHV-6	HIV
Influenza A-H1N1																					
Influenza B																					
JC Virus																					
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)		●																			
Methicillin-sensitive <i>Staphylococcus aureus</i> (MSSA)		●																			
Middle Eastern Respiratory Syndrome (IVT)																					
<i>Mycoplasma genitalium</i>																					
<i>Mycoplasma pneumoniae</i>																					
<i>Neisseria gonorrhoeae</i> (NG)											●										
Parainfluenza 1																					
Parainfluenza 2																					
Parainfluenza 3																					
Parainfluenza 4																					
Recombinant HCV			●															●	●		
Respiratory Syncytial Virus (A)																					
Respiratory Syncytial Virus (B)																					
Rhinovirus																					
SARS-CoV-2 (Whole Virus)																					
SARS-CoV-2 Genes (E, N, ORF1ab, RdRP, S)																					
SARS-CoV-2, Synthetic RNA Transcript: Alpha Variant (B.1.1.7)																					
SARS-CoV-2, Synthetic RNA Transcript: Beta Variant (B.1.351)																					
SARS-CoV-2, Synthetic RNA Transcript: Delta-Kappa Variants (B.1.617.1, B.1.617.2 and AY sublineages, B.1.617.3)																					
SARS-CoV-2, Synthetic RNA Transcript: Epsilon Variant (B.1.427, B.1.429)																					
SARS-CoV-2, Synthetic RNA Transcript: Gamma Variant (P.1)																					
<i>Trichomonas vaginalis</i>																					
Vancomycin-resistant <i>Enterococci</i> (VRE or vanR)		●																			
VZV																					
Zika Virus																					

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17	19	20	20	16	23	14	24	24	25	25	25	25	25	24	20	22	26	22	21	21	21	21	See page number
Positive Controls																		Negative					
HIV-1 AMR Panel	HPV	HSV-1	HSV-2	JCV	MRSA Verification Bundle	Parvovirus B19	RP Positive & Negative Run Controls	SARS-CoV-2	SARS-CoV-2 S Gene Alpha Variant	SARS-CoV-2 S Gene Beta Variant	SARS-CoV-2 S Gene Delta-Kappa Variant	SARS-CoV-2 S Gene Epsilon Variant	SARS-CoV-2 S Gene Gamma Variant	SARS-CoV-2, Flu, RSV Run Control	TV/NG	VZV	ZKV	Amplichek II	EDX Negative	HAI Negative Run Control	Synthetic Negative Run Control	STI Negative Run Control	
							●							●									Influenza A-H1N1
							●							●									Influenza B
																			■				JC Virus
																		■		■			Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)
							●											■		■			Methicillin-sensitive <i>Staphylococcus aureus</i> (MSSA)
							●																Middle Eastern Respiratory Syndrome (IVT)
							●								●								<i>Mycoplasma genitalium</i>
							●																<i>Mycoplasma pneumoniae</i>
							●															■	<i>Neisseria gonorrhoeae</i> (NG)
							●																Parainfluenza 1
							●																Parainfluenza 2
							●																Parainfluenza 3
							●																Parainfluenza 4
							●							●									Recombinant HCV
							●																Respiratory Syncytial Virus (A)
							●																Respiratory Syncytial Virus (B)
							●																Rhinovirus
							●							●									SARS-CoV-2 (Whole Virus)
								●															SARS-CoV-2 Genes (E, N, ORF1ab, RdRP, S)
									●														SARS-CoV-2, Synthetic RNA Transcript: Alpha Variant (B.1.1.7)
										●													SARS-CoV-2, Synthetic RNA Transcript: Beta Variant (B.1.351)
											●												SARS-CoV-2, Synthetic RNA Transcript: Delta-Kappa Variants (B.1.617.1, B.1.617.2 and AY sublineages, B.1.617.3)
												●											SARS-CoV-2, Synthetic RNA Transcript: Epsilon Variant (B.1.427, B.1.429)
													●										SARS-CoV-2, Synthetic RNA Transcript: Gamma Variant (P.1)
														●									<i>Trichomonas vaginalis</i>
															●			■					Vancomycin-resistant <i>Enterococci</i> (VRE or vanR)
																			■				VZV
																			■				Zika Virus

See page number

Infectious Disease: Molecular Quality Controls and Standards

- Analyte present
- Negative for analyte

See page number

Infectious Disease: Serology Controls

- Analyte present
- Negative for analyte

	62	62	62	63	66	67	69	68	68	64	64	63	64	64	62	62	63	63
	Positive Controls																	
	Assayed VIRO TROL I-C	Assayed VIRO TROL I-E	Assayed VIRO TROL I-F	Assayed VIRO TROL II-B	Liq. TORCH Plus	PneumoTrol	PyloriTrol	VIRO TROL Chagas	VIRO TROL EBV	VIRO TROL HAV-IgM	VIRO TROL HBeAg	VIRO TROL HIV-1 Ag	VIRO TROL HIV-1 gO	VIRO TROL HIV-2	VIRO TROL I	VIRO TROL II	VIRO TROL III	VIRO TROL IV
Anti-Cytomegalovirus (Anti-CMV)	●	●	●												●			
Anti-HAV				●												●	●	
Anti-HBc	●	●	●												●			
Anti-HBe																		●
Anti-HBs				●												●		
Anti-HCV	●	●	●												●			
Anti-HIV-1	●	●	●												●			
Anti HIV-1/2																		
Anti-HIV-1 gO												●						
Anti-HIV-2													●					
Anti-HTLV-I	●	●	●												●			
Anti-HTLV-I/II																		
Anti-HTLV-II																		
Anti- <i>Treponema pallidum</i> (Syphilis)																		
Anti- <i>Trypanosoma cruzi</i> (<i>T. cruzi</i>)								●										
<i>Borrelia burgdorferi</i> IgG																		
<i>Chlamydia trachomatis</i> IgG						●												
Cytomegalovirus (CMV) IgG					●													
Cytomegalovirus (CMV) IgM																		
EBNA IgG									●									
EBV EA-D IgG																		
Epstein-Barr Virus (VCA) IgG					●				●									
Epstein-Barr Virus (VCA) IgM									●									
HAV-IgM										●							●	
HBc-IgM																	●	
HBeAg											●							
HBsAg	●	●	●												●			
<i>Helicobacter pylori</i> IgG					●		●											
Herpes Simplex Virus Type 1 (HSV-1) IgG					●													
Herpes Simplex Virus Type 1 (HSV-1) IgM																		
Herpes Simplex Virus Type 2 (HSV-2) IgG					●													
Herpes Simplex Virus Type 2 (HSV-2) IgM																		
HIV-1 Ag												●						
Measles Virus (Rubeola) IgG																		
Mumps Virus IgG																		
<i>Mycoplasma pneumoniae</i> IgG						●												
<i>Mycoplasma pneumoniae</i> IgM						●												
Non-treponemal Antibodies (Syphilitic Reagin)																		
Rubella Virus IgG					●													
Rubella Virus IgM																		
SARS-CoV-2 Total IgG/IgM and SARS-CoV-2 IgG																		
Syphilis RPR					●													
<i>Toxoplasma gondii</i> IgG					●													
<i>Toxoplasma gondii</i> IgM																		
<i>Treponema pallidum</i> (Syphilis) IgG					●													
<i>Treponema pallidum</i> (Syphilis) IgM																		
Varicella Zoster Virus (VZV) IgG					●													
West Nile Virus IgG & West Nile Virus IgM																		

Refer to myelinserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

See page number

Infectious Disease: Serology Controls

- Analyte present
■ Negative for analyte



See page number

- Analyte available
- Analyte present in endogenous levels

Test Menu	Analytes	9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquant	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
Anemia	Ceruloplasmin	○							●			
	Erythropoietin (EPO)									●		
	Ferritin	○						●	●		●	
	Folate							●				
	Vitamin B ₁₂	○						●				
Bone Metabolism	25-Hydroxy Vitamin D									●		
	Intact PTH									●		
	Osteocalcin									●		
Cancer/Oncology	α-Fetoprotein (AFP)							●			●	
	CA 15-3										●	
	CA 19-9										●	
	CA 27.29										●	
	CA 72-4*										●	
	CA 125										●	
	Carcinoembryonic Antigen (CEA)							●			●	
	Cyfra 21-1*										●	
	HE4										●	
	HER-2/neu										●	
	PAP										●	
	ProGRP*										●	
	PSA (Free)							●			●	
	PSA (Total)							●			●	
	SCC*										●	
Cardiac	Thyroglobulin										●	
	BNP		●	●								
	CK (Total)			●								
	CK-MB Isoenzyme		●	●				●				
	CRP		●	●								
	Galectin-3		●									
	Myoglobin		●	●								
	NT-proBNP		●	●								
Diabetes	Troponin I**		●	●								
	Troponin T		●	●								
	C-Peptide				●					●		
Fertility/Pregnancy	Hemoglobin A1C											
	Insulin							●				
	Androstenedione							●				
	DHEA-S							●				
	Estradiol							●				
	Estriol (Free)							●				
	FSH							●				
	hCG (Total)							●			●	
	LH							●				
	Pregnancy/hCG (Qualitative)											●
	Progesterone							●				
	Prolactin							●			●	
	SHBG (Sex Hormone Binding Globulin)							○				
	Testosterone							●				

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InteliQ™

See page number

● Analyte available

○ Analyte present in endogenous levels

Test Menu

Analytes

		9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquant	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
General Chemistry	α-1-Antitrypsin	○										
	α-1-Globulin	○										
	α-2-Globulin	○										
	β-Globulin	○										
	γ-Globulin	○										
	γ-Glutamyltransferase (GGT)	●										
	Acid Phosphatase (Total)	●										
	Albumin	●							●			
	Albumin-to-Globulin Ratio	○										
	Alkaline Phosphatase	●										
	ALT/SGPT	●										
	Ammonia					●						
	Amylase	●										●
	Amylase (Pancreatic)	●										
	AST/SGOT	●										
	Bilirubin (Direct)	●										
	Bilirubin (Neonatal)	●										
	Bilirubin (Total)	●										
	Calcium	●										●
	Calcium (Ionized)	●										
	Carbon Dioxide (CO ₂)	●										
	Chloride	●										●
	Cholesterol (HDL)	●										
	Cholesterol (LDL)	●										
	Cholesterol (Total)	●										
	Cholinesterase	○										
	Copper	○										
	Creatine Kinase (CK)	●		●								
	Creatinine	●										●
	Glucose	●										●
	Iron	●						○				
	Iron (TIBC)	○										
	Iron (UIBC)	○										
	Lactate (Lactic Acid)	●										
	Lactate Dehydrogenase (LDH)	●										
	LAP Arylamidase	●										
	Lipase	●										
	Magnesium	●										●
	Microalbumin											●
	Osmolality	●										●
	Phospholipids	●										
	Phosphorus	●										●
	Potassium	●										●
	Protein (Total)											●
	Sodium	●										●
	Triglycerides	●										
	Urea	●										●
	Urea Nitrogen (BUN)	●										●
	Uric Acid	●										●

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See page number

- Analyte available
○ Analyte present in endogenous levels

Test Menu	Analytes	9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquant	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
Growth	Insulin Growth Factor I (IGF-I)/Somatomedin C									●	●	
	hGH							●				
Inflammation	Antistreptolysin O (ASO)								●			
	CRP			●					●			
	Immunoglobulin E (IgE)							●	●			
Metabolic	Cortisol	●						●				●
	Homocysteine		●				●					
Therapeutic Drug Monitoring	Amikacin	●						●				
	Caffeine							●				
	Carbamazepine	●						●				
	Digitoxin		●	●								
	Digoxin	●						●				
	Gentamicin	●						●				
	Lidocaine							●				
	Lithium	●						●				
	NAPA							●				
	Phenobarbital	●						●				
	Phenytoin	●						●				
	Primidone							●				
	Procainamide							●				
	Quinidine							●				
	Theophylline	●						●				
	Tobramycin	●						●				
	Valproic Acid	●						●				
	Vancomycin							●				
Thyroid	Anti-Thyroglobulin (Anti-Tg)									●		
	Anti-Thyroperoxidase (Anti-TPO)									●		
	T3 (Free)							●				
	T3 (Total)	●						●				
	T3 Uptake/T Uptake	●						●				
	T4 (Free)	●						●				
	T4 (Total)	●						●				
	Thyroglobulin										●	
	Thyroid Stimulating Hormone (TSH)	●						●				
Toxicology: DOA	Thyroxine Binding Globulin (TBG)							●				
	Acetaminophen	●						●				
	Ethanol	●				●						
	Salicylate	●						●				
	Tricyclic Antidepressants (TCA)							●				
	Zinc	●										

Refer to myelnserts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

InteliQ™

See page number

- Analyte available
○ Analyte present in endogenous levels

Test Menu

Analytes

		9	9	10	10	10	11	11	11	12	12	12
		InteliQ Assayed Multiquel	InteliQ Cardiac Advance	InteliQ Cardiac Markers Plus LT	InteliQ Diabetes	InteliQ Ethanol/Ammonia	InteliQ Homocysteine	InteliQ Immunoassay Plus	InteliQ Immunology	InteliQ Specialty Immunoassay	InteliQ Tumor Marker	InteliQ Urine Chemistry
Specific Proteins	α-1-Acid Glycoprotein (AAG)								●			
	α-1-Antitrypsin (AAT)	○							●			
	α-2-Macroglobulin								●			
	ADNase B								●			
	Anti-Cyclic Citrullinated Peptide (Anti-CCP)								●			
	Antithrombin III (AT III)								●			
	Apolipoprotein A-1	○							●			
	Apolipoprotein B	○							●			
	β-2-Microglobulin								●		●	
	C1 Inhibitor								●			
	Complement C3	○							●			
	Complement C4	○							●			
	Cystatin C								○			
	Haptoglobin	○							●			
	IgG Subclass 1								●			
	IgG Subclass 2								●			
	IgG Subclass 3								●			
	IgG Subclass 4								●			
	Immunoglobulin A (IgA)	○						○	●			
	Immunoglobulin G (IgG)	○						○	●			
	Immunoglobulin M (IgM)	○						○	●			
	Kappa Light Chain								●			
	Lambda Light Chain								●			
	Lipoprotein (a)								●			
	pH											●
	Prealbumin	○							●			
	Properdin Factor B								●			
	Protein Serum (Total)	●							●			
	Retinol Binding Protein (RBP)								●			
	Rheumatoid Factor								●			
	Specific Gravity											●
	Transferrin	○							●			

See page number

QC Products in Compact Vials

- Analyte available
- Analyte present in endogenous levels

	30	28	28	38	32	52	58	33	60	54	35
	Assayed Multiquant (Liquid)	Cardiac Advance	Cardiac Markers Plus LT (Liquichek)	Diabetes (Liquichek)	Ethanol/Ammonia (Liquichek)	Immunosay Plus (Liquichek)	Immunology (Liquichek)	Pediatric (Liquichek)	Spinal Fluid (Liquichek)	Tumor Marker (Liquichek)	Urine Chemistry (Liquichek)
α-1-Acid Glycoprotein							●				
α-1-Antitrypsin	○						●				
α-2-Macroglobulin							●				
β-2-Microglobulin							●			●	
Acetaminophen	●					●					
Albumin	●						●		●		
Alcohol (Ethanol)	●				●						
Alkaline Phosphatase (ALP)	●										
Alpha-fetoprotein (AFP)						●				●	
ALT/SGPT	●										
Amikacin						●					
Ammonia					●						
Amylase	●										●
Antistreptolysin O (ASO)							●				
Apolipoprotein A-1	○						●				
Apolipoprotein B	○						●				
AST/SGOT	●										
Bilirubin (Direct)	●							●			
Bilirubin (Total)	●							●			
BNP		●									
C1 Inhibitor							●				
CA 15-3										●	
CA 19-9										●	
CA 125										●	
Caffeine						●		●			
Calcium	●							●			●
Carbamazepine	●					●					
CEA						●				●	
Ceruloplasmin	○						●				
Chloride	●							●	●		●
Cholesterol (HDL)	●										
Cholesterol (LDL)	●										
Cholesterol (Total)	●										
Cholinesterase	○										
CK (Total)			●								
CK-MB Isoenzyme		●	●			●					
CO ₂	●										
Complement C3	○						●				
Complement C4	○						●				
Creatine Kinase (CK)	●										
Creatinine	●										●
CRP		●	●				●				
Cystatin C							●				
Digitoxin		●	●								
Digoxin	●					●					
Estradiol						●					
Ethanol	●				●						
Ferritin	○					●	●			●	
Folate						●					
FSH						●					
Galectin-3		●									
Gentamicin	●					●					
GGT	●										
Glucose	●							●	●		●

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See page number

QC Products in Compact Vials

● Analyte available

○ Analyte present in endogenous levels

	30	28	28	38	32	52	58	33	60	54	35
	Assayed Multiquant (Liquid)	Cardiac Advance	Cardiac Markers Plus LT (Liquichek)	Diabetes (Liquichek)	Ethanol/Ammonia (Liquichek)	Immunassay Plus (Liquichek)	Immunology (Liquichek)	Pediatric (Liquichek)	Spinal Fluid (Liquichek)	Tumor Marker (Liquichek)	Urine Chemistry (Liquichek)
Haptoglobin	○						●				
hCG										●	
hCG-β Subunit						●					
Hemoglobin A1C				●							
Homocysteine		●									
Immunoglobulin A (IgA)	○					○	●				
Immunoglobulin E (IgE)						●	●				
Immunoglobulin G (IgG)	○					○	●		●		
Immunoglobulin G Subclasses 1–4							●				
Immunoglobulin M (IgM)	○					○	●				
Iron	●					○					
Iron (TIBC)	○										
Kappa Light Chain							●				
Lactate (Lactic Acid)	●								●		
Lactate Dehydrogenase (LDH)	●								●		
Lambda Light Chain							●				
Lidocaine						●					
Lipase	●										
Lithium	●					●					
Luteinizing Hormone (LH)						●					
Magnesium	●							●			●
Microalbumin											●
Myoglobin		●	●								
N-Acetylprocainamide (NAPA)						●					
NT-proBNP		●	●								
Phenobarbital	●					●					
Phenytoin	●					●					
Phosphorus	●										●
Potassium	●							●			●
Prealbumin	○						●				
Procainamide						●					
Prolactin						●				●	
Protein (Total)	●						●		●		●
PSA						●				●	
PSA (Free)						●				●	
Retinol Binding Protein (RBP)							●				
Rheumatoid Factor							●				
Salicylate	●					●					
Sodium	●							●	●		●
T3 (Free)						●					
T3 (Total)	●					●					
T3 Uptake/T Uptake	●					●					
T4 (Free)	●					●					
T4 (Total)	●					●					
Theophylline	●					●		●			
Tobramycin	●					●					
Transferrin	○						●				
Tricyclic Antidepressants (TCA)						●					
Triglycerides	●										
Troponin I		●	●								
TSH	●					●					
Urea Nitrogen (BUN)	●										●
Uric Acid	●										●
Valproic Acid	●					●					

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	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunology (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	TORCH/EBV/MuM/Z	Urinalysis	Urine Chemistry
5-Hydroxyindoleacetic Acid (HIAA)																	●
11-Deoxycortisol										●							
17- α -OH-Progesterone										●							
25-OH Vitamin D										●							
α -1 Acid Glycoprotein												●					
α -1 Antitrypsin												●					
α -2 Macroglobulin												●					
β -2 Microglobulin										●		●					
ABO Group		●															
Acetaminophen														●			
Acid Phosphatase (Total)				●													
ACTH										●							
Alanine Aminotransferase (ALT/SGPT)				●													
Albumin				●								●				●	
Albumin-to-Creatinine Ratio																●	
Aldosterone										●							
Alkaline Phosphatase (ALP)				●													
Alphafetoprotein (AFP)										●							
Amikacin														●			
Amitriptyline														●			
Ammonia						●											
Amylase (Pancreatic)				●													
Amylase (Total)				●													
Androstenedione										●							
Angiotensin Converting Enzyme (ACE)										●							
Anti-HAV									●								
Anti-HBc									●								
Anti-HBe									●								
Anti-HBs									●								
Anti-HCV									●								
Anti-HIV-1									●								
Anti-HIV-1/2									●								
Anti-HIV-2									●								
Anti-HTLV-I									●								
Antibody Identification		●															
Antibody Screen		●															
Antigen Typing		●															
Antistreptolysin O (ASO)												●					
Antithrombin III (ATIII)					●												
Apolipoprotein A-1											●						
Apolipoprotein B											●						
APTT					●												
Aspartate Aminotransferase (AST/SGOT)				●													
Bile Acids				●													
Bilirubin				●												●	
Bilirubin (Direct)				●													
Bilirubin (Indirect)				●													
Bilirubin (Total)				●													
Blood/Hemoglobin																●	
BNP			●														
C-Peptide										●							
C-Reactive Protein (CRP)												●					
CA 15-3										●							
CA 19-9										●							
CA 27.29										●							
CA 125										●							
Caffeine														●			
Calcitonin										▸							
Calcium (Ionized)	●			●													

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- Analyte present
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	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunology (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	TorCH/EBV/MuMZ	Urinalysis	Urine Chemistry
Calcium (Total)				●													●
Carbamazepine										●				●			
Carbon Dioxide (CO ₂)				●													
Carcinoembryonic Antigen (CEA)										●							
Ceruloplasmin												●					
Chloride	●			●													●
Cholesterol (HDL)				●							●						
Cholesterol (LDL)				●							●						
Cholesterol (Total)				●							●						
Cholinesterase				●													
CK-MB			●														
Compatibility (Cross-match)		●															
Complement C3												●					
Complement C4												●					
Copper				●													
Cortisol				●						●							
Cortisol (Free)																	●
Creatine Kinase (CK)				●													
Creatinine				●												●	●
Cyclosporine														●			
Cytomegalovirus (CMV) IgG															●		
Cytomegalovirus (CMV) IgM															●		
DAT (Direct Antiglobulin Test)		●															
D-dimer			●		●												
DHEA										●							
DHEA Sulfate										●							
Digoxin										●				●			
Dopamine																	●
Epinephrine																	●
Epstein-Barr Virus (EBNA) IgG															●		
Epstein-Barr Virus (VCA) IgG															●		
Epstein-Barr Virus (VCA) IgM															●		
Estradiol										●							
Estradiol, Free (UE _s)										●							
Ethanol						●											
Ethosuximide														●			
Factor VIII					●												
Ferritin										●							
Fibrinogen					●												
Folate										●							
Follicle Stimulating Hormone (FSH)										●							
Fructosamine										●							
Gamma Glutamyltransferase (GGT)				●													
Gastrin										●							
Gentamicin														●			
Glucose	●			●												●	●
Haptoglobin												●					
HAV IgG									●								
HAV IgM									●								
HBc IgM									●								
HBeAg									●								
HBSAg									●								
hCG										●							
Hematocrit (HCT)							●										
Hemoglobin A1C								●									
Hemoglobin A ₂								●									
Hemoglobin							●										
Hemoglobin (Total Glycated)								●									
Herpes Simplex Virus (HSV-1) IgG															●		

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EQAS™ Programs

See page number

- Analyte present
 ▸ Pilot analyte

	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunoassay (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	TORCH/EBV/MuMZ	Urinalysis	Urine Chemistry
Herpes Simplex Virus (HSV-1/2) IgG															●		
Herpes Simplex Virus (HSV-2) IgG															●		
hGH										●							
HIV-1 Ag									●								
Homocysteine			●														
Homovanillic Acid (HVA)																	●
hs-CRP			●														
IgA												●					
IgE										●		●					
IgG												●					
IgM												●					
INR					●												
Insulin										●							
Intact PTH										●							
Iron				●													
Iron Binding Capacity, Total (TIBC)				●													
Iron Binding Capacity, Unsaturated (UIBC)				●													
Kappa Light Chain												●					
Ketones																●	
Lactate (Lactic Acid)	●			●													
Lactate Dehydrogenase (LDH)				●													
Lambda Light Chain												●					
Leukocytes																●	
LH										●							
Lipase				●													
Lipoprotein (a)											●						
Lithium				●										●			
Magnesium	●			●													●
Mean Corpuscular Hemoglobin (MCH)							●										
Mean Corpuscular Hemoglobin Concentration (MCHC)							●										
Mean Corpuscular Volume (MCV)							●										
Mean Platelet Volume (MPV)							●										
Measles Virus (Rubeola) IgG															●		
Metanephrine																	●
Methotrexate														●			
Microalbumin																	●
Mumps Virus IgG															●		
Myoglobin			●														
Nitrite																●	
Non-Treponemal antibodies													●				
Norepinephrine																	●
Normetanephrine																	●
Nortriptyline														●			
NSE										●							
NT-proBNP			●														
Osmolality				●													●
pCO ₂	●																
pH	●															●	
pO ₂	●																
Phenobarbital										●				●			
Phenytoin										●				●			
Phosphorus				●													●
Plasma Renin Activity (PRA)										●							
Platelets (PLT)							●										
Potassium	●			●													●
Pregnancy (hCG)																●	
Prealbumin												●					
Primidone														●			
Progesterone										●							

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EQAS™ Programs

See page number

- Analyte present
 ▸ Pilot analyte

	40	40	40	41	40	41	41	42	42	42	43	43	43	43	44	44	44
	Blood Gas	Blood Typing	Cardiac Markers	Clin. Chemistry (Monthly)	Coagulation	Ethanol/Ammonia	Hematology	Hemoglobin	HIV/Hepatitis	Immunology (Monthly)	Lipids	Serum Proteins	Syphilis/Chagas	TDM	TorCH/EBV/MuM2	Urinalysis	Urine Chemistry
Prolactin										●							
Protein C					●												
Protein S					●												
Protein (Total)				●								●					●
Protein-to-Creatinine Ratio																●	
PSA (Free)										●							
PSA (Free/Total Ratio)										●							
PSA (Total)										●							
PT					●												
Red Blood Cells (RBC)							●										
Red Blood Cell Distribution Width (RDW)							●										
Red Blood Cell Distribution Width (RDW-SD)							●										
Renin										●							
Rh(D)		●															
Rheumatoid Factor (RF)												●					
Rubella Virus IgG															●		
Rubella Virus IgM															●		
S100 Protein										●							
Salicylate														●			
Sex Hormone Binding Globulin (SHBG)										●							
Sodium	●			●													●
Specific Gravity																●	
T3 Uptake										●							
T-Uptake										●							
Testosterone										●							
Testosterone (Free)										●							
Theophylline										●				●			
Thrombin Time (TT)					●												
Thyroglobulin (Tg)										●							
Thyroid Stimulating Hormone (TSH)				●						●							
Thyroxine Binding Globulin (TBG)										●							
Thyroxine, Free (T ₄)				●						●							
Thyroxine (T ₄), Total				●						●							
Tobramycin														●			
<i>Toxoplasma gondii</i> (Toxo) IgG															●		
<i>Toxoplasma gondii</i> (Toxo) IgM															●		
Transferrin				●						●		●					
<i>Treponema pallidum</i> IgG													●				
<i>Treponema pallidum</i> Total Antibody													●				
Tricyclic Antidepressants (TCA) Screen														●			
Triglycerides				●							●						
Triiodothyronine, Free (T ₃)				●						●							
Triiodothyronine (T ₃), Total				●						●							
Troponin I			●														
Troponin T			●														
<i>Trypanosoma cruzi</i> Total Antibody													●				
Urea				●													▸
Urea Nitrogen (BUN)				●													●
Uric Acid				●													●
Urobilinogen																●	
Valproic Acid										●				●			
Vancomycin														●			
Vanillylmandelic Acid (VMA)																	●
Varicella Zoster Virus (VZV) IgG															●		
Vitamin B ₁₂										●							
von Willebrand Factor (vWF)					●												
White Blood Cells (WBC)							●										
Zinc				●													

Refer to myInserpts.com or the product insert (IFU) of currently available lots for specific analyte and stability claims.

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	Centromere and Nucleolar Patterns (Liquichek)	61	279X	Level 5	71
144	Hematology-16T Control (Liquichek), Trilevel	50		Whole Blood Immunosuppressant Control (Lyphocheck),	
144X	Hematology-16T Control (Liquichek), Trilevel MiniPak	50	281	Five Level MiniPak	71
146	Cardiac Markers Plus Control LT (Liquichek),		282	Immunology Control (Liquichek), Level 1 (2.5 mL)	58
	Level 1 (3 mL)	28	282X	Immunology Control (Liquichek), Level 2 (2.5 mL)	58
146X	Cardiac Markers Plus Control LT (Liquichek),			Immunology Control (Liquichek),	
	Level 1 MiniPak (3 mL)	28	283	Trilevel MiniPak (2.5 mL)	58
147	Cardiac Markers Plus Control LT (Liquichek),		284	Immunology Control (Liquichek), Level 3 (2.5 mL)	58
	Level 2 (3 mL)	28	285	Liquid Assayed Multiquel Premium, Level 1	34
147X	Cardiac Markers Plus Control LT (Liquichek),		285X	Liquid Assayed Multiquel Premium, Level 2	34
	Level 2 MiniPak (3 mL)	28	286	Liquid Assayed Multiquel Premium, Trilevel MiniPak	34
148	Cardiac Markers Plus Control LT (Liquichek),		287	Liquid Assayed Multiquel Premium, Level 3	34
	Level 3 (3 mL)	28	288	Homocysteine Control (Liquichek), Level 1	29
148X	Cardiac Markers Plus Control LT (Liquichek),		288X	Homocysteine Control (Liquichek), Level 2	29
	Level 3 MiniPak (3 mL)	28	289	Homocysteine Control (Liquichek), Trilevel MiniPak	29
149	Cardiac Markers Plus Control LT (Liquichek),		297	Homocysteine Control (Liquichek), Level 3	29
	Level Low (3 mL)	28		Cardiac Markers Plus Control LT (Liquichek),	
149X	Cardiac Markers Plus Control LT (Liquichek),		298	Level 1C (2.5 mL)	28
	Level Low MiniPak (3 mL)	28		Cardiac Markers Plus Control LT (Liquichek),	
176	Pediatric Control (Liquichek), Level 1 (2.5 mL)	33	298X	Level 2 (2.5 mL)	28
177	Pediatric Control (Liquichek), Level 2 (2.5 mL)	33		Cardiac Markers Plus Control LT (Liquichek),	
178X	Pediatric Control (Liquichek), Bilevel MiniPak (2.5 mL)	33	299	Trilevel MiniPak (2.5 mL)	28
180	Cardiac Markers Plus Control (Liquichek), Trilevel	29		Cardiac Markers Plus Control LT (Liquichek),	
180X	Cardiac Markers Plus Control (Liquichek),			Level 3 (2.5 mL)	28
	Trilevel MiniPak	29			
181	Cardiac Markers Plus Control (Liquichek), Level 1	29	302X		
182	Cardiac Markers Plus Control (Liquichek), Level 2	29	303	Spinal Fluid Control (Liquichek), Bilevel MiniPak (2.5 mL)	60
183	Cardiac Markers Plus Control (Liquichek), Level 3	29	304	Spinal Fluid Control (Liquichek), Level 1 (2.5 mL)	60
195	Urine Chemistry Control (Liquichek), Level 1 (2.5 mL)	35	313X	Spinal Fluid Control (Liquichek), Level 2 (2.5 mL)	60
196	Urine Chemistry Control (Liquichek), Level 2 (2.5 mL)	35	323X	Assayed Chemistry Control (Lyphocheck), Bilevel MiniPak	31
198X	Urine Chemistry Control (Liquichek),			Unassayed Chemistry Control (Human) (Lyphocheck)	
	Bilevel MiniPak (2.5 mL)	35	337	Bilevel MiniPak (10 mL)	31
			338	Liquid Assayed Multiquel, Level 1 (2.5 mL)	30
			338X	Liquid Assayed Multiquel, Level 2 (2.5 mL)	30
				Liquid Assayed Multiquel, Trilevel MiniPak (2.5 mL)	30
227	ToRCH Plus Control (Liquichek), Positive	66	339	Liquid Assayed Multiquel, Level 3 (2.5 mL)	30
227X	ToRCH Plus Control (Liquichek), Positive, MiniPak	66	353X	Pediatric Control (Liquichek), Bilevel MiniPak (4 mL)	33
228	ToRCH Plus Control (Liquichek), Negative	66	354	Pediatric Control (Liquichek), Level 1 (4 mL)	33
228X	ToRCH Plus Control (Liquichek), Negative MiniPak	66	355	Pediatric Control (Liquichek), Level 2 (4 mL)	33
239	ToRCH Plus Control (Liquichek), Positive	66	359	Specialty Immunoassay Control (Liquichek), Level LTA	55
239X	ToRCH Plus Control (Liquichek), Positive MiniPak	66	359X	Specialty Immunoassay Control (Liquichek),	
254	Elevated CRP Control (Liquichek), Level 1	59		Four Level MiniPak	55
255	Elevated CRP Control (Liquichek), Level 2	59	360	Immunoassay Plus Control (Liquichek), Trilevel (5 mL)	52
255X	Elevated CRP Control (Liquichek), Trilevel MiniPak	59	360X	Immunoassay Plus Control (Liquichek),	
256	Elevated CRP Control (Liquichek), Level 3	59		Trilevel MiniPak (5 mL)	52
267	Immunoassay Plus Control (Liquichek), Level 1 (2 mL)	52	361	Immunoassay Plus Control (Liquichek), Level 1 (5 mL)	52
268	Immunoassay Plus Control (Liquichek), Level 2 (2 mL)	52	362	Immunoassay Plus Control (Liquichek), Level 2 (5 mL)	52
268X	Immunoassay Plus Control (Liquichek),		363	Immunoassay Plus Control (Liquichek), Level 3 (5 mL)	52
	Trilevel MiniPak (2 mL)	52	364	Specialty Immunoassay Control (Liquichek), Level 1	55
269	Immunoassay Plus Control (Liquichek), Level 3 (2 mL)	52	365	Specialty Immunoassay Control (Liquichek), Level 2	55
271	Ethanol/Ammonia Control (Liquichek), Level 1 (2.5 mL)	32	366	Specialty Immunoassay Control (Liquichek), Level 3	55
272	Ethanol/Ammonia Control (Liquichek), Level 2 (2.5 mL)	32	367	Tumor Marker Plus Control (Lyphocheck), Level 1	54
272X	Ethanol/Ammonia Control (Liquichek),		368	Tumor Marker Plus Control (Lyphocheck), Level 2	54
	Trilevel MiniPak (2.5 mL)	32	368X	Tumor Marker Plus Control (Lyphocheck), Trilevel MiniPak	54
273	Ethanol/Ammonia Control (Liquichek),		369	Tumor Marker Plus Control (Lyphocheck), Level 3	54
	Level 3 (2.5 mL)	32	370	Immunoassay Plus Control (Lyphocheck), Trilevel	53
274	Whole Blood Immunosuppressant Control		370X	Immunoassay Plus Control (Lyphocheck), Trilevel MiniPak	53
	(Lyphocheck), Level 1		371	Immunoassay Plus Control (Lyphocheck), Level 1	53
275	Whole Blood Immunosuppressant Control (Lyphocheck),		372	Immunoassay Plus Control (Lyphocheck), Level 2	53

300

Spinal Fluid Control (Liquichek), Bilevel MiniPak (2.5 mL)	60
Spinal Fluid Control (Liquichek), Level 1 (2.5 mL)	60
Spinal Fluid Control (Liquichek), Level 2 (2.5 mL)	60
Assayed Chemistry Control (Lyphocheck), Bilevel MiniPak	31
Unassayed Chemistry Control (Human) (Lyphocheck)	
Bilevel MiniPak (10 mL)	31
Liquid Assayed Multiquel, Level 1 (2.5 mL)	30
Liquid Assayed Multiquel, Level 2 (2.5 mL)	30
Liquid Assayed Multiquel, Trilevel MiniPak (2.5 mL)	30
Liquid Assayed Multiquel, Level 3 (2.5 mL)	30
Pediatric Control (Liquichek), Bilevel MiniPak (4 mL)	33
Pediatric Control (Liquichek), Level 1 (4 mL)	33
Pediatric Control (Liquichek), Level 2 (4 mL)	33
Specialty Immunoassay Control (Liquichek), Level LTA	55
Specialty Immunoassay Control (Liquichek),	
Four Level MiniPak	55
Immunoassay Plus Control (Liquichek), Trilevel (5 mL)	52
Immunoassay Plus Control (Liquichek),	
Trilevel MiniPak (5 mL)	52
Immunoassay Plus Control (Liquichek), Level 1 (5 mL)	52
Immunoassay Plus Control (Liquichek), Level 2 (5 mL)	52
Immunoassay Plus Control (Liquichek), Level 3 (5 mL)	52
Specialty Immunoassay Control (Liquichek), Level 1	55
Specialty Immunoassay Control (Liquichek), Level 2	55
Specialty Immunoassay Control (Liquichek), Level 3	55
Tumor Marker Plus Control (Lyphocheck), Level 1	54
Tumor Marker Plus Control (Lyphocheck), Level 2	54
Tumor Marker Plus Control (Lyphocheck), Trilevel MiniPak	54
Tumor Marker Plus Control (Lyphocheck), Level 3	54
Immunoassay Plus Control (Lyphocheck), Trilevel	53
Immunoassay Plus Control (Lyphocheck), Trilevel MiniPak	53
Immunoassay Plus Control (Lyphocheck), Level 1	53
Immunoassay Plus Control (Lyphocheck), Level 2	53

373	Immunoassay Plus Control (Lyphocheck), Level 3	53	462	Urine Toxicology Control (Liquichek), Level S2	74
374X	Microalbumin Control (Liquichek), Bilevel MiniPak	34	463	Urine Toxicology Control (Liquichek), Level S3	76
375X	Quantitative Urine Control (Lyphocheck), Bilevel MiniPak	35	466	Urine Toxicology Control (Liquichek), Level S1 Low Opiate	75
376	Quantitative Urine Control (Lyphocheck), Level 1, Normal	35	467	Urine Toxicology Control (Liquichek), Level S2 Low Opiate	75
377	Quantitative Urine Control (Lyphocheck), Level 2, Abnormal	35	468	Urine Toxicology Control (Liquichek), Level C2 Low Opiate	77
378	Microalbumin Control (Liquichek), Level 1	34	469	Urine Toxicology Control (Liquichek), Level C3 Low Opiate	77
379	Microalbumin Control (Liquichek), Level 2	34	480	Fertility Control (Lyphocheck), Trilevel	56
383	Serum Volatiles Control (Liquichek), Level 1	79	480X	Fertility Control (Lyphocheck), Trilevel MiniPak	56
384	Serum Volatiles Control (Liquichek), Level 2	79	481	Fertility Control (Lyphocheck), Level 1	56
385X	Serum Volatiles Control (Liquichek), Bilevel MiniPak	79	482	Fertility Control (Lyphocheck), Level 2	56
395X	Urine Chemistry Control (Liquichek), Bilevel MiniPak (10 mL)	35	483	Fertility Control (Lyphocheck), Level 3	56
397	Urine Chemistry Control (Liquichek), Level 1 (10 mL)	35	487	Hematology Control (X) (Liquichek), Trilevel	49
398	Urine Chemistry Control (Liquichek), Level 2 (10 mL)	35	487X	Hematology Control (X) (Liquichek), Trilevel MiniPak	49
	400			500	
400	Urine Metals Control (Lyphocheck), Level 1	79	500	Anemia Control (Lyphocheck), Single Level	55
402	Maternal Serum II (Liquichek), Level 1	56	500X	Anemia Control (Lyphocheck), MiniPak	55
402X	Urine Metals Control (Lyphocheck), Bilevel MiniPak	79	501	Rheumatoid Factor Control (Liquichek), Level 1	59
403	Maternal Serum II Control (Liquichek), Level 2	56	502	Rheumatoid Factor Control (Liquichek), Level 2	59
403X	Maternal Serum II Control (Liquichek), Trilevel MiniPak	56	502X	Rheumatoid Factor Control (Liquichek), Trilevel MiniPak	59
404	Maternal Serum II Control (Liquichek), Level 3	56	503	Rheumatoid Factor Control (Liquichek), Level 3	59
405	Urine Metals Control (Lyphocheck), Level 2	79	510X	Blood Gas Plus EGL Control (Liquichek), Trilevel MiniPak	27
409	Urine Toxicology Control (Liquichek), Level S1S	76	511	Blood Gas Plus EGL Control (Liquichek), Level 1	27
419	Urine Toxicology Control (Liquichek), Level S2S	76	512	Blood Gas Plus EGL Control (Liquichek), Level 2	27
423	Urine Toxicology Control (Liquichek), Level S1E Low Opiate	75	513	Blood Gas Plus EGL Control (Liquichek), Level 3	27
424	Urine Toxicology Control (Liquichek), Level S2E Low Opiate	75	514	Sedimentation Rate Control (Liquichek), Level 1	51
430	Immunology Plus Control (Lyphocheck), Bilevel	53	514X	Sedimentation Rate Control (Liquichek), Bilevel MiniPak	51
430X	Immunology Plus Control (Lyphocheck), Bilevel MiniPak	53	515	Sedimentation Rate Control (Liquichek), Level 2	51
435	Urinalysis Control (Liquichek), Bilevel	80	527	Whole Blood Metals Control (Lyphocheck), Level 1	78
435X	Urinalysis Control (Liquichek), Bilevel MiniPak	80	528	Whole Blood Metals Control (Lyphocheck), Level 2	78
436	Urinalysis Control (Liquichek), Level 1	80	528X	Whole Blood Metals Control (Lyphocheck), Trilevel MiniPak	78
437	Urinalysis Control (Liquichek), Level 2	80	529	Whole Blood Metals Control (Lyphocheck), Level 3	78
438	Urine Toxicology Control (Liquichek), Level S1E	74	544	Ethanol/Ammonia Control (Liquichek), Level 1 (3 mL)	32
439	Urine Toxicology Control (Liquichek), Level S2E	74	545	Ethanol/Ammonia Control (Liquichek), Level 2 (3 mL)	32
441	Urine Toxicology Control (Liquichek), Level C1	77	545X	Ethanol/Ammonia Control (Liquichek), Trilevel MiniPak (3 mL)	32
442	Urine Toxicology Control (Liquichek), Level C2	77	546	Ethanol/Ammonia Control (Liquichek), Level 3 (3 mL)	32
443	Urine Toxicology Control (Liquichek), Level C3	77	547	Tumor Marker Control (Liquichek), Level 1 (2 mL)	54
444	Urine Toxicology Control (Liquichek), Level C4	77	548	Tumor Marker Control (Liquichek), Level 2 (2 mL)	54
449	Hematology Control (S) (Liquichek), Trilevel	48	548X	Tumor Marker Control (Liquichek), Trilevel MiniPak (2 mL)	54
449X	Hematology Control (S) (Liquichek), Trilevel MiniPak	48	549	Tumor Marker Control (Liquichek), Level 3 (2 mL)	54
450	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Trilevel	70	553	Hemoglobin A ₂ Control (Lyphocheck), Bilevel	38
450X	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Trilevel MiniPak	70	553X	Hemoglobin A ₂ Control (Lyphocheck), Bilevel MiniPak	38
451	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Level 1	70	560X	Whole Blood Control (Lyphocheck), Trilevel MiniPak	79
452	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Level 2	70	561	Whole Blood Control (Lyphocheck), Level 1	79
453	Therapeutic Drug Monitoring Control (TDM) (Lyphocheck), Level 3	70	562	Whole Blood Control (Lyphocheck), Level 2	79
454	Qualitative Urine Toxicology Control (Liquichek), Negative Level	72	563	Whole Blood Control (Lyphocheck), Level 3	79
454X	Qualitative Urine Toxicology Control (Liquichek), Bilevel MiniPak	72	570X	Blood Gas Control (Liquichek), Trilevel MiniPak	27
455	Qualitative Urine Toxicology Control (Liquichek), Positive Level	72	571	Blood Gas Control (Liquichek), Level 1	27
456	Drug Free Serum (Lyphocheck)	78	572	Blood Gas Control (Liquichek), Level 2	27
456X	Drug Free Serum (Lyphocheck), MiniPak	78	573	Blood Gas Control (Liquichek), Level 3	27
460	Urine Toxicology Negative Control (Liquichek)	72	575X	Blood Gas Plus E Control (Liquichek), Trilevel MiniPak	27
460X	Urine Toxicology Negative Control (Liquichek), MiniPak	72	576	Blood Gas Plus E Control (Liquichek), Level 1	27
461	Urine Toxicology Control (Liquichek), Level S1	74	577	Blood Gas Plus E Control (Liquichek), Level 2	27
			578	Blood Gas Plus E Control (Liquichek), Level 3	27
			587	Blood Gas Ampule Breaker	81
			588	Dispenser Tips for Crimp Seals	81
			590X	Immunology Control (Liquichek), Trilevel MiniPak (1 mL)	58
			591	Immunology Control (Liquichek), Level 1 (1 mL)	58
			592	Immunology Control (Liquichek), Level 2 (1 mL)	58
			593	Immunology Control (Liquichek), Level 3 (1 mL)	58

594	Immunology Control (Liquichek), Level 1 (3 mL)	58	750X	Spinal Fluid Control (Liquichek), Bilevel MiniPak (3 mL)	60
595	Immunology Control (Liquichek), Level 2 (3 mL)	58	751	Spinal Fluid Control (Liquichek), Level 1 (3 mL)	60
596	Immunology Control (Liquichek), Level 3 (3 mL)	58	752	Spinal Fluid Control (Liquichek), Level 2 (3 mL)	60
597	Hemostasis Control (Lyphocheck), Level 1	37	760	Hematology-16 Control (Liquichek), Trilevel	50
598	Hemostasis Control (Lyphocheck), Level 2	37	760X	Hematology-16 Control (Liquichek), Trilevel MiniPak	50
598X	Hemostasis Control (Lyphocheck), Trilevel MiniPak	37	761	Hematology-16 Control (Liquichek), Low	50
599	Hemostasis Control (Lyphocheck), Level 3	37	762	Hematology-16 Control (Liquichek), Normal	50
	600		763	Hematology-16 Control (Liquichek), High	50
600	Hypertension Markers Control (Lyphocheck), Trilevel	57		800	
600X	Hypertension Markers Control (Lyphocheck), Trilevel MiniPak	57	804	Unity Real Time Installation Package	5, 6
636	Maternal Serum 1st Trimester Control (Liquichek), Trilevel . .	56	804-1	Unity Real Time (Annual Subscription)	4, 6
636X	Maternal Serum 1st Trimester Control (Liquichek), Trilevel MiniPak	56	804-W1	Unity Real Time online (Annual Subscription)	4, 6
640X	Lipids Control (Liquichek), Bilevel MiniPak	33	805-1	Unity Real Time LT	4, 5
641	Lipids Control (Liquichek), Level 1	33	806-1	Unity Alert (Annual Subscription)	7
642	Lipids Control (Liquichek), Level 2	33	811-1	Westgard Advisor (Annual Subscription)	4, 7
663	Benzo/TCA Control Set B (Lyphocheck), Level 1	78	820-1	UnityConnect (Annual Subscription)	4, 6
664	Benzo/TCA Control Set B (Lyphocheck), Level 2	78	825i	Unity Remote Installation & Training	5, 6, 7
665X	Benzo/TCA Control Set B (Lyphocheck), Bilevel MiniPak	78	826	Reticulocyte Control (C) (Liquichek), Level 1	47
670X	CK/LD Isoenzyme Control (Liquichek), Bilevel MiniPak	29	827	Reticulocyte Control (C) (Liquichek), Level 2	47
671	CK/LD Isoenzyme Control (Liquichek), Level 1	29	827X	Reticulocyte Control (C) (Liquichek), Trilevel MiniPak	47
672	CK/LD Isoenzyme Control (Liquichek), Level 2	29	828	Reticulocyte Control (C) (Liquichek), Level 3	47
683	Urine Toxicology Control (Liquichek), Level S1O Low Opiate	75	854	Reticulocyte Control (A) (Liquichek), Level 1	46
690X	Unassayed Chemistry Control (Human) (Liquichek), Bilevel MiniPak	32	855	Reticulocyte Control (A) (Liquichek), Level 2	46
691	Unassayed Chemistry Control (Human) (Liquichek), Level 1	32	855X	Reticulocyte Control (A) (Liquichek), Bilevel MiniPak	46
692	Unassayed Chemistry Control (Human) (Liquichek), Level 2	32	858i	Additional Software Training	5, 6, 7
694	Liquid Assayed Multiquel, Level 1 (3 mL)	30	865	Hematology Control (A) (Liquichek), Trilevel	46
695	Liquid Assayed Multiquel, Level 2 (3 mL)	30	865X	Hematology Control (A) (Liquichek), Trilevel MiniPak	46
695X	Liquid Assayed Multiquel, Trilevel MiniPak (3 mL)	30	866	Hematology Control (A) (Liquichek), Low	46
696	Liquid Assayed Multiquel, Level 3 (3 mL)	30	867	Hematology Control (A) (Liquichek), Normal	46
697	Liquid Unassayed Multiquel, Level 1	30	868	Hematology Control (A) (Liquichek), High	46
698	Liquid Unassayed Multiquel, Level 2	30	870-1	UnityWeb (Annual Subscription)	5
698X	Liquid Unassayed Multiquel, Trilevel MiniPak	30	870-W1	WebConnect (Annual Subscription)	5
699	Liquid Unassayed Multiquel, Level 3	30		900	
	700		904	Hematology Control (C) (Liquichek), Trilevel	47
706	Urine Toxicology Control (Liquichek), Level S2O Low Opiate	75	904X	Hematology Control (C) (Liquichek), Trilevel MiniPak	47
724	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Trilevel	70	905	Hematology Control (C) (Liquichek), Low	47
724X	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Trilevel MiniPak	70	906	Hematology Control (C) (Liquichek), Normal	47
725	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Level 1	70	907	Hematology Control (C) (Liquichek), High	47
726	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Level 2	70	915X	Reticulocyte Control (A-I) (Liquichek), Bilevel MiniPak	46
727	Therapeutic Drug Monitoring Control (TDM) (Liquichek), Level 3	70	916	Reticulocyte Control (A-I) (Liquichek), Level 1	46
730X	Unassayed Chemistry Control (Human) (Lyphocheck), Bilevel MiniPak (5 mL)	31	917	Reticulocyte Control (A-I) (Liquichek), Level 2	46
731	Unassayed Chemistry Control (Human) (Lyphocheck), Level 1 (5 mL)	31	921	Reticulocyte Control (S) (Liquichek), Level 1	48
732	Unassayed Chemistry Control (Human) (Lyphocheck), Level 2 (5 mL)	31	922	Reticulocyte Control (S) (Liquichek), Level 2	48
740	Diabetes Control (Lyphocheck), Bilevel	38	922X	Reticulocyte Control (S) (Liquichek), Trilevel MiniPak	48
740X	Diabetes Control (Lyphocheck), Bilevel MiniPak	38	923	Reticulocyte Control (S) (Liquichek), Level 3	48
744	Coagulation Control (Lyphocheck), Level 1	37	926	Reticulocyte Control (X) (Liquichek), Level 1	49
745	Coagulation Control (Lyphocheck), Level 2	37	927	Reticulocyte Control (X) (Liquichek), Level 2	49
745X	Coagulation Control (Lyphocheck), Trilevel MiniPak	37	927X	Reticulocyte Control (X) (Liquichek), Trilevel MiniPak	49
746	Coagulation Control (Lyphocheck), Level 3	37	928	Reticulocyte Control (X) (Liquichek), Level 3	49
			962	qUAntify Plus Control, Bilevel, Bottle	80
			962X	qUAntify Plus Control, Bilevel MiniPak, Bottle	80
			963	qUAntify Plus Control, Level 1, Bottle	80
			964	qUAntify Plus Control, Level 2, Bottle	80
			970	Meter Trax Control, Trilevel	39
			970X	Meter Trax Control, Trilevel MiniPak	39
			971	Meter Trax Control, Low Level	39
			972	Meter Trax Control, Mid Level	39
			973	Meter Trax Control, High Level	39
			995	qUAntify Plus Control, Bilevel	80
			995X	qUAntify Plus Control, Bilevel MiniPak	80
			98700	Dispenser Tips for Screw Caps	81

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12000837	Blood Typing Program (EQAS), Shipment A	40	12009965	Cardiac Markers Plus Control LT, (InteliQ), Level 1B MiniPak	9
12000838	Blood Typing Program (EQAS), Shipment B	40	12009966	Cardiac Markers Plus Control LT, (InteliQ), Level 1C MiniPak	9
12000839	Blood Typing Program (EQAS), Shipment C	40	12009995	Urine Chemistry Control (InteliQ), Level 1	12
12000846	Quality Control Tray	81	12009996	Urine Chemistry Control (InteliQ), Level 2	12
12001084	Cardiac Troponins Control (Liquichek), Level 1	28	12009997	Urine Chemistry Control (InteliQ), Bilevel MiniPak	12
12001085	Cardiac Troponins Control (Liquichek), Level 1 MiniPak	28	12011308	Diabetes Control (Liquichek), Level 1 (2 mL)	38
12002594	Opiate Control (Liquichek), Level 1 MiniPak	73	12011309	Diabetes Control (Liquichek), Level 2 (2 mL)	38
12002595	Opiate Control (Liquichek), Level 2 MiniPak	73	12011310	Diabetes Control (Liquichek), Level 3 (2 mL)	38
12004309	Homocysteine Control (InteliQ), Level 1	10	12011331	Diabetes Control (Liquichek), Trilevel MiniPak (2 mL)	38
12004310	Homocysteine Control (InteliQ), Level 2	10	12011334	Diabetes Control (Liquichek), Trilevel MiniPak (1 mL)	38
12004311	Homocysteine Control (InteliQ), Level 3	10	12011343	Diabetes Control (Liquichek), Level 1 (1 mL)	38
12004312	Homocysteine Control (InteliQ), Trilevel MiniPak	10	12011344	Diabetes Control (Liquichek), Level 2 (1 mL)	38
12005786	Opiate Control (Liquichek), Level 1	73	12011345	Diabetes Control (Liquichek), Level 3 (1 mL)	38
12005787	Opiate Control (Liquichek), Level 2	73	12012693	Serum Indices (Liquichek), Hemolysis	36
12006239	Cardiac Troponins Control (Liquichek), Level 2	28	12012694	Serum Indices (Liquichek), Icterus	36
12006327	AMH Control (Liquichek), Trilevel	56	12012695	Serum Indices (Liquichek), Lipemia	36
12006369	Cardiac Troponins Control (Liquichek), Level 3	28	12012696	Serum Indices (Liquichek), Non-interfered	36
12006370	Cardiac Troponins Control (Liquichek), Level 2 MiniPak	28	12012697	Serum Indices (Liquichek), Hemolysis MiniPak	36
12006371	Cardiac Troponins Control (Liquichek), Level 3 MiniPak	28	12012698	Serum Indices (Liquichek), Icterus MiniPak	36
12007028	qUAntify Advance, Bilevel	80	12012699	Serum Indices (Liquichek), Lipemia MiniPak	36
12007029	qUAntify Advance, Bilevel MiniPak	80	12012700	Serum Indices (Liquichek), Non-interfered MiniPak	36
12008256	Assayed Multiquel Control (InteliQ), Level 1	9	12013881	VIROTROL SARS-CoV	67
12008257	Assayed Multiquel Control (InteliQ), Level 2	9	12013883	VIROCLEAR SARS-CoV	67
12008258	Assayed Multiquel Control (InteliQ), Level 3	9			
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12008279	Specialty Immunoassay Control (InteliQ), Level 3	12			
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12008300	Ethanol/Ammonial Control (InteliQ), Level 2	10			
12008301	Ethanol/Ammonial Control (InteliQ), Level 3	10			
12008302	Ethanol/Ammonial Control (InteliQ), Trilevel MiniPak	10			
12008309	Diabetes Control (InteliQ), Level 1	10			
12008310	Diabetes Control (InteliQ), Level 2	10			
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HCVL101	HCV Low Run Control (Exact Diagnostics)	19			
HCVP100	HCV Verification Panel (Exact Diagnostics)	19			
HCVP200	HCV Verification Panel (Exact Diagnostics)	19			
HCVSCREEN	HCV RNA Screen Control (Exact Diagnostics)	22			

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