



2016 Oneworld Accuracy

External Quality Assessment Programs

Oneworld Accuracy Collaboration



## ONEWORLD ACCURACY



**Oneworld Accuracy, based in Vancouver, Canada**, was founded in 2000. We are the principal provider of Standardization and EQA programs in Canada. We provide a comprehensive suite of EQA programs spanning all clinical disciplines as well as a unique set of Standardization programs. All our programs are managed on OASYS (Oneworld Accuracy System), an online informatics system that we operate, host and continually improve. We believe that OASYS is the most sophisticated, advanced and flexible informatics system of its kind anywhere. All our programs are supported by a dedicated team of laboratory professionals who strive to provide participants and stakeholders with insightful and responsive email and toll-free phone support in English and French.

We currently support almost 180 Canadian networks on OASYS. These networks, which include regional health authorities and provincial oversight bodies, use the performance information from our programs to monitor and improve the quality of testing of their participants. Our EQA programs have supported provincial oversight for over a decade in Quebec by the Laboratoire de Santé Publique du Québec and in Saskatchewan by the College of Physicians & Surgeons of Saskatchewan.

Our eGFR (creatinine standardization) program has been adopted as the cornerstone of provincial standardization initiatives in British Columbia and Nova Scotia. The British Columbia experience was summarized in a paper entitled Regional Implementation of Creatinine Measurement Standardization published in the Journal of American Society of Nephrology (J Am Soc Nephrol 19: 164–169, 2008). It was projected that our program could reduce average total error in creatinine measurement from 23.9% to 8.7% and average analytical bias from 16.5% to 2.7% and could reduce incorrect classification of stage 3 chronic kidney disease for 449,000 patients (84%) with potential savings of \$36 million.

We also act as the Secretariat to the Oneworld Accuracy Collaboration. Here's an overview of what we do as Secretariat. We invite leading clinical and research groups around the world to become Science Architects in the Oneworld Accuracy Collaboration. We embed their science in programs that assess, improve and standardize test results. We add those programs to OASYS and localize OASYS into desired languages. We invite national groups to own the challenge of achieving testing accuracy in their countries. We empower them as Collaboration Members. We give them all the tools they need – programs, online system, training and the collective experience of their Collaboration peers. We invite everyone who does medical testing – laboratories, doctors, clinics, pharmacies to participate in our Standardization and EQA programs.



Oneworld Accuracy is the largest and most successful collaboration of its kind in the world. We now have more than 30 Collaboration Members providing 25,000 annual program subscriptions featuring the science of 4 Science Architects to 5,000 participants in 55 countries.

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# TABLE OF PROGRAMS

## MONTHLY PROGRAMS

Chemistry/Immunoassay  
 Blood Gas/Electrolytes  
 Cardiac Markers  
 Coagulation  
 Hematology  
 Specific Proteins  
 Tumor Markers  
 Urine Drugs of Abuse  
 Urinalysis

## STANDARDIZATION PROGRAMS

Certification - Total Cholesterol  
 eGFR Baseline  
 eGFR Calculation  
 eGFR Monitoring  
 Hemoglobin A1c Monitoring  
 Lipids Monitoring

## CHEMISTRY EQA

Alcohol  
 Ammonia  
 Chemistry/Immunoassay  
 Blood Gas/Electrolytes  
 Cardiac Markers  
 Clinical Chemistry  
 CO-Oximetry  
 Routine Chemistry  
 Cerebrospinal Fluid Chemistry  
 Endocrinology  
 Fetal Fibronectin  
 Body Fluid Chemistry  
 Occult Blood  
 Basic Glycated Hemoglobin  
 Gastric Occult Blood  
 i-STAT Blood Gas/Electrolytes/Hematocrit  
 Ketones  
 Neonatal Bilirubin  
 Nitrazine  
 Human Chorionic Gonadotropin  
 Special Chemistry  
 Special Immunoassay  
 Specific Proteins  
 Special Urine Chemistry  
 Immunosuppressants  
 Sweat Testing  
 Therapeutic Drug Monitoring  
 Pharmacology  
 Total Protein  
 Trace Elements - Blood  
 Trace Elements - Serum  
 Trace Elements - Urine  
 Tumor Markers

Urine Drugs of Abuse  
 Urine hCG  
 Urine Chemistry  
 Urinalysis  
 Urine Microalbumin  
 Urine Sediment  
 Whole Blood Glucose  
 Whole Blood Hemoglobin

## POINT OF CARE EQA

Blood Gas/Electrolytes  
 Cardiac Markers  
 Clinical Chemistry  
 Co-Oximetry  
 i-STAT Blood Gas/Electrolytes/Hematocrit  
 Nitrazine  
 Plasma Prothrombin Time XS POC  
 Urine Drugs of Abuse  
 Urinalysis  
 Whole Blood Glucose  
 Whole Blood Hemoglobin

## HEMATOLOGY EQA

Body Fluids  
 Cell Morphology  
 Erythrocyte Sedimentation Rate  
 Erythrocyte Sedimentation Rate for Alifax  
 Flow Cytometry Progenitor Cells  
 Fetal RBC and F Cell Detection  
 Hematology 5-Part Differential  
 Hematology  
 Hematology 3-Part Differential  
 Lymphocyte Immunophenotyping  
 Reticulocytes  
 Sickle Cell Screening

## COAGULATION EQA

Coagulation  
 Hemophilia Coagulation Factors and vWF  
 D-Dimer  
 Oral Anticoagulant Monitoring  
 Plasma Prothrombin Time XS POC  
 Thrombophilia

## TRANSFUSION MEDICINE EQA

Basic Transfusion Medicine  
 Comprehensive Transfusion Medicine  
 Direct Antiglobulin Testing  
 Immunohematology  
 Comprehensive Immunohematology

# TABLE OF PROGRAMS

## CLINICAL MICROSCOPY EQA

Fecal Smear  
 Fern Test  
 KOH Preparation  
 Nasal Smear  
 Pinworm Preparation  
 Vaginal Preparation

## DIAGNOSTIC IMMUNOLOGY EQA

Antiphospholipid Autoimmunity  
 Rheumatologic Arthritis Autoimmunity  
 Anti-Neutrophil Cytoplasm Autoimmunity  
 Coeliac Disease  
 Organ Autoimmunity  
 Rheumatologic Autoimmunity  
 Thyroid Autoimmunity  
 Inhalant Allergy  
 Anti-Nuclear Antibody  
 Anti-Streptolysin O  
 C-Reactive Protein  
 Food Allergy  
 High Sensitivity C-Reactive Protein  
 Rheumatoid Factor

## MOLECULAR DIAGNOSTICS EQA

M. tuberculosis Detection and Rifampin Resistance

## CLINICAL SEROLOGY EQA

Viral Antigen Detection  
 EBV Serology  
 Hepatitis Serology  
 HIV  
 HIV Serology  
 Helicobacter Pylori Antibody  
 Herpes Simplex  
 HTLV Serology  
 Lyme Disease  
 Infectious Mononucleosis  
 Mycoplasma Antibody  
 Toxoplasma, Rubella and CMV Serology  
 Syphilis Serology

## CLINICAL NUCLEIC ACID TESTING EQA

CMV DNA Qualitative & Viral Load  
 C. trachomatis I N. gonorrhoeae DNA Qualitative  
 Dried Tube Sample HIV-1 Viral Load  
 HAV RNA & Parvovirus B19 DNA  
 HBV DNA Viral Load  
 HCV Genotyping  
 HCV RNA Viral Load  
 HCV RNA Qualitative  
 HIV-1 Genotypic Drug Resistance  
 HIV-1 RNA Viral Load

HSV-1/2 DNA Qualitative  
 HIV Tropism

## BLOOD SCREENING EQA

CMV DNA Qualitative & Viral Load  
 HAV RNA & Parvovirus B19 DNA  
 HTLV Serology  
 Multimarker Blood Screening Serology  
 Multimarker Blood Screening NAT  
 Toxoplasma, Rubella and CMV Serology  
 Syphilis Serology

## ANDROLOGY EQA

Sperm Count  
 Sperm Screen  
 Sperm Morphology  
 Sperm Viability

## BACTERIOLOGY EQA

Affirm VP Test  
 Bacterial Identification  
 Blood Culture  
 Clostridium difficile Antigen  
 Genital Culture  
 Gram Stain  
 Methicillin Resistant Staphylococcus aureus  
 Neisseria Gonorrhoeae Culture  
 Streptococcus A Antigen  
 Streptococcus A Culture  
 Throat Culture  
 Urine Colony Count  
 Urine Culture  
 Vancomycin Resistant Enterococcus

## MYCOBACTERIOLOGY EQA

Mycobacterium Acid Fast Stain  
 Mycobacterium Species Culture

## MYCOLOGY EQA

Candida Antigen  
 Cryptococcus Antigen  
 Dermatophyte Screen  
 KOH Slides  
 Mold/Yeast Culture  
 Yeast Culture

## PARASITOLOGY EQA

Blood Parasites  
 Malaria  
 PVA Smear  
 Wet Mount



## ONEWORLD ACCURACY COLLABORATION

When you participate in our programs, you support and advance the Oneworld Accuracy Collaboration, the largest and most successful collaboration of its kind in the world. Collaboration Members harmonize programs to the highest international standards using common samples, challenge formats and test event calendar and manage their respective programs on OASYS, a shared informatics system developed and hosted by the Collaboration Secretariat, the Oneworld Accuracy Group, based in Vancouver, Canada.

### **Collaboration Mission: to achieve universal testing accuracy for improved healthcare for all people.**

Our mission is supported by your commitment to continual improvement in testing quality. Accordingly, if you have any suggestions for new programs or system features that can assist you, or if you know of any groups that might be interested in becoming a Collaboration Member, please let us know at [secretariat@oneworldaccuracy.org](mailto:secretariat@oneworldaccuracy.org).

The Collaboration has two types of Members. Leadership Members are national groups that provide a comprehensive, harmonized program set. They may also be national groups with a specific mandate or academic focus that provide a specialty program set. Associate Members are commercial groups that also provide a comprehensive, harmonized program set pending organization of national programs in their respective countries.



### **Leadership Members**

1. Oneworld Accuracy Group, Collaboration Secretariat (Vancouver, Canada)
2. AccuTest Proficiency Testing Services (Boston, USA)
3. NRL (Melbourne, Australia)
4. National HIV and Retrovirology Laboratories, Public Health Agency of Canada (Ottawa, Canada)
5. Human Quality Assessment Services (Nairobi, Kenya)
6. Oneworld Accuracy Italia (Bologna, Italy)
7. STI AIDS Cooperative Central Laboratory (Manila, Philippines)
8. Ministère de la Santé Publique de la Côte d'Ivoire (Abidjan, Côte d'Ivoire)
9. Thistle QA (Johannesburg, South Africa)
10. AfriQualab (Dakar, Sénégal)

## ONEWORLD ACCURACY COLLABORATION

11. Ethiopian Public Health Institute (Addis Ababa, Ethiopia)
12. Centro Regionale Qualità Laboratori (Palermo, Italy)
13. Ministry of Health, Guyana (Georgetown, Guyana)
14. Ministry of Health, Antigua & Barbuda (Saint John's, Antigua & Barbuda)
15. Ministry of Health, Barbados (Bridgetown, Barbados)
16. Ministry of Health, Jamaica (Kingston, Jamaica)
17. Ministry of Health, Suriname (Paramaribo, Suriname)
18. Ministry of Health, Saint Lucia (Castries, Saint Lucia)
19. Ministry of Health, Trinidad & Tobago (Port of Spain, Trinidad & Tobago)
20. Ministry of Health, Bahamas (Nassau, Bahamas)
21. Ministry of Health, Belize (Belmopan, Belize)
22. Ministry of Health, Dominica (Roseau, Dominica)
23. Ministry of Health, Grenada (St. George's, Grenada)
24. Ministry of Health, St. Kitts & Nevis (Basseterre, St. Kitts & Nevis)
25. Ministry of Health, St. Vincent & the Grenadines (Kingstown, St. Vincent & the Grenadines)
26. China International Transfusion Infection Control, Shanghai Blood Services (Shanghai, China)
27. National Public Health Reference Laboratory (Accra, Ghana)
28. Laboratoire National de Santé Publique Haïti (Port au Prince, Haïti)
29. National Reference Laboratory Rwanda (Kigali, Rwanda)
30. Transfusion Transmissible Infections - National Reference Laboratory (Muntinlupa City, Philippines)
31. Institute of Human Virology Nigeria (Abuja, Nigeria)
32. Swaziland Health Laboratory Services (Mbabane, Swaziland)
33. National Health Laboratory QATC (Dar es Salaam, Tanzania)
34. Centre for Integrated Health Programs (Abuja, Nigeria)
35. Ministry of Health & Child Care (Harare, Zimbabwe)
36. National Kidney & Transplant Institute (Quezon City, Philippines)

### Associate Members

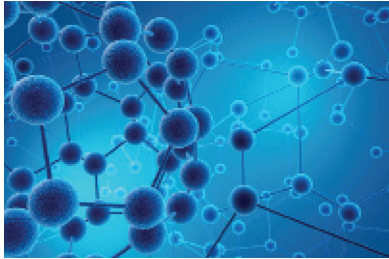
37. Oneworld Accuracy Costa Rica
38. Oneworld Accuracy El Salvador

## ONEWORLD ACCURACY COLLABORATION

- 39. Oneworld Accuracy España
- 40. Oneworld Accuracy Guatemala
- 41. Oneworld Accuracy Honduras
- 42. Oneworld Accuracy India
- 43. Oneworld Accuracy Kuwait
- 44. Oneworld Accuracy Malaysia
- 45. Oneworld Accuracy Panamá
- 46. Oneworld Accuracy Portugal
- 47. Oneworld Accuracy Qatar
- 48. Oneworld Accuracy România
- 49. Oneworld Accuracy Saudi Arabia
- 50. Oneworld Accuracy Sri Lanka
- 51. Oneworld Accuracy Taiwan
- 52. Oneworld Accuracy Türkiye



## SCIENCE ARCHITECTS

**Science(n);**

from Latin *scientia* meaning “knowledge” is a systematic enterprise that builds and organizes knowledge in the form of testable explanations and predictions about the world.

+

**Architect(n);**

from Latin *architectus*, derived from Greek *arkhitekton* meaning “chief builder” is a person or group responsible for the planning, design and construction oversight of complex systems.

**= Science Architect**

The Oneworld Accuracy Collaboration features programs that embed the science of leading medical and laboratory science specialists worldwide. These groups are called Science Architects and they take the lead in the planning, design and oversight of programs within their domain of expertise. This includes selection and procurement of clinically relevant samples and design of key online program flows, such as registration, submitting results, evaluation criteria and performance reports and graphs. Science Architects stay abreast of leading and emerging clinical and laboratory trends so that their programs remain current.

The Science Architect concept is unique to the Collaboration. It means that participants gain access to the leading science of many Science Architects within a single suite of programs on a single informatics system. The Collaboration wants to reach out to new potential Science Architects worldwide so their expertise can be incorporated into new best-of-breed programs.

If you know of any group that might be interested or qualified in becoming a Science Architect, please let us know at [secretariat@oneworldaccuracy.org](mailto:secretariat@oneworldaccuracy.org).

## CMPT-SCIENCE ARCHITECT



clinical  
microbiology  
proficiency  
testing

CMPT (Canadian Microbiology Proficiency Testing) is an active program of the Department of Pathology & Laboratory Medicine, University of British Columbia (UBC). CMPT operates a Medical Microbiology Research and Development Laboratory within the UBC campus in Vancouver, British Columbia, Canada.

Since inception, CMPT has maintained its focus on fulfilling its Mission Statement: Innovation, Education, Quality Assessment and Continual Improvement.

CMPT was created in 1983 as a regional microbiology EQA program for southwest British Columbia. It has since evolved into a cross-Canada program with international outreach. Today CMPT provides EQA programs in bacteriology, mycology and enteric parasitology to all laboratories in most Canadian provinces as well as EQA programs for drinking and recreational water to public health and water testing laboratories across the country.

CMPT is widely acknowledged as the principal microbiology EQA provider in Canada and a leader internationally in microbiology quality improvement and education. CMPT is voluntarily compliant with ISO 17025: 2004 and ISO 9001: 2008. Since 2004, CMPT's quality management system has been regularly assessed and certified by QMI-SAI Global. CMPT has been a Collaboration member since 2011 and serves as the Science Architect for some Bacteriology, Mycology and Mycobacteriology EQA Programs.

CMPT's focus on education and continual improvement is reflected in the design of its EQA programs. Many providers use lyophilized samples and narrowly conceive of EQA as measure of their participants' technical accuracy compared with their inter-laboratory peers. By contrast, CMPT uses fresh samples that closely simulate typical clinical samples. As well, CMPT's EQA more expansively assesses their participants' whole pre-examination, examination and post-examination cycle to ensure that they provide timely, accurate and clinically-relevant reports. CMPT's critiques, newsletters and other educational materials enjoy consistently high ratings among participants and serve as a valuable source of continuing education.

CMPT is active internationally. Numerous organizations have adopted CMPT techniques for use in their own countries through CMPT's Education, Training, & Mentoring (ETM) Program. As well, CMPT has been successfully engaged in national and international research in laboratory quality management within the UBC Program Office for Laboratory Quality Management (POLQM), a sister program to CMPT.

## NRL - COLLABORATION MEMBER + SCIENCE ARCHITECT



Established in 1985 and based in Melbourne, Australia, NRL is an independent and not-for-profit organization whose mission is to promote the quality of tests and testing for infectious diseases globally.

NRL is designated a World Health Organization Collaborating Centre for Diagnostics and Laboratory Support for HIV and AIDS and Other Blood-borne Infections and a fully accredited proficiency testing provider under ISO 17043:2010. In addition, NRL is certified by BSI for Quality Management AS/NZS ISO 9001:2008 and Safety Management AS/NZS 4801:2001.

NRL has been a Collaboration member since 2005 and serves as the Science Architect for Clinical Serology, Clinical Nucleic Acid Testing and Blood Screening EQA Programs. The design and analysis of these Programs draw upon NRL's extensive experience and scientific methods to ensure maximum scope for error detection. NRL EQA Programs, which incorporate genuine and diverse samples, are intended to assess the integrity of the entire testing process to identify sources of errors and prevent misdiagnosis.

As well, NRL is the founder and manager of an international quality network in which NRL directly provides Blood Screening EQA Programs and other quality services to national blood screening organizations and plasma fractionators from over 40 countries. These quality-focused participants have selected NRL Blood Screening EQA Programs as a cost-effective approach to managing risks.

In addition to EQA, NRL also offers a range of quality services for laboratories testing for infectious diseases, including:

- comprehensive and innovative quality assurance services,
- evaluations of tests and test algorithms,
- specialized laboratory testing services,
- training with sustainable outcomes, and
- consultation and advice on policy relating to laboratory testing.

## OUR GREEN COMMITMENT

### Minimizing environmental impact

Maximizing healthcare impact



As an environmentally responsible Collaboration, our Green Commitment includes moving from paper to digital formats and minimizing the mass and frequency of shipments to you.

As part of that commitment, we are:

- Minimizing separate shipments to you by simplifying our Test Event calendar.
- Sending you electronic copies of Instructions and Worksheets instead of printing and shipping paper copies to you.
- Providing digital images for microscopy Programs instead of printing and shipping microphotographs to you.
- Encouraging you to consider the environment before printing paperwork and to recycle or reuse all shipping materials.

### We're making a difference.

Almost 100% of our shipping materials can now be recycled or reused. Moving from paper to digital will save approximately 1400 kilograms (3100 pounds) of paper every year and avert the associated environment cost of printing that paper and shipping it around the world by air transport.



We invite you to re-imagine our Programs to minimize their environmental impact. If you have suggestions for how we can further minimize our environmental footprint, please let us know at [secretariat@oneworldaccuracy.org](mailto:secretariat@oneworldaccuracy.org)

## PROGRAM ESSENTIALS

### Here is how our Programs are organized

- Programs are divided into sections by testing discipline.
- Programs are listed alphabetically by Order Code in each section.
- All Programs are offered on a calendar-year basis.
- You may enrol in any Program anytime during the year. You will start with the next available Test Event and your Program cost will be pro-rated.
- Some Programs may only be offered once a minimum number of participants is reached.



### We have simplified and standardized our Program design

- Programs may have either 3, 4 or 12 test events.
- All Programs have a 21 day Test Event Window except Standardization Programs, Monthly EQA Programs and some Chemistry EQA Programs. These Programs have a 7 day Test Event Window due to the nature of their sample material or the frequency of test events.
- The number of shipments per year is indicated under the format of each program.
- All Test Event Windows open on Wednesdays at 12:01 am (00.01) your local time.
- All Result Deadlines end on Wednesdays at 11:59 pm (23.59) your local time.

### Our system provides automated notices to help you manage your Programs

- Shipment Notice - so you can prepare for the upcoming shipment.
- Test Event Reminder - so you can prepare for the upcoming Test Event.
- Instructions + Worksheets - so you can properly receive, store and test your samples and record submitted results.
- Results Deadline Reminders - so you can submit all results on time.

# IMPORT PERMITS

Contact your local authorities to determine import permit requirements for these programs. Use the Oneworld Accuracy program codes, program names and sample content to ensure that import permits match shipment paperwork.



Sample sets for these programs are classified by IATA as UN3373 Biological Substance, Category B and may require import permits.
















Sample sets for these programs are classified by IATA as UN2814 Infectious Substances Affecting Humans, and may require import permits.



Sample sets for these programs are shipped on dry ice. Dry ice is classified by IATA as UN1845 Dangerous Goods and may require import permits.

















Sample sets for these programs are shipped annually.



Program Code	Program Name	Sample Content	Sample Sets	Your Location		
				International	USA	Canada
AFVP435	Affirm VP Test	Inoculated swab		P?		CL
BACT435	Bacterial Identification	KWIK-STIK™ Ampoule/ swab		P?		CL
BLCU435	Blood Culture	KWIK-STIK™ Ampoule/ swab		P?		CL
CANA435	Candida Antigen	Liquid		P?		CL
CLDA432	Clostridium Difficile Antigen	Liquid		P?		CL
CLDA435	Clostridium Difficile Antigen	Liquid		P?		CL
CMVN435	CMV DNA Qualitative & Viral Load	Human plasma	  	P?	P?	CL
CTNG435	C. trachomatis I N. gonorrhoeae DNA Qualitative	Human plasma	  	P?	P?	CL
DERS435	Dermatophyte Screen	KWIK-STIK™ Ampoule/ swab		P?		CL




## IMPORT PERMITS

GENC432	Genital Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
GENC435	Genital Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
HAPN435	HAV RNA & Parvovirus B19 DNA	Human plasma	  		P?	P?	CL
HBVL435	HBV DNA Viral Load	Human plasma	  		P?	P?	CL
HCVG435	HCV Genotyping	Human plasma	  		P?	P?	CL
HCVL435	HVC RNA Viral Load	Human plasma	  		P?	P?	CL
HCVN435	HCV RNA Qualitative	Human plasma	  		P?	P?	CL
HEPM435	Hepatitis Serology	Human plasma			P?	P?	CL
HEPM4310	Hepatitis Serology	Human plasma			P?	P?	CL
HIVG425	HIV-1 Drug Resistance	Human plasma	  		P?	P?	PHAC
HIVL435	HIV-1 RNA Viral Load	Human plasma	  		P?	P?	PHAC
HPYL432	Helicobacter pylori antibody	Human serum			P?		CL
HSVC432	Herpes Simplex	Human Serum			P?	P?	CL
HSVN435	HSV-1/2 DNA Qualitative	Human plasma	  		P?	P?	CL
MMBS4320	Multimarker Blood Screening Serology	Human plasma			P?	P?	PHAC
MOLC435	Mold/Yeast Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
MRSA435	Methicillin Resistant S. aureus	KWIK-STIK™ Ampoule/ swab			P?		CL

## IMPORT PERMITS

MSPC435	Mycobacterium Species Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
MYPL432	Mycoplasma antibody	Human serum			P?		CL
NATA4315	Multimarker Blood Screening NAT	Human plasma	  		P?	P?	PHAC
NGOS432	Neisseria gonorrhoeae Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
NGOS435	Neisseria gonorrhoeae Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
STAS435	Streptococcus A Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
THRC433	Throat Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
THRC435	Throat Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
TORC435	CMV / Rubella / Toxoplasma Serology	Human plasma			P?	P?	CL
TREP4310	Syphilis Serology	Human plasma			P?	P?	CL
TREP435	Syphilis Serology	Human plasma			P?	P?	CL
URCC432	Urine Colony Count	Quanticult			P?		CL
URIC432	Urine Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
URIC435	Urine Culture	KWIK-STIK™ Ampoule/ swab			P?		CL
VREN435	Vancomycin Resistant Enterococcus	KWIK-STIK™ Ampoule/ swab			P?		CL

## IMPORT PERMITS

YEAC435	Yeast Culture	KWIK-STIK™ Ampoule/ swab		P?	CL
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P? Import permit may be required. Contact your local authorities.

P CFIA and PHAC Import Permits are required.

PHAC PHAC Import Permit is required.

CL Canadian Biosafety Standards and Guidelines (CBSG) CL2 Compliance Letter is required.

## SUBSCRIPTION OPTIONS

We provide 5 Program subscription options to help you manage your testing quality.



**Full subscription.** This is a standalone subscription. You receive one set of samples and submit one set of results for evaluation for each test event in the calendar year. Some programs, which accommodate runs and replicates, allow multiple sets of results to be submitted for evaluation for each test event.



**Report only subscription.** This is an add-on to a Full subscription. You may submit up to 5 additional sets of results for evaluation - at no cost - using the same sample set provided with the Full subscription. Certain programs allow 19 Report only subscriptions. This subscription option is useful for you to assess performance of back-up systems. This subscription option is limited for CLIA participants testing CMS regulated analytes.



**Sample only subscription.** This is an add-on to a Full subscription. You receive an additional set of samples but do not submit a second set of results for evaluation. This subscription option is useful if you need additional sample volume for Report only subscriptions or for internal quality measures.

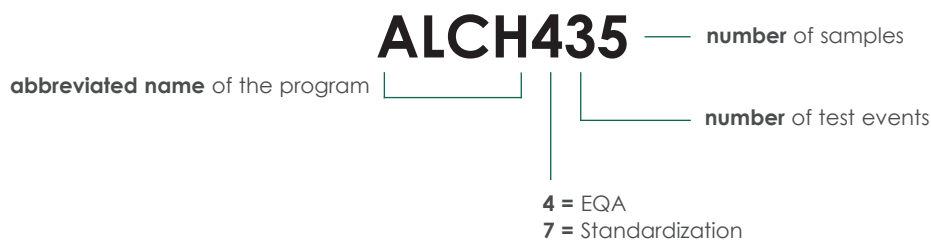


**Off cycle subscription.** This is a stand-alone subscription. You receive one set of samples for a single test event and submit one set of results for evaluation. This subscription option is useful for you to follow-up unexpected or adverse performance and for regulatory compliance.



**Validation subscription.** This is a stand-alone subscription. You receive one set of survey-validated samples with an associated report of survey values, but do not submit results for evaluation. This subscription option is useful for you to troubleshoot, implement a new system or work up new reagents or calibrators.

### Our Order Codes give you Program Details

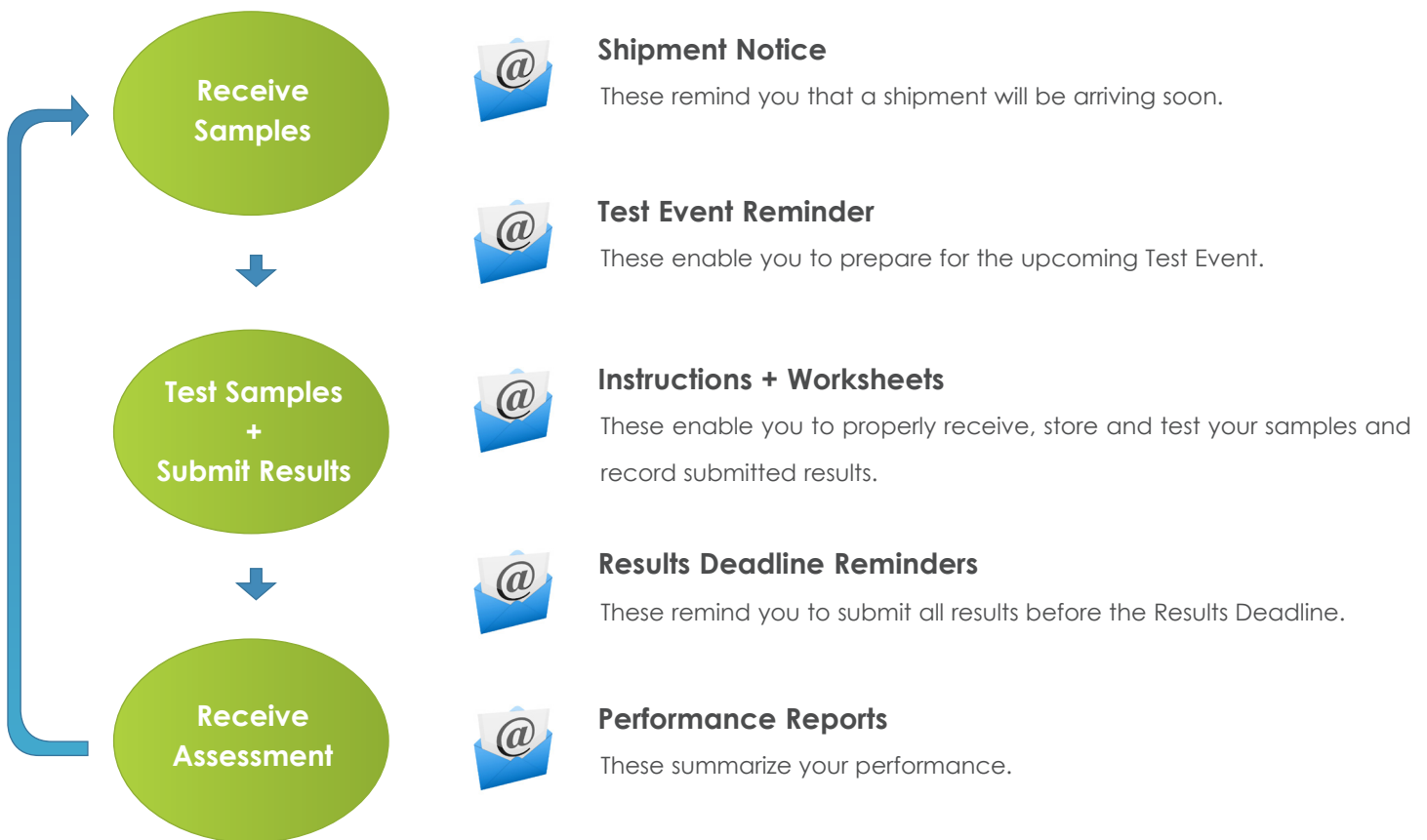


## SYSTEM OVERVIEW

### Getting started

Programs are listed by discipline (see Table of Programs). To order programs, please use the Order Form or Request for Quote provided by your Collaboration Member.

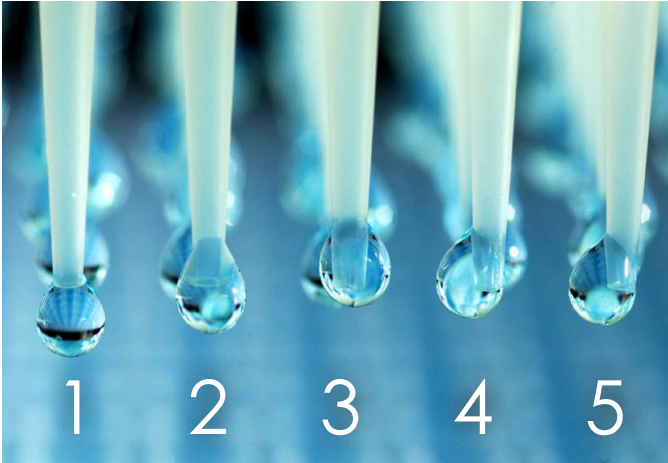
### The Test Event Cycle



### Here's how we acknowledge your commitment to testing quality

For EQA programs, we provide an annual Certificate of Participation listing the disciplines of all programs you participated in. For Standardization Programs, we provide an annual Certificate of Performance for each program in which you met the performance goal.

## +5 FREE REPORT ONLY SUBSCRIPTIONS



Full subscriptions of Oneworld Accuracy programs come with 5 free Report only subscriptions. In other words, you can submit up to 5 additional sets of results for evaluation - at no cost - using the same sample set provided with your Full subscription.

It gets better. If you need additional sample volume for your Report only subscriptions, simply order as many Sample only subscriptions as you require.

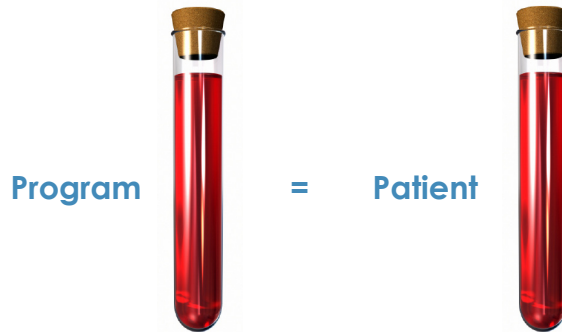
Providing 5 free Report only subscriptions is part of our commitment to provide you with an innovative, cost-effective way to extend EQA to all your testing, including secondary and backup test platforms.

Make sure that you take full advantage of your 5 free Report only subscriptions – simply list how many Report only subscriptions you want for each program on your Order form.

Fine Print. We indicate the available subscription options for every Oneworld Accuracy program. Certain programs have 19 free Report only subscriptions. Some programs are not suitable (e.g. programs with runs and replicates) and some samples are not sufficiently stable (e.g. blood gases) for Report only subscriptions. As well, this subscription option is limited for CLIA participants testing CMS regulated analytes.



## THE FIRST PRINCIPLE



When you participate in our programs, the First Principle is that you must test program samples and report results exactly as you would patient samples.

Our programs are designed to assess how you test patient samples and report results. They are intended to be educational in nature so that if problems are identified, they represent an opportunity for you to improve the quality of your patient testing. We strive to help you so that all of your patients receive accurate, clinically relevant and timely results.

Your commitment to the First Principle ensures that our programs can be a reliable measure for how you test patient samples and report results. This means you must:

- test samples in the same manner and number of times as you test patient samples;
- test samples within the same timeframes as you test patient samples;
- test samples by the same personnel that routinely test patient samples;
- test samples using the same systems used to routinely test patient samples;
- submit results within the same timeframes as you report patient results; and
- not discuss your results with other participants or send your samples for outside testing.

## WHY RESULTS DEADLINES MATTER

Submitting results before the  signals your commitment to the First Principle.

For consistency, all Results Deadlines are on Wednesdays and end at 11:59 pm (23:59) your local time.

Submitting on time enables us to evaluate and communicate your performance as soon as possible.

To give you ample time, all programs have Test Event Windows that exceed routine testing times for patient samples.

The system reminds you of missing results and Results Deadlines. As well, the system helps you meet Results Deadlines:

- To encourage early submission, the system records when your results are submitted and calculates your Turn-Around-Time measured in days before the Results Deadline.
- To discourage late submission, the system does not accept your results if submitted after the Results Deadline.
- To fix clerical errors, the system accepts all changes to your submitted results anytime before the Results Deadline.

## NEW + REVISED FOR 2016

### Monthly EQA

1	CARM4121	Cardiac Markers	New analytes: B-type Natriuretic Peptide, CK-MB Mass - Qualitative, D-Dimer - Qualitative, Myoglobin – Qualitative
2	TUMK4121	Tumor Markers	New analytes: Neuron-specific enolase (NSE), Cancer antigen 72-4 (CA 72-4), Cytokeratin 19 (CYFRA 21-1), Adrenocorticotrophic hormone (ACTH), Chromogranin A (CgA)
3	URIN4121	Urinalysis	Discontinued analyte: Crystal identification

### Standardization Programs

4	GHBB713	Hemoglobin A1c Baseline	Discontinued program
5	GHGB733	Hemoglobin A1c Monitoring	Discontinued analytes: Glycated hemoglobin – A1, Glycated hemoglobin – Total
6	LIPB713	Lipids Baseline	Discontinued program
7	LIPD763	Lipids Monitoring	Discontinued program format
8	LIPD733	Lipids Monitoring	Consolidates LIPD763; Discontinued analyte: Homocysteine
9	LIVM733	Liver Function Monitoring	Discontinued program
10	TPRM733	Total Protein Monitoring	Discontinued program

### Matrix Insensitive Chemistry EQA      Discontinued section

11	BNPS432	B-type Natriuretic Peptide	Replaced by CARM432/435/4121
12	CAMS463/433	Cardiac Markers – Serum	Replaced by CARM435
13	CHEM463	Routine Chemistry	Discontinued program format Moved to Chemistry EQA; Consolidates CHEM463; Discontinued analytes: Beta-hydroxybutyric acid, Bilirubin - direct, Bilirubin - total, Ferritin, hCG, Lactate
14	CHEM433	Routine Chemistry	
15	NBNP432	NT-Pro B-Natriuretic Peptide	Replaced by CARM432/435/4121
16	NEOB435	Neonatal Bilirubin	Moved to Chemistry EQA
17	THDM463	Therapeutic Drug Monitoring	Discontinued program format Moved to Chemistry EQA; Consolidates THDM463; Discontinued analytes: Acetaminophen, Ethanol, Primidone, Salicylates; New analytes: Lamotrigine, Teicoplanin
18	THDM433	Therapeutic Drug Monitoring	
19	URCR435/432	Urea/Creatinine	Discontinued programs

### Chemistry EQA

20	CARM435/432	Cardiac Markers	Consolidates BCAM435/432, BNPS432, CAMS463/433 and NBNP432; New analytes: B-type Natriuretic Peptide, CK-MB Mass - Qualitative, D-Dimer - Qualitative, Myoglobin – Qualitative
21	CHEM433	Routine Chemistry	Consolidates CHEM463; Previously in Matrix Insensitive Chemistry EQA; Discontinued analytes: Beta-hydroxybutyric acid, Bilirubin - direct, Bilirubin - total, Ferritin, hCG, Lactate
22	FOBT4123	Fecal Occult Blood	Replaced by FOBD432
23	FRUC432	Fructosamine	Discontinued program
24	GLHB432	Basic Glycated Hemoglobin	Discontinued analytes: Glycated hemoglobin – A1, Glycated hemoglobin – Total

## NEW + REVISED FOR 2016

25	HCRT435/432	Hematocrit	Discontinued programs
26	NEOB435	Neonatal Bilirubin	Previously in Matrix Insensitive Chemistry EQA
27	ROFM431	Rupture of Fetal Membrane	Discontinued program
28	SPIM432	Special Immunoassay	New analytes: Calcitonin, Osteocalcin
29	THDM433	Therapeutic Drug Monitoring	Consolidates THDM463; Previously in Matrix Insensitive Chemistry EQA; Discontinued analytes: Acetaminophen, Ethanol, Primidone, Salicylates; New analytes: Lamotrigine, Teicoplanin
30	TPRO435	Total Protein	New program
31	TUMK432/443	Tumor Markers	New analytes: Neuron-specific enolase (NSE), Cancer antigen 72-4 (CA 72-4), Cytokeratin 19 (CYFRA 21-1), Adrenocorticotrophic hormone (ACTH), Chromogranin A (CgA)
32	URIN432	Urinalysis	Discontinued analyte: Crystal identification

### Point of Care EQA

33	BCAM432	Basic Cardiac Markers	Replaced by CARM432
34	HCRT432	Hematocrit	Discontinued program
35	ROFM431	Rupture of Fetal Membrane	Discontinued program
36	URIN432	Urinalysis	Discontinued analyte: Crystal identification

### Hematology EQA

37	BFLD432	Body Fluids	Discontinued analyte: Crystal identification
38	HEFx465	Hematology 5-part Differential	Discontinued program format
39	HEFx435	Hematology 5-part Differential	Consolidates HEFx465
40	HEMA465	Hematology	Discontinued program format
41	HEMA435	Hematology	Consolidates HEMA465
42	HETx465	Hematology 3-part Differential	Discontinued program format
43	HETx435	Hematology 3-part Differential	Consolidates HETx465
44	RETD432	Reticulocytes	New program

### Coagulation EQA

45	COAG465	Coagulation	Discontinued program format
46	COAG435	Coagulation	Consolidates COAG465
47	COFH433/443	Hemophilia Coagulation Factors and vWF	New programs

### Transfusion Medicine EQA

48	IMHX444	Comprehensive Immunohematology	New program
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### Diagnostic Immunology EQA

49	AITH433	Thyroid Autoimmunity	Discontinued analyte: Thyroglobulin; New analyte: TSH receptor antibody
50	ANAL435	Anti-nuclear Antibody	Discontinued program

## NEW + REVISED FOR 2016

### Molecular Diagnostics EQA **New section**

51 TBRR432 M. tuberculosis detection and Rifampin resistance New program

### Clinical Serology EQA

52 HIVN435/432 HIV Insti Replaced by HIVA435/432

### Clinical Nucleic Acid Testing EQA

53 DTSI435 Dried Tube Sample HIV-1 Viral Load New program

### Andrology EQA

54 SPAB432 Anti-Sperm Antibody Discontinued program

### Bacteriology EQA

55 BLCU435 Blood Culture New program

56 GENA435 Genital Antigens Discontinued program

57 GEND435 Genital Antigens – Nucleic Acid Replaced by CTNG435

### Mycobacteriology EQA

58 AMBS431 Antimycobacterial Susceptibility Discontinued program

59 MSPC435 Mycobacterium species Culture Discontinued analyte: Antimycobacterial Susceptibility

60 MTUC435 Mycobacterium tuberculosis Culture Discontinued program

### Parasitology EQA

61 PARA435/432 Parasite Antigens Discontinued programs

# MONTHLY EQA




## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

The number of shipments of sample sets is indicated in the program description for each Program.

You will receive a Shipment Notice and Test Event Reminder, which remind you of upcoming shipments and test events, before the Test Event Open. You will need to update and finalize your registration before the Test Event Open to be able to submit results. Late registration may cause you to miss that test event. This is especially important for new participants who may have instruments and reagents not listed in OASYS. These have to be researched and added to OASYS before you can submit results.

All Programs in this section have a 7 day Test Event Window with Results Deadlines indicated below.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, January 20	7 days	Wednesday, January 27
2	Wednesday, February 10	7 days	Wednesday, February 17
3	Wednesday, March 02	7 days	Wednesday, March 09
4	Wednesday, April 13	7 days	Wednesday, April 20
5	Wednesday, May 18	7 days	Wednesday, May 25
6	Wednesday, June 08	7 days	Wednesday, June 15
7	Wednesday, July 06	7 days	Wednesday, July 13
8	Wednesday, August 10	7 days	Wednesday, August 17
9	Wednesday, September 07	7 days	Wednesday, September 14
10	Wednesday, October 19	7 days	Wednesday, October 26
11	Wednesday, November 09	7 days	Wednesday, November 16
12	Wednesday, December 07	7 days	Wednesday, December 14

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation



# MONTHLY EQA

## 1. CHEMISTRY/IMMUNOASSAY

Quantitative | Lyophilized serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>BCHE4121</b>	12 test events x 1 sample x 5 mL 4 shipments	Not compatible with Abbott Vision analyzers using whole blood for HDL cholesterol.
<b>Chemistry</b> Acid phosphatase, non-prostatic Acid phosphatase, prostatic Acid phosphatase, total Alanine aminotransferase (ALT/SGPT) Albumin Aldolase Alkaline phosphatase (ALP) Amylase, total Amylase, pancreatic Aspartate aminotransferase (AST/SGOT) Beta-2 Microglobulin Bile acids Bilirubin, direct Bilirubin, total Calcium – ionized Calcium, total Chloride Cholinesterase CO <sub>2</sub> , total Copper Creatine kinase (CK), total Creatinine Ferritin Gamma-glutamyltransferase (GGT) Glucose Glutamate dehydrogenase Homocysteine Hydroxybutyrate dehydrogenase Iron Iron, total binding capacity (TIBC) Lactate Lactate dehydrogenase (LDH) Lipase Magnesium Osmolality	Phosphate, inorganic Phenylalanine Potassium Protein, total Sodium Transferrin Urea/Urea nitrogen Uric acid Vitamin D – 25-Hydroxy Zinc  <b>Lipids</b> Cholesterol, HDL Cholesterol, LDL Cholesterol, total Triglycerides  <b>Immunoassay</b> 17-Hydroxyprogesterone Aldosterone Alpha-fetoprotein (AFP) Androstenedione Carcinoembryonic antigen (CEA) Cortisol DHEA Sulphate Estradiol Estriol, unconjugated Folate Follicle stimulating hormone (FSH) Fructosamine Growth Hormone Human chorionic gonadotropin (hCG) Immunoglobulin E Insulin Luteinizing hormone (LH) Progesterone	Prolactin Prostate-specific antigen, total (PSA) Sex Hormone Binding Globulin Testosterone Thyroglobulin Thyroid stimulating hormone (TSH) Thyroxine, free (FT <sub>4</sub> ) Thyroxine, total (T <sub>4</sub> ) Triiodothyronine, free (FT <sub>3</sub> ) Triiodothyronine, total (T <sub>3</sub> ) T-uptake Vitamin B12  <b>Therapeutic Drugs</b> Amikacin Carbamazepine Digoxin Ethosuximide Gentamicin Lidocaine Lithium N-acetylprocainamide (NAPA) Phenobarbital Phenytoin Primidone Procainamide Quinidine Salicylate Theophylline Tobramycin Valproic Acid Vancomycin
<b>SUBSCRIPTION OPTIONS</b>		
<b>Full</b>	<b>+RO +5 RO FREE</b>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# MONTHLY EQA

## 2. BLOOD GAS/ELECTROLYTES

<b>Quantitative</b>   <b>Aqueous solution</b>		
ORDER CODE	FORMAT	COMPATIBILITY
<b>BGAS4121</b>	12 test events x 1 sample x 2.5 mL 4 shipments	No known compatibility issues with any method or analyzer.
Calcium, ionized Chloride Creatinine Glucose Lactate	Lithium Magnesium, ionized pCO2 pH pO2	Potassium Sodium Urea
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
Report only subscriptions are not suitable for this program as blood gases dissipate rapidly after samples are opened.		

## 3. CARDIAC MARKERS

<b>Quantitative and/or qualitative</b>   <b>Liquid plasma/serum matrix</b>		
ORDER CODE	FORMAT	COMPATIBILITY
<b>CARM4121</b>	12 test events x 1 sample x 1.5 mL 4 shipments	Compatible with plasma and serum based methods/analyzers.
B-type Natriuretic peptide (BNP) CK-MB (activity) CK-MB (mass) Creatine kinase (CK)	D-dimer hsCRP Myoglobin NT-proBNP	Troponin I Troponin T
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# MONTHLY EQA

## 4. COAGULATION

Quantitative   Lyophilized plasma		
ORDER CODE	FORMAT	COMPATIBILITY
<b>COAG4121</b>	12 test events x 1 sample x 1 mL 4 shipments	Not compatible with Roche CoaguChek, Ciba Corning Biotrack, Dupont Coumatrak, ITC Hemochron Jr./Signature series, i-STAT PCA, i-STAT I, ITC Prottime and whole blood methods.
Activated partial thromboplastin time (APTT) Antithrombin III	Fibrinogen International Normalized Ratio (INR) Prothrombin time (PT)	Thrombin Time
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 5. HEMATOLOGY

Quantitative   Whole Blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>HEMA4121</b>	12 test events x 1 sample x 2 mL 4 shipments	Compatible with all manual, semi-automated and automated CBC methods. Not compatible with BD QBC analyzers.
Hematocrit (by analyzer or spun) Hemoglobin Mean Corpuscular Hemoglobin (MCH)	Mean Corpuscular Hemoglobin Concentration (MCHC) Mean Corpuscular Volume (MCV) Platelet count	Red Blood Cell Count Red Cell Distribution Width (RDW) White Blood Cell Count
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# MONTHLY EQA

## 6. SPECIFIC PROTEINS

<b>Quantitative</b>   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>SPRO4121</b>	12 test events x 1 sample x 2 mL 4 shipments	No known compatibility issues with any method or analyzer.
Albumin Alpha-1-acid glycoprotein Alpha-1-antitrypsin Alpha-2-macroglobulin Alpha-fetoprotein Antistreptolysin O Antithrombin III Beta-2-microglobulin	Ceruloplasmin Complement C3 Complement C4 C-Reactive protein Ferritin Haptoglobin Immunoglobulin A (IgA) Immunoglobulin E (IgE)	Immunoglobulin G (IgG) Immunoglobulin M (IgM) Kappa light chain Lambda light chain Prealbumin Rheumatoid Factor Retinol binding protein Transferrin
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 7. TUMOR MARKERS

<b>Quantitative</b>   Lyophilized serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>TUMK4121</b>	12 test events x 1 sample x 2 mL 4 shipments	No known compatibility issues with any method or analyzer.
Adrenocorticotrophic hormone (ACTH) Alpha-fetoprotein (AFP) Beta-2-microglobulin Cancer antigen 125 (CA 125) Cancer antigen 15-3 (CA 15-3) Cancer antigen 19-9 (CA 19-9) Cancer antigen 27.29 (CA 27.29)	Cancer antigen 72-4 (CA 72-4) Carcinoembryonic antigen (CEA) Chromogranin A (CgA) Cytokeratin 19 (CYFRA 21-1) Ferritin hCG Neuron-specific enolase (NSE)	Prostate-specific antigen (PSA), complex PSA, free PSA, free/total ratio PSA, total Thyroglobulin
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# MONTHLY EQA

## 8. URINE DRUGS OF ABUSE

Qualitative and/or Quantitative		Human urine
ORDER CODE	FORMAT	COMPATIBILITY
<b>UDOA4121</b>	12 test events x 1 sample x 10 mL 4 shipments	No known compatibility issues with any method or analyzer.
Alprazolam Amphetamine Amphetamines/Methamphetamines Barbiturates Benzoyllecgonine Benzodiazepines Buprenorphine Cannabinoids Cocaine Derivatives Codeine Cotinine Delta-9-THC-COOH	Diazepam EDDP Ethanol Flunitrazepam Lorazepam Lysergic acid diethylamide (LSD) MDA MDMA Methadone Methamphetamine Methanol Methaqualone	Morphine - Total Morphine - Free Morphine-3-glucuronide Nortriptyline Opiates Oxycodone Phencyclidine Phenobarbital Propoxyphene Tricyclic Antidepressants
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO +5 RO FREE</b>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 9. URINALYSIS

Qualitative		Urine
ORDER CODE	FORMAT	COMPATIBILITY
<b>URIN4121</b>	12 test events x 1 sample x 12 mL 4 shipments	No known compatibility issues with any method or analyzer.
Bilirubin Bilirubin - Confirmatory Glucose Human chorionic gonadotropin (hCG) Hemoglobin/Blood	Ketones Leukocyte esterase Nitrite Osmolality pH	Protein Reducing substances Specific gravity Urobilinogen
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO +5 RO FREE</b>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## STANDARDIZATION PROGRAMS

### Global Epidemic of Chronic Disease

Chronic diseases, rather than infectious diseases, now account for the majority of global morbidity and mortality. This change is not only evident within the developed world, but also, increasingly within developing countries. Of these diseases, cardiovascular diseases (CVDs) are the most important.



This reality represents an unprecedented public health epidemic worldwide. Not only is the world's population getting older, but it is also becoming more obese and hypertensive as more and more people adopt sedentary lifestyles and adverse diets – a clustering of facts that is contributing significantly to the increasing incidence of diabetes and chronic kidney disease (CKD) around the world.

In response, governments are searching for measures that will reduce the costs associated with the medical management of chronic disease while at the same time looking for ways to identify those at risk so that interventions may be initiated at an earlier stage in the disease process, thereby affording opportunities for prevention. Increasingly, standard requisitions and disease-specific testing algorithms are being introduced as part of broader initiatives aimed at optimizing medical treatments by aligning them with the laboratory tests that are promulgated in evidence-based treatment guidelines. This has served to highlight the impact that laboratory error and inaccurate test results can have when evidence-based medical guidelines are used on a population wide basis.

It is well recognized that CKD and diabetes have a complex inter-relationship with the etiological factors that underlie the atherosclerotic process of cardiovascular diseases. Yet a small number of routine laboratory tests figure prominently in defining the nature of this inter-relationship. They include creatinine, eGFR, hemoglobin A1c and the panel of lipid analytes. These tests are used to identify, diagnose, treat and manage patients that have, or are at risk for, CKD, diabetes and CVD. Identifying patients in early disease stages or with high risk factors provides an opportunity for early, effective, low-cost intervention that can halt or slow the progression of disease.

## STANDARDIZATION PROGRAMS

### Consequence of Non-Standardized Testing

Unfortunately, most laboratories worldwide have not standardized their measurement of these key tests to internationally accepted bases of accuracy. There is significant variation and error among laboratories in their test results and in the normal (reference) intervals and clinical comments they provide to doctors. Consequently, the value of these non-standardized test results for early diagnosis and treatment of these chronic diseases is severely compromised.

Since early signs of kidney disease are subtle, individuals with CKD can appear healthy. Accordingly, the vast majority of individuals worldwide with early stages of CKD go undiagnosed. Given this, the ability of doctors to diagnose early stage CKD relies almost exclusively on receiving standardized, accurate creatinine test results together with correct eGFR values. However, most laboratories worldwide have not standardized their creatinine measurements and very few report eGFR values, let alone eGFR values calculated from standardized creatinine measurements.

Until doctors receive standardized creatinine test results with correct eGFR values, their ability to diagnose early stage CKD will be compromised. This means that individuals can progress undetected from early stages of CKD to kidney failure, from which there are only two outcomes: renal replacement therapy (RRT) or premature death. RRT consists of a lifetime of dialysis or a kidney transplant. For those in the developing world, premature death is by far the most probable outcome. More than 80% of individuals receiving RRT live in the developed world as RRT is largely unavailable or unaffordable in developing countries. Moreover, the presence of CKD is also associated with a large increase in cardiovascular risk. Individuals with CKD have at least a tenfold risk of dying prematurely from CVDs regardless of whether they develop kidney failure.

The case for standardizing creatinine test results with correct eGFR values is compelling. Early detection and treatment of CKD not only slows or halts the progression of patients to end-state kidney disease, but can also significantly reduce the increased incidence of CVDs, the most common cause of premature deaths worldwide. Standardizing hemoglobin A1c can not only lead to early detection of diabetes, a main cause of both CKD and CVD but also can serve as an important yardstick in helping the diabetic and their doctor manage their disease. Standardizing lipid analytes is also important given their critical role in CVD risk assessment and management for diabetic and CKD patients, for whom dyslipidemia is prevalent.

## STANDARDIZATION PROGRAMS

### Turnkey Solution to Standardize Testing

The Standardization Programs are unique, turnkey and proven. They enable participants to standardize their measurements of creatinine (and to report correct eGFR values), hemoglobin A1c and the panel of lipid analytes with documented traceability to internationally accepted bases of accuracy. As well, these Programs enable participants to standardize the accompanying normal (reference) intervals and clinical comments they provide to doctors.

These Standardization Programs support both individual participants and entire networks of participants. Networks can include corporate networks, as well as regional, provincial and national networks. These Programs have been successfully implemented within a number a Canadian provinces and a number of national standardization initiatives are currently in progress. These initiatives draw upon the experience of the Collaboration Secretariat to ensure proper governance, sustainable funding and stakeholder support from laboratory, clinician and patient groups. For more information and assistance in starting a national standardization initiative in your country, please contact [secretariat@oneworldaccuracy.org](mailto:secretariat@oneworldaccuracy.org).

Many analytes within the Standardization Programs have target values assigned using internationally accepted Reference Methods and feature sample sets of human origin that minimize or eliminate matrix effects.




Given that these samples sets are intended to mimic patient samples, they must be tested in the same manner and timeframe as patient samples. Accordingly, all Standardization Programs have a 7 day Test Event Window. Due to the nature of these samples, extensions to Results Deadlines cannot be granted under any circumstances.





# STANDARDIZATION PROGRAMS

## 2016 Test Event Calendar

The following Test Event Calendar applies for GFRB716. Program GFRB716 involves a single test event, which may be scheduled from the following test event options.




			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 09	7 days	Wednesday, March 16
2	Wednesday, April 20	7 days	Wednesday, April 27
3	Wednesday, June 08	7 days	Wednesday, June 15
4	Wednesday, August 24	7 days	Wednesday, August 31
5	Wednesday, September 21	7 days	Wednesday, September 28
6	Wednesday, November 16	7 days	Wednesday, November 23

The following Test Event Calendar applies for GFRM733, GFRR733, GHGB733 and LIPD733. CHOL726 has only two test events following the same opening and deadline dates as listed for Test Events 1 and 3.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 09	7 days	Wednesday, March 16
2	Wednesday, June 08	7 days	Wednesday, June 15
3	Wednesday, September 21	7 days	Wednesday, September 28



# STANDARDIZATION PROGRAMS

The following Test Event Calendar applies for GFRM7123.

			
Test Event Options	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, January 20	7 days	Wednesday, January 27
2	Wednesday, February 17	7 days	Wednesday, February 24
3	Wednesday, March 16	7 days	Wednesday, March 23
4	Wednesday, April 20	7 days	Wednesday, April 27
5	Wednesday, May 18	7 days	Wednesday, May 25
6	Wednesday, June 15	7 days	Wednesday, June 22
7	Wednesday, July 20	7 days	Wednesday, July 27
8	Wednesday, August 17	7 days	Wednesday, August 24
9	Wednesday, September 14	7 days	Wednesday, September 21
10	Wednesday, October 12	7 days	Wednesday, October 19
11	Wednesday, November 16	7 days	Wednesday, November 23
12	Wednesday, December 07	7 days	Wednesday, December 14

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# STANDARDIZATION PROGRAMS

## 1. CERTIFICATION - TOTAL CHOLESTEROL

Quantitative | Human serum  matrix-insensitive

ORDER CODE	FORMAT	COMPATIBILITY
<b>CHOL726</b>	2 test events x 6 samples x 1.5 mL 2 shipments	No known compatibility issues with any method or analyzer.

This Program enables participants to document their ability to measure total cholesterol in accordance with the performance goals established by the National Cholesterol Education Program (NCEP) with traceability to the accuracy base of the Centers for Disease Control and Prevention - Cholesterol Reference Method Laboratory Network (CDC – CRMLN).

### Objectives

Certification - Total Cholesterol provides participants with an assessment of total error, calibration bias and CV in measuring total cholesterol. This Program provides two certification events, each valid for six months.

### Performance Goals

To meet the NCEP performance goals for the measurement of total cholesterol, a participant must operate with an absolute bias  $\leq 3\%$  and a CV  $\leq 3\%$ .

### Challenge Format

Participants are provided two shipments of fresh human serum samples designed to challenge across the range of clinical interest. Samples have target values assigned by the credentialed Reference Method for total cholesterol traceable to the CDC-CRMLN accuracy base. The sample set consists of individual 1.5 mL vials of Samples A - F tested as patient specimens. Samples are tested in duplicate over 3 days:

- Day 1 - A A | B B | C C | D D | E E | F F
- Day 2 - A A | B B | C C | D D | E E | F F
- Day 3 - A A | B B | C C | D D | E E | F F

### Analysis

Results are submitted online, forwarded to the CDC for analysis against the NCEP performance goals and summarized in an electronic Performance Report which:

- Details total cholesterol test results versus target values.
- Reports total error, calibration bias and CV in measuring total cholesterol.
- Correlates the laboratory method with the credentialed Reference Method.
- Graphs the bias of the laboratory method relative to target values.

### Certificate

Participants who measure total cholesterol within the NCEP performance goals receive a Certificate of Traceability from the CDC-CRMLN recognizing their successful completion of Certification - Total Cholesterol.

### SUBSCRIPTION OPTIONS

Full
+RO +5 RO FREE
+SO
OC
VA

# STANDARDIZATION PROGRAMS

## 2. eGFR BASELINE

Quantitative | Human serum  matrix-insensitive

ORDER CODE	FORMAT	COMPATIBILITY
<b>GFRB716</b>	1 test event x 6 samples x 1 mL 1 shipment	No known compatibility issues with any method or analyzer.

### Objectives

eGFR Baseline includes eGFR Calculation at no charge. eGFR Baseline provides participants with:

- a baseline assessment of total error, calibration bias and CV in measuring creatinine.
- a custom Bias Correction Formula to correct any calibration bias.
- validation of their custom Bias Correction Formula for reducing creatinine measurement error.

### Performance Goals

Participants are assessed on the basis of three different total error performance goals. The optimal total error performance goal is  $\leq 3.5\%$ .

### Challenge Format

Participants are provided a single shipment of human serum samples designed to challenge at the clinical decision levels for diagnosis of early-stage kidney disease. Samples have target values assigned by the ID-GCMS Reference Method. The sample set consists of individual 1 mL vials of Samples A - F tested as patient specimens. Samples A - C are tested in triplicate and Samples D - F are tested once over 3 days:

- **Day 1** - A A A | B B B | C C C | D
- **Day 2** - A A A | B B B | C C C | E
- **Day 3** - A A A | B B B | C C C | F

### Analysis

Results are submitted online, analyzed against the three different total error performance goals for creatinine and summarized in an electronic Performance Report which:

- Details creatinine values versus target values.
- Reports total error, calibration bias and CV in measuring creatinine.
- Correlates the laboratory method with the ID-GCMS Reference Method.
- Graphs the bias of the laboratory method relative to target values.
- Provides a custom Bias Correction Formula that can be used to correct calibration bias.
- Validates the use of this custom Bias Correction Formula in reducing measurement error for creatinine.

### SUBSCRIPTION OPTIONS



# STANDARDIZATION PROGRAMS

## 3. eGFR CALCULATION

Quantitative | Cases

ORDER CODE	FORMAT	COMPATIBILITY
<b>GFRC715</b>	1 test event x 5 case histories 1 shipment	No known compatibility issues with any method or analyzer.

### Objectives

eGFR Calculation is included with eGFR Baseline at no charge. eGFR Calculation provides participants with an assessment of their ability to calculate corrected creatinine values using the custom Bias Correction Formula (provided with eGFR Baseline) and to report correct eGFR values using either the CKD-EPI or MDRD equation.

### Challenge Format

Participants are provided five case histories, each consisting of patient information and a creatinine result. For each case history, participants are required to calculate a corrected creatinine result using the custom Bias Correction Formula, if required, and report an eGFR value using either the CKD-EPI or MDRD equation.

### Analysis

Results are submitted online, analyzed against the CKD-EPI or MDRD equation, and summarized in an electronic Performance Report. This Report provides for each case history:

- The corrected creatinine value using the custom Bias Correction Formula if required.
- The correct eGFR value using either the CKD-EPI or MDRD equation.

### SUBSCRIPTION OPTIONS



# STANDARDIZATION PROGRAMS

## 4. eGFR MONITORING

Quantitative | Human serum  matrix-insensitive

ORDER CODES	FORMAT	COMPATIBILITY
<b>GFRM7123</b>	12 test events x 3 samples x 1 mL 1 shipment	No known compatibility issues with any method or analyzer.
<b>GFRM733</b>	3 test events x 3 samples x 1 mL	
<b>GFRR733</b>	3 shipments	

Both the CKD-EPI and MDRD equations include a factor for patients of African American descent. GFRM7123 and GFRR733 are suitable for participants serving a patient population including those of African American descent. GFRM733 is best suited for participants serving a patient population which does not include those of African American descent.

### Objectives

eGFR Monitoring provides participants with an on-going assessment of total error in measuring creatinine and accuracy in reporting eGFR using either the CKD-EPI or MDRD equation.

### Performance Goals

Participants are assessed on the basis of three different total error performance goals. The optimal total error performance goal is  $\leq 3.5\%$ .

### Challenge Format

Participants are provided with human serum samples designed to challenge at the clinical decision levels for diagnosis of early-stage kidney disease. Samples have target values assigned by the ID-GCMS Reference Method. The sample set consists of Samples A - C, each with a case history. Samples are tested as patient specimens. Participants are required to:

- Provide uncorrected creatinine values.
- If they apply any correction formula, then provide the formula and corrected creatinine values.
- Report eGFR using either the CKD-EPI or MDRD equation.

### Analysis

Results are submitted online, analyzed against the three different total error performance goals for creatinine and summarized in an electronic Performance Report which:

- Details creatinine values versus target values.
- Validates the use of any applied correction formula in reducing measurement error for creatinine.
- Provides correct eGFR values using either the CKD-EPI or MDRD equation.
- Provides corrected creatinine values if a custom Bias Correction Formula is applied.

### Certificate

Participants who consistently measure creatinine within the optimal total error performance goal of  $\leq 3.5\%$  and who calculate correct eGFR values for all case histories provided receive a Certificate of Performance recognizing their successful completion of eGFR Monitoring.

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

# STANDARDIZATION PROGRAMS

**GFRC715 | GFRM7123 | GFRM733 | GFRR733**

## **MDRD (Modification of Diet in Renal Disease) equation:**

For Creatinine reported in mg/dL:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 175 \times (P_{\text{creatinine}})^{-1.154} \times (\text{Age})^{-0.203} \times (0.742 \text{ if Female}) \times (1.210 \text{ if African American})$$

For Creatinine reported in  $\mu\text{mol/L}$ :

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 30848.92 \times (P_{\text{creatinine}})^{-1.154} \times (\text{Age})^{-0.203} \times (0.742 \text{ if Female}) \times (1.210 \text{ if African American})$$

## **CKD-EPI (Chronic Kidney Disease Epidemiology Collaboration) equation:**

For Creatinine values  $\leq 0.7$  mg/dL in females:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/0.7)^{-0.329} \times (0.993)^{\text{Age}} \times 1.018 \times (1.159 \text{ if African American})$$

For Creatinine values  $> 0.7$  mg/dL in females:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/0.7)^{-1.209} \times (0.993)^{\text{Age}} \times 1.018 \times (1.159 \text{ if African American})$$

For Creatinine values  $\leq 0.9$  mg/dL in males:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/0.9)^{-0.411} \times (0.993)^{\text{Age}} \times (1.159 \text{ if African American})$$

For Creatinine values  $> 0.9$  mg/dL in males:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/0.9)^{-1.209} \times (0.993)^{\text{Age}} \times (1.159 \text{ if African American})$$

For Creatinine values  $\leq 62$   $\mu\text{mol/L}$  in females:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/62)^{-0.329} \times (0.993)^{\text{Age}} \times 1.018 \times (1.159 \text{ if African American})$$

For Creatinine values  $> 62$   $\mu\text{mol/L}$  in females:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/62)^{-1.209} \times (0.993)^{\text{Age}} \times 1.018 \times (1.159 \text{ if African American})$$

For Creatinine values  $\leq 80$   $\mu\text{mol/L}$  in males:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/80)^{-0.411} \times (0.993)^{\text{Age}} \times (1.159 \text{ if African American})$$

For Creatinine values  $> 80$   $\mu\text{mol/L}$  in males:

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 141 \times (P_{\text{creatinine}}/80)^{-1.209} \times (0.993)^{\text{Age}} \times (1.159 \text{ if African American})$$

# STANDARDIZATION PROGRAMS

## 5. HEMOGLOBIN A1c MONITORING

Quantitative | Lyophilized blood  matrix-insensitive

ORDER CODE	FORMAT	COMPATIBILITY
<b>GHGB733</b>	3 test events x 3 samples x 0.2 mL 3 shipments	No known compatibility issues with any method or analyzer.

Hemoglobin A<sub>1c</sub> 




### SUBSCRIPTION OPTIONS

+5 RO FREE

## 6. LIPIDS MONITORING

Quantitative | Human serum  matrix-insensitive

ORDER CODE	FORMAT	COMPATIBILITY
<b>LIPD733</b>	3 test events x 3 samples x 1.5 mL 3 shipments	No known compatibility issues with any method or analyzer.

Apolipoprotein A1	HDL cholesterol 	Triglycerides 
Apolipoprotein B	LDL cholesterol	
Cholesterol, total 	Lipoprotein (a) (Lp(a))	

### SUBSCRIPTION OPTIONS




+5 RO FREE






# CHEMISTRY EQA

## 2016 Test Event Calendar




The following Test Event Calendar applies for CHEM433, NEOB435 and THDM433.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 09	7 days	Wednesday, March 16
2	Wednesday, June 08	7 days	Wednesday, June 15
3	Wednesday, September 21	7 days	Wednesday, September 28

The following Test Event Calendar applies to all other 3 test event Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

The following Test Event Calendar applies for BCHE443, CCHM443, ENDO443, SPRO442, TOXI443, TUMK443, UDOA443.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09
4	Wednesday, November 23	21 days	Wednesday, December 14

## CHEMISTRY EQA

### Subscription Options

The following Subscription options are available for Programs in this section.



Full



Report only



Sample only



Off cycle



Validation



Monthly

Monthly formats for certain Programs in this section are available. See Monthly EQA section.

# CHEMISTRY EQA

## 1. ALCOHOL

Quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>ALCH435</b>	3 test events x 5 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.
Acetone		Ethanol
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 2. AMMONIA

Quantitative | Aqueous solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>AMMN432</b>	3 test events x 2 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.
Ammonia		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# CHEMISTRY EQA

## 3. CHEMISTRY/IMMUNOASSAY

Quantitative | Lyophilized serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>BCHE435</b>	3 test events x 5 samples x 5 mL 3 shipments	<b>Not compatible</b> with Abbott Vision analyzers using whole blood for HDL cholesterol.
<b>BCHE443</b>	4 test events x 3 samples x 5 mL 3 shipments	

**Chemistry**

Acid phosphatase, non-prostatic  
 Acid phosphatase, prostatic  
 Acid phosphatase, total  
 Alanine aminotransferase (ALT/SGPT)  
 Albumin  
 Aldolase  
 Alkaline phosphatase (ALP)  
 Amylase, total  
 Amylase, pancreatic  
 Aspartate aminotransferase (AST/SGOT)  
 Beta-2 Microglobulin  
 Bile acids  
 Bilirubin, direct  
 Bilirubin, total  
 Calcium – ionized  
 Calcium, total  
 Chloride  
 Cholinesterase  
 CO<sub>2</sub>, total  
 Copper  
 Creatine kinase (CK), total  
 Creatinine  
 Ferritin  
 Gamma-glutamyltransferase (GGT)  
 Glucose  
 Glutamate dehydrogenase  
 Homocysteine  
 Hydroxybutyrate dehydrogenase  
 Iron  
 Iron, total binding capacity (TIBC)  
 Lactate  
 Lactate dehydrogenase (LDH)  
 Lipase  
 Magnesium  
 Osmolality

Phosphate, inorganic  
 Phenylalanine  
 Potassium  
 Protein, total  
 Sodium  
 Transferrin  
 Urea/Urea nitrogen  
 Uric acid  
 Vitamin D – 25-Hydroxy  
 Zinc

**Lipids**

Cholesterol, HDL  
 Cholesterol, LDL  
 Cholesterol, total  
 Triglycerides

**Immunoassay**

17-Hydroxyprogesterone  
 Aldosterone  
 Alpha-fetoprotein (AFP)  
 Androstenedione  
 Carcinoembryonic antigen (CEA)  
 Cortisol  
 DHEA Sulphate  
 Estradiol  
 Estriol, unconjugated  
 Folate  
 Follicle stimulating hormone (FSH)  
 Fructosamine  
 Growth Hormone  
 Human chorionic gonadotropin (hCG)  
 Immunoglobulin E  
 Insulin  
 Luteinizing hormone (LH)  
 Progesterone

Prolactin  
 Prostate-specific antigen, total (PSA)  
 Sex Hormone Binding Globulin  
 Testosterone  
 Thyroglobulin  
 Thyroid stimulating hormone (TSH)  
 Thyroxine, free (FT4)  
 Thyroxine, total (T4)  
 Triiodothyronine, free (FT3)  
 Triiodothyronine, total (T3)  
 T-uptake  
 Vitamin B12

**Therapeutic Drugs**

Acetaminophen  
 Amikacin  
 Carbamazepine  
 Digoxin  
 Ethosuximide  
 Gentamicin  
 Lidocaine  
 Lithium  
 N-acetylprocainamide (NAPA)  
 Phenobarbital  
 Phenytoin  
 Primidone  
 Procainamide  
 Quinidine  
 Salicylate  
 Theophylline  
 Tobramycin  
 Valproic Acid  
 Vancomycin

**SUBSCRIPTION OPTIONS**

Full

+RO +5 RO FREE

+SO

OC

VA







MO

A monthly format of this Program is available. See Monthly EQA section.

# CHEMISTRY EQA







## 4. BLOOD GAS / ELECTROLYTES

Quantitative | Aqueous solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>BGAS435</b>	3 test events x 5 samples x 2.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>BGAS432</b> for waived testing methods only	3 test events x 2 samples x 2.5 mL 3 shipments	
Calcium, ionized Chloride Creatinine Glucose Lactate	Lithium Magnesium, ionized pCO <sub>2</sub> pH pO <sub>2</sub>	Potassium Sodium Urea
SUBSCRIPTION OPTIONS		
		
		
	A monthly format of this Program is available. See Monthly EQA section.	
Report only subscriptions are not suitable for this program as blood gases dissipate rapidly after samples are opened.		

## 5. CARDIAC MARKERS

Quantitative and/or qualitative | Liquid plasma/serum matrix

ORDER CODE	FORMAT	COMPATIBILITY
<b>CARM435</b>	3 test event x 5 samples x 1.5 mL 3 shipments	Compatible with plasma and serum based methods/analyzers.
<b>CARM432</b> for waived testing methods only	3 test events x 2 sample x 1.5 mL 3 shipments	
B-type Natriuretic peptide (BNP) CK-MB (activity) CK-MB (mass) Creatine Kinase	D-dimer hsCRP Myoglobin NT-proBNP	Troponin I Troponin T
SUBSCRIPTION OPTIONS		
	 +5 RO FREE	
		
	A monthly format of this Program is available. See Monthly EQA section.	

# CHEMISTRY EQA

## 6. CLINICAL CHEMISTRY


Quantitative | Lyophilized Serum

ORDER CODE	FORMAT	COMPATIBILITY		
<b>CCHM435</b>	3 test events x 5 samples x 5 mL 3 shipments	<b>Not compatible</b> with Abbott Vision analyzers using whole blood for HDL cholesterol.		
<b>CCHM432</b> for waived testing methods only	3 test events x 2 samples x 5 mL 3 shipments			
<b>CCHM443</b>	4 test events x 3 samples x 5 mL 3 shipments			
Acid phosphatase, total Alanine aminotransferase (ALT/SGPT) Albumin Alkaline phosphatase Amylase Amylase - Pancreatic Aspartate aminotransferase (AST/SGOT) Bicarbonate Bilirubin, direct Bilirubin, total Calcium Chloride	Cholesterol, HDL Cholesterol, LDL Cholesterol, total Cholinesterase CO <sub>2</sub> , total Creatinine kinase (CK) Creatinine Ferritin Gamma-glutamyltransferase (GGT) Glucose Iron Iron, total binding capacity (TIBC)	Lactate Lactate dehydrogenase (LD) Lipase Magnesium Osmolality Phosphorus Potassium Protein, total Sodium Triglycerides Urea/Urea nitrogen Uric acid		
SUBSCRIPTION OPTIONS				
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>	<b>OC</b>	<b>VA</b>













# CHEMISTRY EQA

## 7. ROUTINE CHEMISTRY

Quantitative | Human serum  matrix-insensitive

This Program features samples of human origin intended to minimize or eliminate matrix effects. Analytes with target values assigned by reference methods are identified with this icon:  This Program has a 7 day Test Event Window due to the nature of its samples. Extensions to Results Deadlines cannot be granted under any circumstances.

ORDER CODE	FORMAT	COMPATIBILITY
<b>CHEM433</b>	3 test events x 3 samples x 3.5 mL 3 shipments	No known compatibility issues with any method or analyzer.

- |   |   |   |
|---|---|---|
| Alanine aminotransferase (ALT/SGPT)    | Creatinine                       | Magnesium    |
| Albumin   | Ferritin  | Osmolality  |
| Alkaline phosphatase (ALP)  | Gamma-glutamyltransferase (GGT)  | Phosphorus  |
| Amylase   | Glucose                          | Potassium    |
| Amylase, pancreatic   | Iron  | Protein, total  |
| Aspartate aminotransferase (AST/SGOT)  | Iron, total binding capacity (TIBC)   | Sodium       |
| Calcium                                | Iron, unsaturated binding capacity  | Transferrin   |
| Chloride  | Lactate dehydrogenase (LD)      | Urea/Urea nitrogen  |
| CO <sub>2</sub> , total   | Lipase  | Uric acid  |
| Creatine kinase (CK)  | Lithium                        |   |

### SUBSCRIPTION OPTIONS

- Full
+RO +5 RO FREE
+SO
OC
VA

## 8. CO-OXIMETRY

Quantitative | Lyophilized Hb solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>COHB435</b>	3 test events x 5 samples x 2 mL 3 shipments	<b>Not compatible</b> with Abbott i-STAT or AVL OPTI CCA.
<b>COHB432</b> for waived testing methods only	3 test events x 2 samples x 2 mL 3 shipments	

- |                    |               |               |
|--------------------|---------------|---------------|
| Carboxyhemoglobin  | Methemoglobin | Oxyhemoglobin |
| Hemoglobin - Total |               |               |

### SUBSCRIPTION OPTIONS

- Full
+RO +5 RO FREE
+SO
OC
VA

# CHEMISTRY EQA

## 9. CEREBROSPINAL FLUID CHEMISTRY

Quantitative | Simulated CSF

ORDER CODE	FORMAT	COMPATIBILITY
<b>CSFT432</b>	3 test events x 2 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.
Albumin Chloride Glucose Immunoglobulin G (IgG)	Lactate Lactate dehydrogenase (LD) Potassium	Protein, total Sodium
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 10. ENDOCRINOLOGY

Quantitative | Lyophilized Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>ENDO435</b>	3 test events x 5 samples x 5 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>ENDO432</b> for waived testing methods only	3 test events x 2 samples x 5 mL 3 shipments	
<b>ENDO443</b>	4 test events x 3 samples x 5 mL 3 shipments	
17-Hydroxyprogesterone Aldosterone Alpha-fetoprotein (AFP) Androstenedione Cortisol DHEA Sulphate Estradiol Estriol, unconjugated Follicle Stimulating Hormone	Fructosamine Growth Hormone Human chorionic gonadotropin (hCG) Insulin Luteinizing Hormone Progesterone Prolactin Sex Hormone Binding Globulin Testosterone	Thyroglobulin Thyroid stimulating hormone (TSH) Thyroxine (T4) Thyroxine, free (FT4) Triiodothyronine (T3) Triiodothyronine, free (FT3) T-uptake
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>



# CHEMISTRY EQA

## 11. FETAL FIBRONECTIN

Qualitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>FFIB432</b>	3 test events x 2 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Fetal fibronectin		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 12. BODY FLUID CHEMISTRY

Quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>FLCH433</b>	3 test events x 3 samples x 3 mL 3 shipments	No known compatibility issues with any method or analyzer.
Albumin Amylase Cholesterol, total	Creatinine Glucose Lactate dehydrogenase (LD)	pH Protein, total Triglycerides
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>






## 13. OCCULT BLOOD

Qualitative and/or quantitative   Aqueous Solution		
ORDER CODE	FORMAT	COMPATIBILITY
<b>FOBD432</b>	3 test events x 2 samples x 1.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Occult blood		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>








# CHEMISTRY EQA

## 16. i-STAT BLOOD GAS/ELECTROLYTES/HEMATOCRIT

Quantitative   Aqueous solution				
ORDER CODE	FORMAT	COMPATIBILITY		
<b>IBGH435</b>	3 test events x 5 samples x 2.5 mL 3 shipments	Compatible with i-STAT analyzers <b>only</b> .		
<b>IBGH432</b> for waived testing methods only	3 test events x 2 samples x 2.5 mL 3 shipments			
Calcium-ionized Chloride Creatinine CO2 Total Glucose	Hematocrit Hemoglobin - Calculated Lactate pCO2 pH	pO2 Potassium Sodium Urea nitrogen		
SUBSCRIPTION OPTIONS				
				
Report only subscriptions are not suitable for this program as blood gases dissipate rapidly after samples are opened.				


## 17. KETONES

Qualitative and/or quantitative   Aqueous Solution				
ORDER CODE	FORMAT	COMPATIBILITY		
<b>KETN432</b>	3 test events x 2 samples x 2 mL 3 shipments	<b>Not compatible</b> with Abbott MediSense Optium.		
Beta-hydroxybutyric acid	Ketones			
SUBSCRIPTION OPTIONS				
	 +5 RO FREE			

# CHEMISTRY EQA

## 18. NEONATAL BILIRUBIN

Quantitative | Human serum  matrix-insensitive

This Program features samples of human origin intended to minimize or eliminate matrix effects. Analytes with target values assigned by reference methods are identified with this icon:  This Program has a 7 day Test Event Window due to the nature of its samples. Extensions to Results Deadlines cannot be granted under any circumstances.

ORDER CODE	FORMAT	COMPATIBILITY
<b>NEOB435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.

Bilirubin, direct Bilirubin, total 

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

## 19. NITRAZINE

Qualitative | Liquid

ORDER CODE	FORMAT	COMPATIBILITY
<b>NITZ431</b>	3 test events x 1 sample x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.

Nitrazine

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

## 20. HUMAN CHORIONIC GONADOTROPIN

Qualitative and/or quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>SHCG435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>SHCG432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	

Human chorionic gonadotropin (hCG)

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

# CHEMISTRY EQA

## 21. SPECIAL CHEMISTRY

Quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>SPCH432</b>	3 test events x 2 samples x 5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Acid phosphatase, prostatic Carcinoembryonic antigen (CEA) DHEA-sulphate Estradiol Estriol, total Estriol, unconjugated	Ferritin Folate Follicle stimulating hormone (FSH) Homocysteine Luteinizing hormone (LH) Prealbumin	Progesterone Prolactin Prostate-specific antigen (PSA), total Testosterone Transferrin Vitamin B12
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 22. SPECIAL IMMUNOASSAY

Quantitative   Lyophilized serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>SPIM432</b>	3 test events x 2 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.
C-peptide Calcitonin	Insulin Osteocalcin	Parathyroid hormone Vitamin D, 25-Hydroxy
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# CHEMISTRY EQA

## 23. SPECIFIC PROTEINS

Quantitative   Serum				
ORDER CODE	FORMAT	COMPATIBILITY		
<b>SPRO435</b>	3 test events x 5 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.		
<b>SPRO442</b>	4 test events x 2 samples x 2 mL 3 shipments			
Albumin Alpha-1-acid glycoprotein Alpha-1-antitrypsin Alpha-2-macroglobulin Alpha-fetoprotein Antistreptolysin O Antithrombin III Beta-2-microglobulin	Ceruloplasmin Complement C3 Complement C4 C-Reactive protein Ferritin Haptoglobin Immunoglobulin A (IgA) Immunoglobulin E (IgE)	Immunoglobulin G (IgG) Immunoglobulin M (IgM) Kappa light chain Lambda light chain Prealbumin Rheumatoid Factor Retinol binding protein Transferrin		
SUBSCRIPTION OPTIONS				
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>	<b>OC</b>	<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.			

## 24. SPECIAL URINE CHEMISTRY

Quantitative   Lyophilized human urine				
ORDER CODE	FORMAT	COMPATIBILITY		
<b>SPUC432</b>	3 test events x 2 samples x 20 mL 3 shipments	No known compatibility issues with any method or analyzer.		
17-Hydroxycorticosteroids 17-Ketogenic steroids 3-Methoxytyramines 5-Hydroxyindoleacetic acid Aldosterone Catecholamines, free	Coproporphyrins Cortisol, free Dopamine Epinephrine Homovanillic acid	Metanephrine Norepinephrine Normetanephrine Uroporphyrin Vanillylmandelic acid		
SUBSCRIPTION OPTIONS				
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>	<b>OC</b>	<b>VA</b>

## CHEMISTRY EQA

### 25. IMMUNOSUPPRESSANTS

Quantitative   Lyophilized whole blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>SUPR432</b>	3 test events x 2 samples x 3 mL 3 shipments	No known compatibility issues with any method or analyzer.
Cyclosporine Everolimus	Sirolimus	Tacrolimus
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>


### 26. SWEAT TESTING




















Quantitative   Aqueous solution		
ORDER CODE	FORMAT	COMPATIBILITY
<b>SWEA433</b>	3 test events x 3 samples x 3 mL 3 shipments	No known compatibility issues with any method or analyzer.
Chloride Conductivity	Osmolality	Sodium
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# CHEMISTRY EQA

## 27. THERAPEUTIC DRUG MONITORING






Quantitative | Human Serum  matrix-insensitive

This Program features samples of human origin intended to minimize or eliminate matrix effects. Analytes with target values assigned by reference methods are identified with this icon:  This Program has a 7 day Test Event Window due to the nature of its samples. Extensions to Results Deadlines cannot be granted under any circumstances.

ORDER CODE	FORMAT	COMPATIBILITY
<b>THDM433</b>	3 test events x 3 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Amikacin  Carbamazepine  Digoxin  Gentamicin  Lamotrigine 	Lithium  Methotrexate  Phenobarbital  Phenytoin  Teicoplanin 	Theophylline  Tobramycin  Valproic acid  Vancomycin 
SUBSCRIPTION OPTIONS		
	 +5 RO FREE	  

## 28. PHARMACOLOGY

Quantitative | Lyophilized serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>TOXI435</b>	3 test events x 5 samples x 5 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>TOXI432</b> for waived testing methods only	3 test events x 2 samples x 5 mL 3 shipments	
<b>TOXI443</b>	4 test events x 3 samples x 5 mL 3 shipments	
Acetaminophen Amikacin Carbamazepine Digoxin Ethosuximide Gentamicin Lidocaine	Lithium N-acetyl procainamide Phenobarbital Phenylalanine Phenytoin Primidone Procainamide	Quinidine Salicylates Theophylline Tobramycin Valproic acid Vancomycin
SUBSCRIPTION OPTIONS		
	 +5 RO FREE	  



# CHEMISTRY EQA

## 29. TOTAL PROTEIN

**\*New Program**

Quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>TPRO435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Protein, total		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 30. TRACE ELEMENTS - BLOOD

Quantitative   Lyophilized whole blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>TRBD432</b>	3 test events x 2 samples x 3 mL 3 shipments	No known compatibility issues with any method or analyzer.
Arsenic Cadmium Chromium	Lead Manganese Mercury	Selenium Thallium
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 31. TRACE ELEMENTS - SERUM

Quantitative   Lyophilized serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>TRSE432</b>	3 test events x 2 samples x 5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Aluminium Cadmium Calcium Chromium	Copper Iron Magnesium Manganese	Nickel Selenium Silver Zinc
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## CHEMISTRY EQA

### 32. TRACE ELEMENTS - URINE

Quantitative | Lyophilized urine

ORDER CODE	FORMAT	COMPATIBILITY
<b>TRUR432</b>	3 test events x 2 samples x 5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Aluminium Arsenic Cadmium Calcium Chromium Cobalt	Copper Creatinine Fluoride Iron Lead Manganese	Mercury Molybdenum Nickel Selenium Vanadium Zinc
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

### 33. TUMOR MARKERS

Quantitative | Lyophilized serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>TUMK432</b>	3 test events x 2 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>TUMK443</b>	4 test events x 3 samples x 2 mL 3 shipments	
Adrenocorticotrophic hormone (ACTH) Alpha-fetoprotein (AFP) Beta-2-microglobulin Cancer antigen 125 (CA 125) Cancer antigen 15-3 (CA 15-3) Cancer antigen 19-9 (CA 19-9) Cancer antigen 27.29 (CA 27.29)	Cancer antigen 72-4 (CA 72-4) Carcinoembryonic antigen (CEA) Chromogranin A (CgA) Cytokeratin 19 (CYFRA 21-1) Ferritin hCG Neuron-specific enolase (NSE)	Prostate-specific antigen (PSA), complex PSA, free PSA, free/total ratio PSA, total Thyroglobulin
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	

## CHEMISTRY EQA

### 34. URINE DRUGS OF ABUSE

Qualitative and/or Quantitative		Human urine
ORDER CODE	FORMAT	COMPATIBILITY
<b>UDO A432</b>	3 test events x 2 sample x 10 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>UDO A443</b>	4 test events x 3 sample x 10 mL 3 shipments	
Alprazolam Amphetamine Amphetamines/Methamphetamines Barbiturates Benzoyllecgonine Benzodiazepines Buprenorphine Cannabinoids Cocaine Derivatives Codeine Cotinine Delta-9-THC-COOH Diazepam EDDP Ethanol Flunitrazepam Lorazepam Lysergic acid diethylamide (LSD) MDA MDMA Methadone Methamphetamine Methanol Methaqualone Morphine - Total Morphine - Free Morphine-3-glucuronide Nortriptyline Opiates Oxycodone Phencyclidine Phenobarbital Propoxyphene Tricyclic Antidepressants		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	

### 35. URINE hCG

Qualitative		Urine
ORDER CODE	FORMAT	COMPATIBILITY
<b>UHCG435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>UHCG432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	
Human chorionic gonadotropin (hCG)		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# CHEMISTRY EQA

## 36. URINE CHEMISTRY

Quantitative   Urine		
ORDER CODE	FORMAT	COMPATIBILITY
<b>URCH432</b>	3 test events x 2 samples x 10 mL 3 shipments	No known compatibility issues with any method or analyzer.
Albumin Amylase Calcium Chloride Creatinine	Glucose Magnesium Osmolality Phosphorus Potassium	Protein, total Sodium Urea/Urea nitrogen Uric acid
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 37. URINALYSIS

Qualitative and/or quantitative   Urine		
ORDER CODE	FORMAT	COMPATIBILITY
<b>URIN432</b>	3 test events x 2 samples x 12 mL 3 shipments	No known compatibility issues with any method or analyzer.
Bilirubin Bilirubin - Confirmatory Glucose Human chorionic gonadotropin (hCG) Hemoglobin/Blood	Ketones Leukocyte esterase Nitrite Osmolality pH	Protein Reducing substances Specific gravity Urobilinogen
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	

# CHEMISTRY EQA

## 38. URINE MICROALBUMIN

Qualitative and/or quantitative   Urine		
ORDER CODE	FORMAT	COMPATIBILITY
<b>URMA432</b>	3 test events x 2 samples x 3 mL 3 shipments	No known compatibility issues with any method or analyzer.
Albumin / creatinine ratio	Creatinine	Microalbumin
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## 39. URINE SEDIMENT

Qualitative   Photo and online digital image		
ORDER CODE	FORMAT	COMPATIBILITY
<b>USED432</b>	3 test events x 2 photos 3 shipments	Each photo / image comes with a case study. Your results are compared to those of Advisory Committee.
Urine sediment		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## 40. WHOLE BLOOD GLUCOSE

Quantitative   Whole blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>WGLU435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>WGLU432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	
Whole blood glucose		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +19 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

# CHEMISTRY EQA

## 41. WHOLE BLOOD HEMOGLOBIN




Quantitative | Whole blood

ORDER CODE	FORMAT	COMPATIBILITY
<b>WHGN435</b>	3 test events x 5 samples x 1 mL 3 shipments	<b>Not compatible</b> with HemoCue Plasma Low/Hb, Donor Hb Checker or Hb 301 Photometers.
<b>WHGN432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	
Hemoglobin		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +19 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# POINT OF CARE EQA







## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

 <b>Full</b>	 <b>Report only</b>	 <b>Sample only</b>	 <b>Off cycle</b>	 <b>Validation</b>
 <b>Monthly</b>	Monthly formats for certain Programs in this section are available. See Monthly EQA section.			

# POINT OF CARE EQA

## 1. BLOOD GAS/ELECTROLYTES

Quantitative | Aqueous solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>BGAS432</b> for waived testing methods only	3 test events x 2 samples x 2.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Calcium, ionized Chloride Creatinine Glucose Lactate	Lithium Magnesium, ionized pCO2 pH pO2	Potassium Sodium Urea
SUBSCRIPTION OPTIONS		
<b>Full</b>	<del>+RO</del>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	
Report only subscriptions are not suitable for this program as blood gases dissipate rapidly after samples are opened.		

## 2. CARDIAC MARKERS

Quantitative and/or Qualitative | Liquid plasma/serum matrix

ORDER CODE	FORMAT	COMPATIBILITY
<b>CARM432</b> for waived testing methods only	3 test events x 2 sample x 1.5 mL 3 shipments	Compatible with plasma and serum based methods/analyzers.
B-type Natriuretic peptide (BNP) Creatine Kinase (CK) CK-MB activity CK-MB mass	D-dimer hsCRP Myoglobin NT-proBNP	Troponin I Troponin T
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	



# POINT OF CARE EQA

## 3. CLINICAL CHEMISTRY

Quantitative | Lyophilized serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>CCHM432</b> for waived testing methods only	3 test events x 2 samples x 5 mL 3 shipments	<b>Not compatible</b> with Abbott Vision analyzers using whole blood for HDL cholesterol.
Acid Phosphatase Alanine aminotransferase (ALT/SGPT) Albumin Alkaline phosphatase Amylase Amylase - Pancreatic Aspartate aminotransferase (AST/SGOT) Bilirubin, direct Bilirubin, total Calcium Chloride Cholesterol, total	Cholinesterase CO <sub>2</sub> , total Creatine kinase (CK) Creatinine Ferritin Gamma-glutamyltransferase (GGT) Glucose HDL cholesterol Iron Iron, total binding capacity (TIBC) Lactate Lactate dehydrogenase (LD)	LDL cholesterol Lipase Magnesium Osmolality Phosphorus Potassium Protein, total Sodium Triglycerides Urea nitrogen Uric acid
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 4. CO-OXIMETRY

Quantitative | Lyophilized Hb solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>COHB432</b> for waived testing methods only	3 test events x 2 samples x 2.0 mL 3 shipments	<b>Not compatible</b> with Abbott i-STAT or AVL OPTI CCA.
Carboxyhemoglobin Hemoglobin - Total	Methemoglobin	Oxyhemoglobin
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# POINT OF CARE EQA

## 5. i-STAT BLOOD GAS/ELECTROLYTES/HEMATOCRIT

Quantitative | Aqueous solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>IBGH432</b> for waived testing methods only	3 test events x 2 samples x 2.5 mL 3 shipments	Compatible with i-STAT analyzers <b>only</b> .

Calcium-ionized Chloride Creatinine CO2 Total Glucose	Hematocrit Hemoglobin - Calculated Lactate pCO2 pH	pO2 Potassium Sodium Urea nitrogen
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### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

Report only subscriptions are not suitable for this program as blood gases dissipate rapidly after samples are opened.

## 6. NITRAZINE

Qualitative | Liquid

ORDER CODE	FORMAT	COMPATIBILITY
<b>NITZ431</b>	3 test events x 1 sample x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.

Nitrazine

### SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

## 7. PLASMA PROTHROMBIN TIME XS POC

Quantitative | Lyophilized Plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>PLPX431</b>	3 test events x 1 sample x 0.3 mL 3 shipments	Compatible with Roche CoaguChek XS, CoaguChek XS Plus & CoaguChek XS Pro analyzers <b>only</b> .

International Normalized Ratio (INR)

### SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

# POINT OF CARE EQA

## 8. URINE DRUGS OF ABUSE

Qualitative and/or quantitative | Human urine

ORDER CODE	FORMAT	COMPATIBILITY
<b>UDOA432</b>	3 test events x 2 samples x 10 mL 3 shipments	Compatible with all analyzers and methods requiring 10 mL or less of sample. Participants requiring greater than 10mL sample volume must order additional Sample-only subscriptions as necessary.
Alprazolam Amphetamine Amphetamines/Methamphetamines Barbiturates Benzodiazepines Benzoyllecgonine Buprenorphine Cannabinoid Cocaine Derivatives Codeine Cotinine Delta-9-THC-COOH	Diazepam EDDP Ethanol Flunitrazepam Lorazepam Lysergic acid diethylamide (LSD) MDA MDMA Methadone Methamphetamine Methanol Methaqualone	Morphine - Total Morphine - Free Morphine-3-glucuronide Nortriptyline Opiates Oxycodone Phencyclidine Phenobarbital Propoxyphene Tricyclic Antidepressants
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	

## 9. URINALYSIS

Qualitative and/or quantitative | Urine

ORDER CODE	FORMAT	COMPATIBILITY
<b>URIN432</b>	3 test events x 2 samples x 12 mL 3 shipments	No known compatibility issues with any method or analyzer.
Bilirubin Bilirubin - Confirmatory Glucose Hemoglobin / Blood Human chorionic gonadotropin (hCG)	Ketones Leukocyte esterase Nitrite Osmolality pH	Protein Reducing substances Specific gravity Urobilinogen
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.	

## POINT OF CARE EQA

### 10. WHOLE BLOOD GLUCOSE

Quantitative   Whole blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>WGLU432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Whole blood glucose		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +19 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>




### 11. WHOLE BLOOD HEMOGLOBIN

Quantitative   Whole blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>WHGN432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	<b>Not compatible</b> with HemoCue Plasma Low/Hb, Donor Hb Checker or Hb 301Photometers.
Hemoglobin		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +19 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# HEMATOLOGY EQA







## 2016 Test Event Calendar

The following Test Event Calendar applies for all 3 test event Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

 <b>Full</b>	 <b>Report only</b>	 <b>Sample only</b>	 <b>Off cycle</b>	 <b>Validation</b>
 <b>Monthly</b>	Monthly formats for certain Programs in this section are available. See Monthly EQA section.			

# HEMATOLOGY EQA

## 1. BODY FLUIDS

Qualitative and/or quantitative		Protein solution
ORDER CODE	FORMAT	COMPATIBILITY
<b>BFLD432</b>	3 test events x 2 samples x 2 mL 3 shipments	Compatible with all hemocytometers. Not compatible with automated methods.
Red blood cell count		White blood cell count
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 2. CELL MORPHOLOGY

Qualitative		Photo and online digital image
ORDER CODE	FORMAT	COMPATIBILITY
<b>CELL435</b>	3 test events x 5 photos 3 shipments	Each photo / image comes with a case study and relevant laboratory data.
Cell morphology		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 3. ERYTHROCYTE SEDIMENTATION RATE

Quantitative		Whole blood
ORDER CODE	FORMAT	COMPATIBILITY
<b>ERSR432</b>	3 test events x 2 samples x 5 mL 3 shipments	<b>Not compatible</b> with HemaTechnologies ESR STAT PLUS, ESR STAT 80 and Alifax Test 1.
Erythrocyte sedimentation rate (ESR)		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# HEMATOLOGY EQA

## 4. ERYTHROCYTE SEDIMENTATION RATE FOR ALIFAX

Quantitative | Synthetic latex solution

ORDER CODE	FORMAT	COMPATIBILITY
<b>ESRA433</b>	3 test events x 3 samples x 3 mL 3 shipments	Compatible <b>only</b> with Alifax Test 1, Microtest 1, Roller 10, Roller 20, Jo-Plus.

Erythrocyte sedimentation rate (ESR)

### SUBSCRIPTION OPTIONS

+5 RO FREE

## 5. FLOW CYTOMETRY PROGENITOR CELLS

Quantitative | Simulated whole blood

ORDER CODE	FORMAT	COMPATIBILITY
<b>FLPG432</b>	3 test events x 2 samples x 1.5 mL 3 shipments	No known compatibility issues with any method or analyzer.

CD34+ White blood cell count

### SUBSCRIPTION OPTIONS

+5 RO FREE

## 6. FETAL RBC AND F CELL DETECTION

Qualitative and/or quantitative | Stabilized RBC

ORDER CODE	FORMAT	COMPATIBILITY
<b>FRBC432</b>	3 test events x 2 samples x 1.2 mL 3 shipments	Please see the compatibility details below.

F cell value - compatible with flow cytometry methods.  
 Hemoglobin F (Qualitative) - compatible with E-rosette testing for D (Rho) fetal red blood cells in the maternal circulation.  
 Hemoglobin F (Quantitative) - compatible with Kleihauer-Betke and flow cytometry methods.

### SUBSCRIPTION OPTIONS

+5 RO FREE

# HEMATOLOGY EQA

## 7. HEMATOLOGY 5-PART DIFFERENTIAL

Quantitative | Whole blood

ORDER CODE	FORMAT	COMPATIBILITY
<b>HEFA435</b>	3 test events x 5 samples x 3 mL 3 shipments	Compatible with B&E Scientific Hemax 530; Coulter STKS, MAXM, HmX, LH series, VCS, GEN5, UniCel DxH 600/800 and Radim SEAC Genius analyzers.
<b>HEFB435</b>	3 test events x 5 samples x 3.5 mL 3 shipments	Compatible with Melet Schloesing MS9-5, Bayer Technicon H*1, H*2, H*3, ADVIA 120 and 2120/2120i analyzers.
<b>HEFD435</b>	3 test events x 5 samples x 3 mL 3 shipments	Compatible with Bayer ADVIA 70; Biocode Hycel Diana-5, Diana-5 Evolution, Xenia; Boule Quintas; Drew Scientific EXCELL 22; Diatron Abacus 5, Junior 5; Nihon Celltac E MEK- 7222, F MEK-8222; Abbott Cell Dyn 3000, 3200, 3500, 3700, 4000, Ruby, Sapphire and URIT-5200/5250/5500 analyzers.
<b>HEFE435</b>	3 test events x 5 samples x 2.5 mL 3 shipments	Compatible with ABX Pentra 60, 60 C+, 80, XL 80, 120, DX/DF Nexus, Argos, Minos & Helios; Coulter AcT 5 Diff and Dirui BF-5180/6800 analyzers.
<b>HEFF435</b>	3 test events x 5 samples x 2.5 mL 3 shipments	Compatible with Diagon D-Cell 5 D and Sysmex SE9000/9500/9500R, SF3000 analyzers.
<b>HEFG435</b>	3 test events x 5 samples x 4.5 mL 3 shipments	Compatible with Mindray BC-6800 and Sysmex NE1500/5500/8000, XE2100/2100C/5000, XN1000/2000/3000/9000, XS500i/800i/1000i/1000iC and XT1800i/2000i/4000i analyzers.
<b>HEFH435</b>	3 test events x 5 samples x 3 mL 3 shipments	Compatible with Mindray BC-5100/5180/5100Vet, BC-5200, BC-5300/5380/5300Vet and BC-5500/5600/5800 analyzers.
<b>HEFI435</b>	3 test events x 5 samples x 3 mL 3 shipments	Compatible with Orphee Mythic 22 AL/OT/CT analyzers.
Hematocrit Hemoglobin Mean corpuscular hemoglobin (MCH) Mean corpuscular hemoglobin concentration (MCHC)		
Mean corpuscular volume (MCV) Platelet count Red blood cell count Red cell distribution width (RDW)		
WBC differential (Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils) White blood cell count		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>



# HEMATOLOGY EQA

## 8. HEMATOLOGY

Quantitative | Whole blood

ORDER CODE	FORMAT	COMPATIBILITY
<b>HEMA435</b>	3 test events x 5 samples x 2 mL 3 shipments	Compatible with all manual, semi-automated and automated CBC methods. <b>Not compatible</b> with BD QBC analyzers.
<b>HEMA432</b> for waived testing methods only	3 test events x 2 samples x 2 mL 3 shipments	
<p>Hematocrit (by analyzer or spun)                      Mean corpuscular volume (MCV)                      Red cell distribution width (RDW)</p> <p>Hemoglobin    Platelet count    White blood cell count</p> <p>Mean corpuscular hemoglobin (MCH)                      Red blood cell count</p> <p>Mean corpuscular hemoglobin concentration (MCHC)</p>		
SUBSCRIPTION OPTIONS		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; background-color: #0056b3; color: white; padding: 5px; border-radius: 5px;">Full</div> <div style="border: 1px solid black; background-color: #d9e1f2; padding: 5px; border-radius: 5px;">+RO</div> <div style="margin: 0 10px;">+5 RO FREE</div> <div style="border: 1px solid black; background-color: #d9e1f2; padding: 5px; border-radius: 5px;">+SO</div> <div style="margin: 0 10px;"></div> <div style="border: 1px solid black; background-color: #007060; color: white; padding: 5px; border-radius: 5px;">OC</div> <div style="margin: 0 10px;"></div> <div style="border: 1px solid black; background-color: #92d050; padding: 5px; border-radius: 5px;">VA</div> </div>		
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; background-color: #c00000; color: white; padding: 5px; border-radius: 5px; margin-right: 10px;">MO</div> <p>A monthly format of this Program is available. See Monthly EQA section.</p> </div>		

# HEMATOLOGY EQA

## 9. HEMATOLOGY 3-PART DIFFERENTIAL

Quantitative | Whole blood

ORDER CODE	FORMAT	COMPATIBILITY
<b>HETA435</b>	<p>3 test events x 5 samples x 2 mL</p> <p>3 shipments</p>	<p>Compatible with Abbott CellDyn 300-800/610/900/1400/1500/1600; ABX/Baker Minos STE/STEL/STEX/STX, Micros 45/60/ES 60, Helios LMG, Spirit &amp; Argos LMG; AVL AL 816; B&amp;E Scientific Hemax 320/330; Bayer ADVIA 60; Biorexfars CELLDIFF-3; Coulter AcT Diff/Diff 2/8/10, JT/JT2/JT3, MD 284/II/II 8/II 10/II 16, ONYX, S Plus IV/V/VI, S880, ST/STKR, T540/T660/T890; Diatron Abacus 3/Junior/Junior 30/Junior EO/Plus; Dirui BCC-3000B; Drew Scientific Drew-3, DC 16CP/18, EXCELL 16/18, InfoLab I-1600/1800; ERMA PCE-210; Human HumaCount/30TS/60TS; Medonic CA 620/530/M16/M20; Mindray BC-2800/3000Plus/3200/3600; Melet Schloesing MS4-3e/9/9-3; Nihon Celltac MEK-6318/6400/6410/6420; Orphee Mythic 18; Perlong XFA6100; PointCare NOW; Radim HeCo C/S/Plus, HEMAT 12; Shenzhen KT6180; URIT-2900/2900 Plus/3000/3000 Plus/3010/3020/3300.</p>
<b>HETB435</b>	<p>3 test events x 5 samples x 2 mL</p> <p>3 shipments</p>	<p>Compatible with Abbott Cell Dyn 1200/1700/1800/Emerald; ABX/Baker 9000/9000+/9010/9018/9020/9110/9118/9120; Human HumaCount Plus and Sysmex K-series, pocH-100i and XP-300 analyzers.</p>
<p>Hematocrit Hemoglobin Mean corpuscular hemoglobin (MCH) Mean corpuscular hemoglobin concentration (MCHC)</p>	<p>Mean corpuscular volume (MCV) Platelet count Red blood cell count Red cell distribution width (RDW)</p>	<p>WBC differential (Granulocytes, Lymphocytes, Monocytes) White blood cell count</p>
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO +5 RO FREE</b>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# HEMATOLOGY EQA

## 10. LYMPHOCYTE IMMUNOPHENOTYPING

Quantitative | Simulated whole blood

This program is being conducted in conjunction with the internationally recognized QASI EQA program founded in 1997 by the National Laboratory for HIV Immunology of the Public Health Agency of Canada (Science Architect).

ORDER CODE	FORMAT	COMPATIBILITY
<b>QASI432</b>	3 test events x 2 samples x 1.3 mL 3 shipments	No known compatibility issues with any method or analyzer.
CD19 (B Cells) CD3 (T Cells) CD4 (T Helper)	CD45 (Leukocytes) CD56/CD16+56 (NK Cells) CD8 (T Cytotoxic)	Lymphocytes White blood cell count
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 11. RETICULOCYTES

Quantitative | Whole blood

ORDER CODE	FORMAT	COMPATIBILITY
<b>RETA432</b>	3 test events x 2 samples x 3 mL 3 shipments	Compatible with new methylene blue stain and automated methods. <b>Not compatible</b> with Abbott Cell Dyn 3000/3200/3500/3700/4000/Ruby; Biocode Hycel Xenia; Coulter GENS, LH Series and UniCel DxH 600/800; Nihon Celltac F MEK-8222 and Radim SEAC Genius analyzers.
<b>RETB432</b>	3 test events x 2 samples x 3 mL 3 shipments	Compatible <b>only</b> with Abbott Cell-Dyn 3000/3200/3500/3700/4000/Ruby and Sapphire analyzers.
<b>RETC432</b>	3 test events x 2 samples x 4 mL 3 shipments	Compatible <b>only</b> with Coulter GENS and LH series analyzers.
<b>RETD432</b>	3 test events x 2 samples x 3 mL 3 shipments	Compatible <b>only</b> with Sysmex XE2100/5000, XN Series, and XT-2000i/4000i analyzers.
Red blood cell count	Reticulocyte count	
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# HEMATOLOGY EQA




## 12. SICKLE CELL SCREENING

Qualitative   Whole blood		
ORDER CODE	FORMAT	COMPATIBILITY
<b>SCSC432</b>	3 test events x 2 samples x 0.9 mL 3 shipments	No known compatibility issues with any method or analyzer.
Sickle cell screening		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>




# COAGULATION EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for COAG435, COAG432, COFH433, DDIM432, ORAC432, PLPX431 and THBP432.







			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

The following Test Event Calendar applies for COAG443, COFH443, DDIM442 and THBP442.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09
4	Wednesday, November 23	21 days	Wednesday, December 14

## Subscription Options

The following Subscription options are available for Programs in this section.

 <b>Full</b>	 <b>Report only</b>	 <b>Sample only</b>	 <b>Off cycle</b>	 <b>Validation</b>
 <b>Monthly</b>	Monthly formats for certain Programs in this section are available. See Monthly EQA section.			

# COAGULATION EQA

## 1. COAGULATION

Quantitative   Lyophilized plasma				
ORDER CODE	FORMAT	COMPATIBILITY		
<b>COAG435</b>	3 test events x 5 samples x 1 mL 3 shipments	<b>Not compatible</b> with Roche CoaguChek, Ciba Corning Biotrack, Dupont Coumatrak, ITC Hemochron Jr./Signature series, i-STAT PCA, i-STAT I, ITC Protime and whole blood methods.		
<b>COAG432</b>	3 test events x 2 samples x 1 mL 3 shipments			
<b>COAG443</b>	4 test events x 3 samples x 1 mL 3 shipments			
Activated partial thromboplastin time (APTT) Anti-thrombin III	Fibrinogen International Normalized Ratio (INR)	Prothrombin time (PT) Thrombin Time		
SUBSCRIPTION OPTIONS				
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>	<b>OC</b>	<b>VA</b>
<b>MO</b>	A monthly format of this Program is available. See Monthly EQA section.			

## 2. HEMOPHILIA COAGULATION FACTORS AND VWF

**\*New Program**

Quantitative   Lyophilized plasma				
ORDER CODE	FORMAT	COMPATIBILITY		
<b>COFH433</b>	3 test events x 3 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.		
<b>COFH443</b>	4 test events x 3 samples x 1 mL 3 shipments			
Factor VIII activity Factor IX activity	vWF activity vWF antigen			
SUBSCRIPTION OPTIONS				
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>	<b>OC</b>	<b>VA</b>

# COAGULATION EQA

## 3. D-DIMER

Qualitative and/or quantitative | Lyophilized plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>DDIM432</b>	3 test events x 2 samples x 1 mL 3 shipments	Compatible with all analyzers and methods using plasma. <b>Not compatible</b> with AGEN SimpliRED.
<b>DDIM442</b>	4 test events x 2 samples x 1 mL 3 shipments	

D-dimer

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

## 4. ORAL ANTICOAGULANT MONITORING

Quantitative | Lyophilized plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>ORAC432</b>	3 test events x 2 samples x 1 mL 3 shipments	Not compatible with Point of Care devices.

International Normalized Ratio (INR)

Prothrombin Time

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

## 5. PLASMA PROTHROMBIN TIME XS POC

Quantitative | Lyophilized plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>PLPX431</b>	3 test events x 1 sample x 0.3 mL 3 shipments	Compatible with Roche CoaguChek XS, CoaguChek XS Plus & CoaguChek XS Pro analyzers <b>only</b> .

International Normalized Ratio (INR)

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

# COAGULATION EQA

## 6. THROMBOPHILIA




Qualitative and quantitative		Lyophilized plasma
ORDER CODE	FORMAT	COMPATIBILITY
<b>THBP432</b>	3 test events x 2 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>THBP442</b>	4 test events x 2 samples x 1 mL 3 shipments	
Activated Protein C resistance (APC resistance)	Protein C activity Protein C antigen	Protein S antigen, free Protein S activity
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO +5 RO FREE</b>	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>






# TRANSFUSION MEDICINE EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies all 3 test event Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

The following Test Event Calendar applies for all 4 test event Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09
4	Wednesday, November 23	21 days	Wednesday, December 14

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# TRANSFUSION MEDICINE EQA

## 1. BASIC TRANSFUSION MEDICINE

Qualitative | Simulated whole blood (15% hematocrit)

ORDER CODE	FORMAT	COMPATIBILITY
<b>BTME435</b>	3 test events x 5 samples x 4 mL 3 shipments	Compatible with manual and automated methods.
ABO grouping	Rh (D) grouping	Unexpected antibody detection
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 2. COMPREHENSIVE TRANSFUSION MEDICINE

Qualitative | Simulated whole blood (15% hematocrit) Donor red blood cell suspension (25% hematocrit)

ORDER CODE	FORMAT	COMPATIBILITY
<b>CTME435</b>	3 test events x 5 samples x 4 mL plus one 2 mL Donor cell suspension 3 shipments	Compatible with manual and automated methods.
ABO grouping Antibody identification	Compatibility testing Red blood cell antigen detection	Rh (D) grouping Unexpected antibody detection
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 3. DIRECT ANTIGLOBULIN TESTING

Qualitative | Red blood cell suspension

ORDER CODE	FORMAT	COMPATIBILITY
<b>DATG432</b>	3 test events x 2 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Direct antiglobulin testing (DAT)		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# TRANSFUSION MEDICINE EQA

## 4. IMMUNOHEMATOLOGY

Qualitative | 8% Hematocrit red cell suspension + serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>IMHE442</b>	4 test events x 2 samples x 4 mL 4 shipments	Compatible with manual and automated methods
ABO grouping Direct antiglobulin testing Irregular antibody identification	RBC Agglutination Rh (D) grouping Rh(D) Phenotype	Unexpected antibody detection
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 5. COMPREHENSIVE IMMUNOHEMATOLOGY

**\*New Program**




Qualitative | Simulated whole blood (8% hematocrit) • Donor red blood cell suspension (8% hematocrit)

ORDER CODE	FORMAT	COMPATIBILITY
<b>IMHX444</b>	4 test events x 4 samples x 4 mL 4 shipments	Compatible with manual and automated methods
ABO grouping Compatibility testing Direct antiglobulin testing	Irregular antibody identification RBC Agglutination Red blood cell antigen detection	Rh (D) grouping Rh(D) Phenotype Unexpected antibody detection
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# CLINICAL MICROSCOPY EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# CLINICAL MICROSCOPY EQA

## 1. FECAL SMEAR

Qualitative   Photo		
ORDER CODE	FORMAT	COMPATIBILITY
<b>FEC431</b>	3 test events x 1 photo 3 shipments	No known compatibility issues with any method or analyzer.
Fecal smear for WBC		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## 2. FERN TEST

Qualitative   Photo		
ORDER CODE	FORMAT	COMPATIBILITY
<b>FERN431</b>	3 test events x 1 photo 3 shipments	No known compatibility issues with any method or analyzer.
Amniotic fluid detection		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## 3. KOH PREPARATION

Qualitative   Photo		
ORDER CODE	FORMAT	COMPATIBILITY
<b>KOHP431</b>	3 test events x 1 photo 3 shipments	No known compatibility issues with any method or analyzer.
Fungal/yeast detection		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## CLINICAL MICROSCOPY EQA

### 4. NASAL SMEAR

Qualitative | Photo

ORDER CODE	FORMAT	COMPATIBILITY
<b>NASM431</b>	3 test events x 1 photo 3 shipments	No known compatibility issues with any method or analyzer.
Nasal smear for eosinophils		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

### 5. PINWORM PREPARATION

Qualitative | Photo

ORDER CODE	FORMAT	COMPATIBILITY
<b>PINW431</b>	3 test events x 1 photo 3 shipments	No known compatibility issues with any method or analyzer.
Pinworm detection		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

### 6. VAGINAL PREPARATION




Qualitative | Photo

ORDER CODE	FORMAT	COMPATIBILITY
<b>VAGP431</b>	3 test events x 1 photo 3 shipments	No known compatibility issues with any method or analyzer.
Vaginal wet preparation		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>




# DIAGNOSTIC IMMUNOLOGY EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section with the exception of ALLY443 and FOOD443.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

The following Test Event Calendar applies for ALLY443 and FOOD443.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09
4	Wednesday, November 23	21 days	Wednesday, December 14

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# DIAGNOSTIC IMMUNOLOGY EQA

## 1. ANTIPHOSPHOLIPID AUTOIMMUNITY

Qualitative and quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>AIAP432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Anti-beta-2-glycoprotein I (Anti B2-GPI)      Anticardiolipin		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## 2. RHEUMATOLOGIC ARTHRITIS AUTOIMMUNITY

Qualitative and quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>AJAR432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Rheumatoid factor      VCP / CCP IgG		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>

## 3. ANTI-NEUTROPHIL CYTOPLASM AUTOIMMUNITY

Qualitative and quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>AICN432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
ANCA		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b> <b>OC</b> <b>VA</b>



# DIAGNOSTIC IMMUNOLOGY EQA

## 4. COELIAC DISEASE

Qualitative and quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>AICO432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.

Antiendomysial antibody (EMA) IgA      Antitissue transglutaminase antibody (tTG) - IgA and IgG  
 Antigliadin antibody (AGA) - IgA and IgG

### SUBSCRIPTION OPTIONS

Full
+RO +5 RO FREE
+SO
OC
VA

## 5. ORGAN AUTOIMMUNITY

Qualitative and quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>AIOR432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.

Antimitochondrial M2 antibody (AMA)      Anti-smooth muscle antibody (ASMA)      Liver-kidney microsomal antibody (LKM)  
 Anti-parietal cell antibody (APCA)

### SUBSCRIPTION OPTIONS

Full
+RO +5 RO FREE
+SO
OC
VA

## 6. RHEUMATOLOGIC AUTOIMMUNITY

Qualitative and quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>AIRH432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.

ANA      Anti-dsDNA      ENA

### SUBSCRIPTION OPTIONS

Full
+RO +5 RO FREE
+SO
OC
VA

## DIAGNOSTIC IMMUNOLOGY EQA

### 7. THYROID AUTOIMMUNITY

Quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>AITH433</b>	3 test events x 3 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Antithyroglobulin antibody (Ab anti TG)	Antithyroid peroxidase antibody (Ab anti TPO)	TSH receptor antibody
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

### 8. INHALANT ALLERGY

Quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>ALLY433</b>	3 test events x 3 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>ALLY443</b>	4 test events x 3 samples x 2 mL 3 shipments	
Acarus Epithelia Graminaceous plants	Grass Hymenoptera	Latex Trees
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## DIAGNOSTIC IMMUNOLOGY EQA

### 9. ANTI-NUCLEAR ANTIBODY

Qualitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>ANAB435</b>	3 test events x 5 samples x 0.6 mL 3 shipments	<b>Not compatible</b> with latex agglutination method.
Anti-nuclear antibody (ANA) Anti-ENA Anti-DNA (ds, ss)	Anti-RNP Anti-Sm	Anti-SSA Anti-SSB
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

### 10. ANTI-STREPTOLYSIN O

Qualitative and/or quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>ANSO435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.
Anti-streptolysin O (ASO)		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

### 11. C-REACTIVE PROTEIN

Qualitative and quantitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>CRPR432</b>	3 test events x 2 samples x 1 mL 3 shipments	Compatible with all analyzers and methods that measure levels greater than 1.0 mg/dL.
C-reactive protein (CRP)		
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## DIAGNOSTIC IMMUNOLOGY EQA

### 12. FOOD ALLERGY

Quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>FOOD433</b>	3 test events x 3 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>FOOD443</b>	4 test events x 3 samples x 0.5 mL 3 shipments	

Main allergens

#### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

### 13. HIGH SENSITIVITY C-REACTIVE PROTEIN

Quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>HCRP432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	Compatible with all analyzers and methods that measure levels of 0 - 1.5 mg/dL.

High sensitivity C-reactive protein

#### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

VA

### 14. RHEUMATOID FACTOR

Qualitative and/or quantitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>RHFA435</b>	3 test events x 5 samples x 1 mL 3 shipments	No known compatibility issues with any method or analyzer.

Rheumatoid factor

#### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO




OC

VA

# MOLECULAR DIAGNOSTICS EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# MOLECULAR DIAGNOSTICS EQA

## 1. M. TUBERCULOSIS DETECTION AND RIFAMPIN RESISTANCE


**\*New Program**

Qualitative   Cell suspension		
ORDER CODE	FORMAT	COMPATIBILITY
<b>TBRR432</b>	3 test events x 2 samples x 1 mL 3 shipments	Compatible with the Cepheid GeneXpert® and other methods which target gene segments IS6110, hsp65, 16S rRNA, 23S rRNA, inhA, katG, and rpoB. The program is <b>not compatible</b> with TB test methods which target other gene segments.
M. tuberculosis detection		Rifampin resistance
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

# CLINICAL SEROLOGY EQA


## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# CLINICAL SEROLOGY EQA

## 1. VIRAL ANTIGEN DETECTION

Qualitative   Aqueous solution		
ORDER CODE	FORMAT	COMPATIBILITY
<b>AVIR435</b>	3 test events x 5 samples x 1 mL 3 shipments	<b>Not compatible</b> with immunofluorescence assays.
Adenovirus Influenza A	Influenza A/B Influenza B	Respiratory syncytial virus Rotavirus
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>

## 2. EBV SEROLOGY







Quantitative and/or qualitative   Lyophilized solution		
ORDER CODE	FORMAT	COMPATIBILITY
<b>EBVS435</b>	3 test events x 5 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
<b>EBVS432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	
EBV Viral Capsid Antigen (VCA) IgG EBV Viral Capsid Antigen (VCA) IgM	EBV Early Antigen (EA) IgG	EBV Nuclear Antigen (NA) IgG
SUBSCRIPTION OPTIONS		
<b>Full</b>	<b>+RO</b> +5 RO FREE	<b>+SO</b>
		<b>OC</b>
		<b>VA</b>








# CLINICAL SEROLOGY EQA

## 3. HEPATITIS SEROLOGY



Qualitative   Liquid human plasma		
ORDER CODE	FORMAT	COMPATIBILITY
<b>HEPM4310</b>	3 test events x 10 samples x 1.8 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
<b>HEPM435</b>	3 test events x 5 samples x 1.8 mL 3 shipments NA to participants in Australia and NZ.	
Anti-HAV IgG Anti-HAV IgM Anti-HAV Total Anti-HBc IgM	Anti-HBc Total Anti-HBe Anti-HBs Anti-HCV	HBeAg HBsAg HCV Ag
SUBSCRIPTION OPTIONS		
		
		
		

## 4. HIV

Qualitative   Serum		
ORDER CODE	FORMAT	COMPATIBILITY
<b>HIVA435</b>	3 test events x 5 samples x 1 mL 3 shipments	Compatible with all analyzers and methods including Orasure OraQuick Rapid HIV-1 Antibody Test Kit.
<b>HIVA432</b> for waived testing methods only	3 test events x 2 samples x 1 mL 3 shipments	
Anti-HIV-1	Anti-HIV-1/2	Anti-HIV-2
SUBSCRIPTION OPTIONS		
	 +5 RO FREE	
		
		

# CLINICAL SEROLOGY EQA

## 5. HIV SEROLOGY



Qualitative | Liquid, human plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>HIVC4310</b>	3 test events x 10 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
<b>HIVC435</b>	3 test events x 5 samples x 1 mL 3 shipments	
Anti-HIV-1 Anti-HIV-1/2	Anti-HIV-2	HIV Ag
SUBSCRIPTION OPTIONS		
<input type="checkbox"/> Full	<input checked="" type="checkbox"/> +RO	<input type="checkbox"/> +SO
	<input type="checkbox"/> OC	<input type="checkbox"/> VA

## 6. HELICOBACTER PYLORI ANTIBODY

Qualitative | Human serum



ORDER CODE	FORMAT	COMPATIBILITY
<b>HPYL432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
H. pylori antibody H. pylori IgA antibody	H. pylori IgG antibody	H. pylori IgM antibody
SUBSCRIPTION OPTIONS		
<input type="checkbox"/> Full	<input checked="" type="checkbox"/> +RO +5 RO FREE	<input type="checkbox"/> +SO
	<input type="checkbox"/> OC	<input type="checkbox"/> VA

## 7. HERPES SIMPLEX

Qualitative | Lyophilized serum



ORDER CODE	FORMAT	COMPATIBILITY
<b>HSVC432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
Herpes simplex antibodies		
SUBSCRIPTION OPTIONS		
<input type="checkbox"/> Full	<input checked="" type="checkbox"/> +RO	<input type="checkbox"/> +SO
	<input type="checkbox"/> OC	<input type="checkbox"/> VA

# CLINICAL SEROLOGY EQA

## 8. HTLV SEROLOGY



Qualitative | Liquid, human plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>HTLV4310</b>	3 test events x 10 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
<b>HTLV435</b>	3 test events x 5 samples x 1 mL 3 shipments	

Anti-HTLV

### SUBSCRIPTION OPTIONS



## 9. LYME DISEASE

Qualitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>LYME432</b>	3 test events x 2 samples x 0.6 mL 3 shipments	No known compatibility issues with any method or analyzer.

Lyme disease - *Borrelia burgdorferi*

Lyme disease - *Borrelia burgdorferi* IgG

Lyme disease - *Borrelia burgdorferi* IgM

### SUBSCRIPTION OPTIONS



## 10. INFECTIOUS MONONUCLEOSIS

Qualitative | Serum

ORDER CODE	FORMAT	COMPATIBILITY
<b>MONO435</b>	3 test events x 5 samples x 0.6 mL 3 shipments	Compatible with latex agglutination and hemagglutination methods.
<b>MONO432</b> for waived testing methods only	3 test events x 2 samples x 0.6 mL 3 shipments	

Infectious mononucleosis

Infectious mononucleosis IgG


Infectious mononucleosis IgM

### SUBSCRIPTION OPTIONS



# CLINICAL SEROLOGY EQA

## 11. MYCOPLASMA ANTIBODY

Qualitative | Human serum 


ORDER CODE	FORMAT	COMPATIBILITY
<b>MYPL432</b>	3 test events x 2 samples x 0.5 mL 3 shipments	No known compatibility issues with any method or analyzer.
Mycoplasma antibody Mycoplasma IgA antibody	Mycoplasma IgG antibody	Mycoplasma IgM antibody

SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

## 12. TOXOPLASMA, RUBELLA AND CMV SEROLOGY



Qualitative | Liquid, human plasma 


ORDER CODE	FORMAT	COMPATIBILITY
<b>TORC435</b>	3 test events x 5 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
Anti-CMV IgG Anti-CMV IgM	Anti-Toxoplasma IgG Anti-Toxoplasma IgM	Rubella IgG Rubella IgM

SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 13. SYPHILIS SEROLOGY



Qualitative | Liquid, human plasma 

ORDER CODE	FORMAT	COMPATIBILITY
<b>TREP4310</b>	3 test events x 10 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
<b>TREP435</b>	3 test events x 5 samples x 1 mL 3 shipments	
Anti-Treponema pallidum	Non-Treponemal antibodies	


SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA




# CLINICAL NUCLEIC ACID TESTING EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section with the exception of DTSI435. HIVG425 and HIVT425 have only two test events following the same opening and deadline dates as listed for Test Events 1 and 3.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, February 24	21 days	Wednesday, March 16
2	Wednesday, June 01	21 days	Wednesday, June 22
3	Wednesday, September 07	21 days	Wednesday, September 28

The following Test Event Calendar applies for DTSI435.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# CLINICAL NUCLEIC ACID TESTING EQA

## 1. CMV DNA QUALITATIVE & VIRAL LOAD



Qualitative and quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>CMVN435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

CMV DNA

### SUBSCRIPTION OPTIONS

Full

+RO

+SO

OC

VA

## 2. C. TRACHOMATIS | N. GONORRHOEAE DNA QUALITATIVE



Qualitative | Clinical samples



ORDER CODE	FORMAT	COMPATIBILITY
<b>CTNG435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

*Chlamydia trachomatis* DNA

*Neisseria gonorrhoeae* DNA

### SUBSCRIPTION OPTIONS

Full

+RO

+SO

OC

VA

## 3. DRIED TUBE SAMPLE HIV-1 VIRAL LOAD



**\*New Program**

Quantitative | Dried human plasma/serum matrix

This program is optimised for Point of Care assays.

ORDER CODE	FORMAT	COMPATIBILITY
<b>DTSI435</b>	3 test events x 5 samples 3 shipments	Not compatible with the Cavidix ExaVir Load Version 3.0 kit.

HIV-1 RNA

### SUBSCRIPTION OPTIONS

Full

+RO

+SO

OC

VA

# CLINICAL NUCLEIC ACID TESTING EQA

## 4. HAV RNA & PARVOVIRUS B19 DNA



Science architect

Qualitative and quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>HAPN435</b>	3 test events x 5 samples x 2.4 mL 1 shipment	No known compatibility issues with any method or analyzer.

HAV RNA | Parvovirus B19 DNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 5. HBV DNA VIRAL LOAD



Science architect

Quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>HBVL435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

HBV DNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 6. HCV GENOTYPING



Science architect

Qualitative | Frozen human plasma



ORDER CODE	COMPATIBILITY	COMPATIBILITY
<b>HCVG435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

HCV genotype

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

# CLINICAL NUCLEIC ACID TESTING EQA

## 7. HCV RNA VIRAL LOAD



Science architect

Quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>HCVL435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

HCV RNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 8. HCV RNA QUALITATIVE



Science architect

Qualitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>HCVN435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

HCV RNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 9. HIV-1 GENOTYPIC DRUG RESISTANCE



Science architect

Qualitative | Frozen human plasma and ViveST™



ORDER CODE	FORMAT	COMPATIBILITY
<b>HIVG425</b>	2 test events x 5 samples x 0.5 mL 1 shipment	No known compatibility issues with any method or analyzer.

HIV-1 anti-viral drug resistance mutations

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA



# CLINICAL NUCLEIC ACID TESTING EQA

## 10. HIV-1 RNA VIRAL LOAD



Science architect

Quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>HIVL435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

HIV-1 RNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 11. CO-RECEPTOR TROPISM



Science architect

Qualitative | DNA and chromatograms

ORDER CODE	FORMAT	COMPATIBILITY
<b>HIVT425</b>	2 test events x 5 (or more) samples 1 shipment	No known compatibility issues with any method or analyzer.

Co-receptor tropism

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 12. HSV-1/2 DNA QUALITATIVE



Science architect

Qualitative | Clinical samples



ORDER CODE	FORMAT	COMPATIBILITY
<b>HSVN435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

HSV-1 DNA

HSV-1/2 DNA

HSV-2 DNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## BLOOD SCREENING EQA



Programs in this section are suitable for laboratories screening for blood and/or blood products for transfusion and transplantation. NRL is the Science Architect for these Programs, which have been designed to assist participants to monitor and compare their testing processes and systems with others used around the world to identify and correct sources of error.

As well, NRL is the founder and manager of an international quality network in which NRL directly provides Blood Screening EQA Programs to all participants in Australia and New Zealand and to national blood screening organizations and plasma fractionators outside Australia and New Zealand. This network is comprised of participants from over 40 countries.

Accordingly, all national blood screening organizations will be enrolled in these Blood Screening EQA Programs directly with NRL as part of this NRL quality network. All other participants outside of Australia and New Zealand in these Programs will be enrolled with their respective Collaboration Member.

In addition to EQA, NRL also provides other support services to blood screening laboratories and plasma fractionators to ensure the safety of their blood supply. These support services include:



- Quality Control Programs designed to assess the accuracy and precision of results on a daily basis;
- A Specificity Monitoring Program that ensures screening blood and/or blood-borne infectious diseases is cost effective and efficacious to reduce blood wastage;
- Reference testing on difficult-to-diagnose samples;
- Assistance in commissioning new testing platforms through the provision of specifically designed validation panels;

For more information about these support services, please contact NRL at [oneworldaccuracy@nrl.gov.au](mailto:oneworldaccuracy@nrl.gov.au).




# BLOOD SCREENING EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for HTLV4310, MMBS4320, TORC435 and TREP4310.


			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

The following Test Event Calendar applies for CMVN435, HAPN435 and NATA4315.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, February 24	21 days	Wednesday, March 16
2	Wednesday, June 01	21 days	Wednesday, June 22
3	Wednesday, September 07	21 days	Wednesday, September 28

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# BLOOD SCREENING EQA

## 1. CMV DNA QUALITATIVE & VIRAL LOAD



Science architect

Qualitative and quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>CMVN435</b>	3 test events x 5 samples x 1.2 mL 1 shipment	No known compatibility issues with any method or analyzer.

CMV DNA

### SUBSCRIPTION OPTIONS

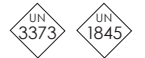
Full
  +RO
  +SO
  OC
  VA

## 2. HAV RNA & PARVOVIRUS B19 DNA



Science architect

Qualitative and quantitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>HAPN435</b>	3 test events x 5 samples x 2.4 mL 1 shipment	No known compatibility issues with any method or analyzer.

HAV RNA

Parvovirus B19 DNA

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

## 3. HTLV SEROLOGY



Science architect

Qualitative | Liquid, human plasma

ORDER CODE	FORMAT	COMPATIBILITY
<b>HTLV4310</b>	3 test events x 10 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.

Anti-HTLV

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA

# BLOOD SCREENING EQA

## 4. MULTIMARKER BLOOD SCREENING SEROLOGY



Qualitative | Liquid human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>MMBS4320</b>	3 test events x 20 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
Anti-HBc Total Anti-HCV	Anti-HIV HCV Ag	HIV Ag HBsAg
SUBSCRIPTION OPTIONS		
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO
<input type="checkbox"/> OC	<input type="checkbox"/> VA	

## 5. MULTIMARKER BLOOD SCREENING NAT



Qualitative | Frozen human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>NATA4315</b>	3 test events x 15 samples x 4.4 mL 1 shipment	Compatible with blood screening NAT assays. No known compatibility issues with any method or analyzer.
HBV DNA	HCV RNA	HIV RNA
SUBSCRIPTION OPTIONS		
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO
<input type="checkbox"/> OC	<input type="checkbox"/> VA	

## 6. TOXOPLASMA, RUBELLA AND CMV SEROLOGY



Qualitative | Liquid, human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>TORC435</b>	3 test events x 5 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.
Anti-CMV IgG Anti-CMV IgM	Anti-Toxoplasma IgG Anti-Toxoplasma IgM	Anti-Rubella IgG Anti-Rubella IgM
SUBSCRIPTION OPTIONS		
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO
<input type="checkbox"/> OC	<input type="checkbox"/> VA	

# BLOOD SCREENING EQA

## 7. SYPHILIS SEROLOGY



Qualitative | Liquid, human plasma



ORDER CODE	FORMAT	COMPATIBILITY
<b>TREP4310</b>	3 test events x 10 samples x 1 mL 3 shipments	Participants can report multiple runs and replicates for multiple analyzers or methods.

Anti-Treponema pallidum

Non-Treponemal antibodies

### SUBSCRIPTION OPTIONS

Full

+RO

+SO



OC

VA

# ANDROLOGY EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# ANDROLOGY EQA

## 1. SPERM COUNT

Quantitative | Stabilized sperm

ORDER CODE	FORMAT	COMPATIBILITY
<b>SPER432</b>	3 test events x 2 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.

Sperm count

### SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

## 2. SPERM SCREEN

Qualitative | Stabilized sperm

ORDER CODE	FORMAT	COMPATIBILITY
<b>SPES432</b>	3 test events x 2 samples x 2 mL 3 shipments	No known compatibility issues with any method or analyzer.

Sperm screen (post vasectomy)

### SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

## 3. SPERM MORPHOLOGY

Quantitative | Unstained glass slides

ORDER CODE	FORMAT	COMPATIBILITY
<b>SPMO432</b>	3 test events x 2 samples 3 shipments	No known compatibility issues with any method or analyzer.

Sperm morphology

### SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  VA



# ANDROLOGY EQA

## 4. SPERM VIABILITY

Quantitative | Eosin/Nigrosin stained glass slides

ORDER CODE	FORMAT	COMPATIBILITY
<b>SPVB432</b>	3 test events x 2 samples 3 shipments	No known compatibility issues with any method or analyzer.

Sperm viability

### SUBSCRIPTION OPTIONS

Full

+RO +5 RO FREE

+SO

OC

~~VA~~

# BACTERIOLOGY EQA


## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# BACTERIOLOGY EQA


Select the programs that correspond to your extent of testing

EXTENT 1	EXTENT 2	EXTENT 3	EXTENT 4	EXTENT 5
Interpret gram stains and perform primary isolation	+ Perform direct antigen testing.	+ Isolate and identify aerobic bacteria from throat, urine, cervical or urethral discharge samples and may do sensitivities on selected organisms.	+ Isolate and identify aerobic bacteria from any source to the species level.	+ Isolate and identify anaerobic bacteria from any source.

## 1. AFFIRM VP TEST

Qualitative   Swabs			
ORDER CODE	FORMAT	EXTENT	COMPATIBILITY
<b>AFVP435</b>	3 test events x 5 samples 3 shipments	<b>1 2</b>	Antigen detection by Affirm VP <b>only</b> .
<i>Candida</i>	<i>Gardnerella</i>		<i>Trichomonas</i>
SUBSCRIPTION OPTIONS			
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO	<input type="checkbox"/> OC
			<input type="checkbox"/> VA







## 2. BACTERIAL IDENTIFICATION

Qualitative   KWIK-STIK™ Ampoule/swab (stool, urine, spinal fluid, sputum, wound, blood, ear, eye)			
ORDER CODE	FORMAT	EXTENT	
<b>BACT435</b>	3 test events x 5 samples 3 shipments	<b>4 5</b>	
Gram stain (one sample) Identification of aerobic bacteria Identification of aerobic and / or anaerobic bacteria or <i>Campylobacter</i> (extent 5 <b>only</b> ) Susceptibility testing (one sample)			
SUBSCRIPTION OPTIONS			
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO	<input type="checkbox"/> OC
			<input type="checkbox"/> VA







# BACTERIOLOGY EQA

## 3. BLOOD CULTURE







**\*New Program**

Qualitative   KWIK-STIK™ Ampoule/swab			
ORDER CODE	FORMAT	EXTENT	
<b>BLCU435</b>	3 test events x 5 samples 3 shipments	<b>4 5</b>	
Gram Stain (one sample)		Identification of aerobic bacteria	
Susceptibility testing (one sample)			
SUBSCRIPTION OPTIONS			
			
			

## 4. CLOSTRIDIUM DIFFICILE ANTIGEN

Qualitative   Liquid			
ORDER CODE	FORMAT	EXTENT	COMPATIBILITY
<b>CLDA435</b>	3 test events x 5 samples x 1 mL 3 shipments	<b>1 2</b>	No known compatibility issues with any method or analyzer
<b>CLDA432</b>	3 test events x 2 samples x 1 mL 3 shipments		
Clostridium difficile Ag		Clostridium difficile Toxin A/B	
SUBSCRIPTION OPTIONS			
			
	<b>+5 RO FREE</b>		

## 5. GENITAL CULTURE






Qualitative   KWIK-STIK™ Ampoule/swab			
ORDER CODE	FORMAT	EXTENT	
<b>GENC435</b>	3 test events x 5 samples 3 samples	<b>3 4 5</b>	
<b>GENC432</b>	3 test events x 2 samples 3 samples		
Identification of normal flora and pathogens			
SUBSCRIPTION OPTIONS			
			
			

# BACTERIOLOGY EQA

## 6. GRAM STAIN

 Science architect






Qualitative | Fixed glass slides

ORDER CODE	FORMAT	EXTENT
<b>GRAM435</b>	3 test events x 5 samples 3 shipments	1
Gram stain		
SUBSCRIPTION OPTIONS		
		
		

## 7. METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS

Qualitative | KWIK-STIK™ Ampoule/swab








ORDER CODE	FORMAT	EXTENT
<b>MRSA435</b>	3 test events x 5 samples 3 shipments	1 2 3 4 5
MRSA		
SUBSCRIPTION OPTIONS		
		
		

## 8. NEISSERIA GONORRHOEAE CULTURE






Qualitative | KWIK-STIK™ Ampoule/swab









ORDER CODE	FORMAT	EXTENT
<b>NGOS435</b>	3 test events x 5 samples 3 shipments	1 2 3 4 5
<b>NGOS432</b>	3 test events x 2 samples 3 shipments	
<i>Neisseria gonorrhoeae</i>		
SUBSCRIPTION OPTIONS		
		
		

# BACTERIOLOGY EQA







## 9. STREPTOCOCCUS A ANTIGEN

Qualitative   Swabs			
ORDER CODE	FORMAT	EXTENT	COMPATIBILITY
<b>STAA435</b>	3 test events x 5 samples 3 shipments	<b>1 2</b>	No known compatibility issues with any method or analyzer.
<b>STAA432</b>	3 test events x 2 samples 3 shipments		
<i>Streptococcus A</i>			
SUBSCRIPTION OPTIONS			
			 

## 10. STREPTOCOCCUS A CULTURE


Qualitative   KWIK-STIK™ Ampoule/swab			
ORDER CODE	FORMAT	EXTENT	
<b>STAS435</b>	3 test events x 5 samples 3 shipments	<b>1 2 3 4 5</b>	
<i>Streptococcus A</i>			
SUBSCRIPTION OPTIONS			
			 

## 11. THROAT CULTURE

Qualitative   KWIK-STIK™ Ampoule/swab			
ORDER CODE	FORMAT	EXTENT	
<b>THRC435</b>	3 test events x 5 samples 3 shipments	<b>1 2 3 4 5</b>	
<b>THRC433</b>	3 test events x 3 samples 3 shipments		
Identification of normal flora and pathogen			
SUBSCRIPTION OPTIONS			
			 

# BACTERIOLOGY EQA

## 12. URINE COLONY COUNT

Semi-quantitative | Quanti-cult samples 


ORDER CODE	FORMAT	EXTENT
<b>URCC432</b>	3 test events x 2 samples x 100 mL 3 shipments	<b>1 2 3 4 5</b>

Urine colony count for screening purposes

SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  V4

## 13. URINE CULTURE

Qualitative | KWIK-STIK™ Ampoule/swab 


ORDER CODE	FORMAT	EXTENT
<b>URIC435</b>	3 test events x 5 samples 3 shipments	<b>4 5</b>
<b>URIC432</b>	3 test events x 2 samples 3 shipments	

Gram stain (one sample)                      Identification of normal flora and pathogens                      Susceptibility testing (one sample)

SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  V4

## 14. VANCOMYCIN RESISTANT ENTEROCOCCUS

Qualitative | KWIK-STIK™ Ampoule/swab 

ORDER CODE	FORMAT	EXTENT
<b>VREN435</b>	3 test events x 5 samples 3 shipments	<b>1 2 3 4 5</b>

VRE




SUBSCRIPTION OPTIONS

Full
  +RO
  +SO
  OC
  V4

# MYCOBACTERIOLOGY EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation



# MYCOBACTERIOLOGY EQA

Select the programs that correspond to your extent of testing

EXTENT 1	EXTENT 2	EXTENT 3
Interpret acid fast stains	+ Perform identification and may do susceptibility testing of <i>Mycobacterium tuberculosis</i> .	+ Perform identification of all <i>Mycobacterium</i> for clinical diagnosis and may do susceptibility testing.

## 1. MYCOBACTERIUM ACID FAST STAIN

 Science architect

Qualitative | Fixed glass slides

ORDER CODE	FORMAT	EXTENT
<b>MAFS435</b>	3 test events x 5 samples 3 shipments	<b>1</b>
Mycobacterium acid fast stain		
SUBSCRIPTION OPTIONS		
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO
<input type="checkbox"/> OC	<input type="checkbox"/> VA	

## 2. MYCOBACTERIUM SPECIES CULTURE

Qualitative | KWIK-STIK™ Ampoule/swab






ORDER CODE	FORMAT	EXTENT
<b>MSPC435</b>	3 test events x 5 samples 3 shipments	<b>3</b>
Identification of <i>Mycobacterium</i> species		
SUBSCRIPTION OPTIONS		
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO	<input type="checkbox"/> +SO
<input type="checkbox"/> OC	<input type="checkbox"/> VA	

# MYCOLOGY EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# MYCOLOGY EQA

Select the programs that correspond to your extent of testing

EXTENT 1	EXTENT 2	EXTENT 3	EXTENT 4
Isolate and identify yeast and/or dermatophytes to the genus level and perform direct antigen testing.	+ Isolate and identify yeast and/or dermatophytes to the species level.	+ Isolate and identify all fungi to the genus level.	+ Isolate and identify all fungi to the species level.

## 1. CANDIDA ANTIGEN

Qualitative   Liquid			
ORDER CODE	FORMAT	EXTENT	COMPATIBILITY
<b>CANA435</b>	3 test events x 5 samples x 1 mL 3 shipments	<b>1 2</b>	Enzyme immunoassay.
<i>Candida</i>			
SUBSCRIPTION OPTIONS			
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO +5 RO FREE	<input type="checkbox"/> +SO	<input checked="" type="checkbox"/> OC <input checked="" type="checkbox"/> V4

## 2. CRYPTOCOCCUS ANTIGEN

Qualitative   Liquid			
ORDER CODE	FORMAT	EXTENT	COMPATIBILITY
<b>CRYA432</b>	3 test events x 2 samples x 1 mL 3 shipments	<b>1 2</b>	Agglutination or enzyme immunoassay.
<i>Cryptococcus neoformans</i>			
SUBSCRIPTION OPTIONS			
<input checked="" type="checkbox"/> Full	<input type="checkbox"/> +RO +5 RO FREE	<input type="checkbox"/> +SO	<input checked="" type="checkbox"/> OC <input checked="" type="checkbox"/> V4

## MYCOLOGY EQA

### 3. DERMATOPHYTE SCREEN

Qualitative | KWIK-STIK™ Ampoule/swab



ORDER CODE	FORMAT	EXTENT	COMPATIBILITY
<b>DERS435</b>	3 test events x 5 samples 3 shipments	<b>1</b>	Dermatophyte test media.

Dermatophyte detection

#### SUBSCRIPTION OPTIONS



### 4. KOH SLIDES



Science architect

Qualitative | Glass slides

ORDER CODE	FORMAT	EXTENT
<b>KOHS432</b>	3 test events x 2 samples 3 shipments	<b>1</b>

Fungal identification

#### SUBSCRIPTION OPTIONS



### 5. MOLD / YEAST CULTURE

Qualitative | KWIK-STIK™ Ampoule/swab



ORDER CODE	FORMAT	EXTENT
<b>MOLC435</b>	3 test events x 5 samples 3 shipments	<b>3 4</b>

Mold/yeast identification

#### SUBSCRIPTION OPTIONS



# MYCOLOGY EQA

## 6. YEAST CULTURE

Qualitative | KWIK-STIK™ Ampoule/swab



ORDER CODE	FORMAT	EXTENT
<b>YEAC435</b>	3 test events x 5 samples 3 shipments	<b>1 2</b>

Yeast identification




### SUBSCRIPTION OPTIONS



# PARASITOLOGY EQA

## 2016 Test Event Calendar

The following Test Event Calendar applies for all Programs in this section.

			
Test Event	Test Event Open	Test Event Window	Results Deadline
1	Wednesday, March 23	21 days	Wednesday, April 13
2	Wednesday, June 29	21 days	Wednesday, July 20
3	Wednesday, October 19	21 days	Wednesday, November 09

## Subscription Options

The following Subscription options are available for Programs in this section.

				
Full	Report only	Sample only	Off cycle	Validation

# PARASITOLOGY EQA

Select the programs that correspond to your extent of testing

**EXTENT 1**

Detect parasites by wet mounts / pinworm preparations and perform direct antigen testing.

**EXTENT 2**

+ Use concentration methods and permanent stains for identification.

## 1. BLOOD PARASITES

Qualitative | Thin and thick blood smears

ORDER CODE	FORMAT	EXTENT
<b>BLPA435</b>	3 test events x 5 samples 3 shipments	<b>2</b>
<b>BLPA432</b>	3 test events x 2 samples 3 shipments	<b>2</b>

Blood parasite detection and identification

SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

## 2. MALARIA

Qualitative | Thin and thick blood smears

ORDER CODE	FORMAT	EXTENT
<b>MALA435</b>	3 test events x 5 samples 3 shipments	<b>2</b>

Blood smear - malaria detection and identification

SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

# PARASITOLOGY EQA

## 3. PVA SMEAR

Qualitative | Mercury fixed PVA slides

ORDER CODE	FORMAT	EXTENT
<b>PVAS435</b>	3 test events x 5 samples 3 shipments	<b>2</b>
<b>PVAS432</b>	3 test events x 2 samples 3 shipments	

PVA slides - parasite detection and identification

### SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA

## 4. WET MOUNT

Qualitative | Formalin preserved fecal suspension

ORDER CODE	FORMAT	EXTENT
<b>WMNT435</b>	3 test events x 5 samples x 0.75 mL 3 shipments	<b>1</b>
<b>WMNT432</b>	3 test events x 2 samples x 0.75 mL 3 shipments	

Wet mount - parasite detection and identification

### SUBSCRIPTION OPTIONS

Full
  +RO +5 RO FREE
  +SO
  OC
  VA



# 2016 CALENDAR

	<b>TE 1</b>   Feb 24 - Mar 16
<b>Test Event 1</b>   Opening Date: Mar 23 - Results Deadline: Apr 13	
<b>Test Event 2</b>   Opening Date: Jun 29 - Results Deadline: Jul 20	
	<b>TE 2</b>   Sep 07 - Sep 28
<b>Test Event 3</b>   Opening Date: Oct 19 - Results Deadline: Nov 09	
<p><b>Andrology</b></p> <p>SPER432 SPES432 SPMO432 SPVB432</p> <p><b>Bacteriology</b></p> <p>AFVP435 BLCU435 CLDA435 GENC435 MRSA435 NGOS435 STAA435 THRC433 URCC432 URIC435</p> <p>BACT435 CLDA432 GENC432 GRAM435 NGOS432 STAA432 STAS435 THRC435 URIC432 VREN435</p> <p><b>Chemistry</b></p> <p>ALCH435 CARM432 COHB435 FLCH433 IBGH435 SPCH432 SWEA433 TRSE432 UHCG435 WGLU432</p> <p>AMMN432 CARM435 CSFT432 FOBD432 KETN432 SPIM432 TOXI432 TRUR432 URCH432 WGLU435</p> <p>BCHE435 CCHM432 ENDO432 GLHB432 NITZ431 SPRO435 TOXI435 TUMK432 URIN432 WHGN432</p> <p>BGAS432 CCHM435 ENDO435 GOBD432 SHCG432 SPUC432 TPRO435 UDOA432 URMA432 WHGN435</p> <p>BGAS435 COHB432 FFIB432 IBGH432 SHCG435 SUPR432 TRBD432 UHCG432 USED432</p> <p><b>Clinical Microscopy</b></p> <p>F ECS431 FERN431 KOHP431 NASM431 PINW431 VAGP431</p> <p><b>Clinical Serology</b></p> <p>AVIR435 HEPM435 HIVA435 HPYL432 HTLV4310 MONO432 TORC435</p> <p>EBVS432 HEPM4310 HIVC4310 HSVC432 LYME432 MONO435 TREP435</p> <p>EBVS435 HIVA432 HIVC435 HTLV435 MMBS4320 MYPL432 TREP4310</p> <p><b>Clinical NAT</b></p> <p>DTSI435</p> <p><b>Coagulation</b></p> <p>COAG432 COAG435 COFH433 DDIM432 ORAC432 PLPX431 THBP432</p> <p><b>Diagnostic Immunology</b></p> <p>AIAP432 AICN432 AIOR432 AITH433 ANAB435 CRPR432 HCRP432</p> <p>AIAR432 AICO432 AIRH432 ALLY433 ANSO435 FOOD433 RHFA435</p> <p><b>Hematology</b></p> <p>BFLD432 ESRA433 HEFA435 HEFE435 HEFH435 HEMA435 QASI432 RETC432</p> <p>CELL435 FLPG432 HEFB435 HEFF435 HEFI435 HETA435 RETA432 RETD432</p> <p>ERSR432 FRBC432 HEFD435 HEFG435 HEMA432 HETB435 RETB432 SCSC432</p> <p><b>Molecular Diagnostics</b></p> <p>TBRR432</p> <p><b>Mycobacteriology</b></p> <p>MAFS435 MSPC435</p> <p><b>Mycology</b></p> <p>CANA435 CRYA432 DERS435 KOHS432 MOLC435 YEAC435</p> <p><b>Parasitology</b></p> <p>BLPA432 BLPA435 MALA435 PVAS432 PVAS435 WMNT432 WMNT435</p> <p><b>Transfusion Medicine</b></p> <p>BTME435 CTME435 DATG432</p>	<p><b>Clinical NAT</b></p> <p>HIVG425</p> <p>HIVT425</p>

# 2016 CALENDAR

					TE 1   Jan 20 - Jan 27
					TE 2   Feb 17 - Feb 24
TE 1   Feb 24 - Mar 16	TE 1   Mar 09 - Mar 16	TE 1   Mar 09 - Mar 16	TE 1   Mar 09 - Mar 16		TE 3   Mar 16 - Mar 23
				TE 1   Mar 23 - Mar 30	TE 4   Apr 20 - Apr 27
			TE 2   Apr 20 - Apr 27		TE 5   May 18 - May 25
TE 2   Jun 01 - Jun 22	TE 2   Jun 08 - Jun 15			TE 2   May 04 - May 11	TE 6   Jun 15 - Jun 22
			TE 3   Jun 08 - Jun 15		TE 7   Jul 20 - Jul 27
				TE 3   Jun 22 - Jun 29	TE 8   Aug 17 - Aug 24
			TE 4   Aug 24 - Aug 31		TE 9   Sep 14 - Sep 21
TE 3   Sep 07 - Sep 28	TE 3   Sep 21 - Sep 28	TE 2   Sep 21 - Sep 28	TE 5   Sep 21 - Sep 28	TE 4   Sep 07 - Sep 14	TE 10   Oct 12 - Oct 19
				TE 5   Oct 05 - Oct 12	TE 11   Nov 16 - Nov 23
			TE 6   Nov 16 - Nov 23		
				TE 6   Nov 30 - Dec 07	TE 12   Dec 07 - Dec 14
<b>Clinical NAT</b> CMVN435 CTNG435 HAPN435 HBVL435 HCVG435 HCVL435 HCVN435 HIVL435 HSVN435 NATA4315	<b>Chemistry</b> CHEM433 NEOB435 THDM433  <b>Standardization</b> GFRM733 GFRR733 GHGB733 LIPD733	<b>Standardization</b> CHOL726	<b>Standardization</b> GFRB716	<b>Standardization</b> GFRC715	<b>Standardization</b> GFRM7123

# 2016 CALENDAR

	<b>TE 1</b>   Jan 20 - Jan 27
	<b>TE 2</b>   Feb 10 - Feb 17
	<b>TE 3</b>   Mar 02 - Mar 09
<b>TE 1</b>   Mar 23 - Apr 13	<b>TE 4</b>   Apr 13 - Apr 20
	<b>TE 5</b>   May 18 - May 25
	<b>TE 6</b>   Jun 08 - Jun 15
<b>TE 2</b>   Jun 29 - Jul 20	<b>TE 7</b>   Jul 06 - Jul 13
	<b>TE 8</b>   Aug 10 - Aug 17
<b>TE 3</b>   Oct 19 - Nov 09	<b>TE 9</b>   Sep 07 - Sep 14
	<b>TE 10</b>   Oct 19 - Oct 26
	<b>TE 11</b>   Nov 09 - Nov 16
<b>TE 4</b>   Nov 23 - Dec 14	
	<b>TE 12</b>   Dec 07 - Dec 14
<p><b>Chemistry 4 TE</b>            BCHE443            CCHM443            ENDO443            SPRO442            TOXI443            TUMK443            UDOA443</p> <p><b>Coagulation 4 TE</b>            COAG443            COFH443            DDIM442            THBP442</p> <p><b>Transfusion Medicine 4 TE</b>            IMHE442            IMHX444</p> <p><b>Diagnostic Immunology 4 TE</b>            ALLY443            FOOD443</p>	<p><b>Monthly TE</b>            BCHE4121            BGAS4121            CARM4121            COAG4121            HEMA4121            SPRO4121            TUMK4121            UDOA4121            URIN4121</p>

**To achieve universal testing accuracy for improved healthcare for all people.**

Your ideas, commitment and energy will advance this mission. Accordingly, if you have any suggestions for new programs or system features, or if you know of any groups that might be interested in becoming Collaboration Members or Science Architects, please let us know at [secretariat@oneworldaccuracy.org](mailto:secretariat@oneworldaccuracy.org).



[oneworldaccuracy.org](http://oneworldaccuracy.org)