



American  
Proficiency  
Institute

Innovative Solutions.  
Technical Excellence.

# 2023

## CATALOG OF PROGRAMS

ACCEPTED BY: CAP, CMS, COLA, TJC

ISO Accredited by A2LA: Cert. #3094.01 - see p. 8

Learn more at  
**api-pt.com**





**Technical expertise.  
Responsive service.  
Constant innovation.**

**We're proficient at all of them.**

When it comes to proficiency testing, reliability is everything. You need a provider that fully supports you with technical expertise and prompt, personal service. At API, we work with over 20,000 laboratories, covering all areas of laboratory medicine. Impressive numbers, for sure. But our reputation as a leader has grown because we are committed to providing the best customer service in the industry. We handle each contact promptly and professionally, so you don't wait for answers. Our technical experts fully understand the laboratory so they can assist you with a wide range of needs. We also provide automated result transmission, creative online services, and free Continuing Education credits.

The end result? With API, you have people and results you can rely on to meet all your proficiency testing needs.









# Upload your proficiency testing results without an interface!

## API DataDirect

**Eliminate** the #1 cause of Proficiency Testing failures, **Clerical Errors!**

- Quantitative & Qualitative results
- Automated mapping of test names
- No middleware or software installation
- No additional cost - it's free!

Over 5 million results have been successfully uploaded using this revolutionary technology!

The process is simple:



DataDirect utilizes the ability of your LIS to run a report and create a data file which is uploaded on API's website.

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# Enrollment Information

## Enrollment

1. Use this catalog to select the programs you need and record the selections on the order form. Please follow the instructions below to complete the form. Make sure to include:

- a. Shipping Address
- b. Billing Address (if different than shipping address)
- c. Regulatory Information (CLIA number, CAP, TJC, or COLA, etc. )
- d. Payment Method:
  - If paying by check, mail to:  
American Proficiency Institute  
Department 9526  
P.O. Box 30516  
Lansing, MI 48909-8016

2. Ensure the "TOTAL" includes the \$125 Annual Enrollment fee which covers shipping, administrative costs of setting up customer files, data processing, and reports.

3. To Order:

- a. Email your order to [CustomerService@api-pt.com](mailto:CustomerService@api-pt.com)
- b. Fax the order form to us at 855-900-6119
- c. Call us at 800-333-0958 and speak with a Customer Service Representative
- d. Mail orders to:  
American Proficiency Institute  
Department 9526  
P.O. Box 30516  
Lansing, MI 48909-8016

4. After processing your order, we will send you an "Order Confirmation" showing products ordered and pre-set shipping dates:

- a. Mark your calendar with the shipment dates.  
If your kit does not arrive within 3 business days after the shipment date, call us so we can track the kit or issue a replacement.
- b. Inspect your kit immediately upon receipt. Call us within 3 days if any sample is missing or damaged to request a replacement. Please call prior to discarding any damaged samples or refusing a kit.
- c. Read the instructions carefully before beginning a test. Some samples require special handling before testing.
- d. Keep a copy of any result forms mailed to API.

## Partial Year Orders

API makes every effort to accommodate new orders or order changes throughout the year. Except for the annual enrollment fee, we will prorate the prices for orders received after the first shipment.

## Cancellations

We will credit any charges for unshipped specimens if we receive notification four weeks prior to the next shipment. In accordance with our cancellation policy, all credits expire within 120 days of the credit memo date. The annual enrollment fee is nonrefundable.

## International and Non-Continental U.S. Customers

API is able to service many international locations and non-continental U.S. customers. Some locations, including the state of Hawaii, U.S. territories and commonwealths, as well as international locations, may require import permits for API shipments. Local authorities can assist you in determining if any permits are required for your location. *Please note: It is the responsibility of the testing facility to obtain any required import permits.*

Additional shipping charges for international and non-continental U.S. locations may apply. Please contact Customer Service at [CustomerService@api-pt.com](mailto:CustomerService@api-pt.com) for more information.

# 2023 Highlights

## API Proficiency Testing Programs are CAP Accepted!

We are pleased to report that the College of American Pathologists continues to accept proficiency testing programs from the American Proficiency Institute. This means CAP accredited laboratories can use API's proficiency testing programs. Please refer to the index on pages 138 through 143 for a complete listing of CAP accepted analytes. API programs are also accepted by CMS, COLA, TJC, and state regulatory agencies including New York state.

## API is ISO Accredited!

We are proud to be accredited as a proficiency testing provider to the requirements of ISO/IEC 17043:2010. We are accredited by the American Association for Laboratory Accreditation (A2LA) under certificate number 3094.01 ([www.A2LA.org](http://www.A2LA.org)). A2LA is a signatory to the ILAC Mutual Recognition Arrangement (MRA) which provides global recognition of PT accreditations. Programs included under the scope of this accreditation are marked with a ✓ in this catalog.\* Evaluations for accredited analytes can be used by ISO 15189-accredited laboratories to fulfill PT requirements.

*\*Printed versions of the catalog may not have the most current scope information; please see online catalog for current status.*

## Track Proficiency Performance using API DataDashboard

With API's DataDashboard, laboratories can quickly and easily view proficiency testing performance over the most recent six test events. The dashboard includes trend data by analyte, percentage of acceptable results compared to all API labs, failure count by test event, and analytes with unsatisfactory performance. Customers can log in to their API Paperless PT account to access their dashboard. Contact us at [TechSupport@api-pt.com](mailto:TechSupport@api-pt.com) or call us if you need assistance.

## Automated Proficiency Results with API DataDirect

Using their laboratory information system (LIS) or middleware, laboratories may now transmit proficiency testing results directly to API, a process that revolutionizes proficiency testing for clinical laboratories. No more manual data entry, no more clerical errors, no new technology systems to purchase, and no additional fees! DataDirect is easy to use and saves time! Contact us at [DataDirect@api-pt.com](mailto:DataDirect@api-pt.com) or call us for a demonstration and free Test Drive.

## 2023 Shipping Schedule

Below is a general shipping schedule. A printable shipping and reporting schedule is available on our website. Shipping dates will also be printed on your order confirmation.

2023 SHIPPING SCHEDULE	1st Event Ship Date	2nd Event Ship Date	3rd Event Ship Date
Chemistry - Core	January 9	May 15	August 21
Chemistry - Miscellaneous	April 17	October 9	-
Hematology	March 6	July 10	November 6
Andrology	March 6	-	November 6
Coagulation	March 6	July 10	November 6
Urinalysis, Microscopy - Misc.	March 6	July 10	November 6
Microbiology	February 6	June 5	September 18
Immunology / Immunohematology	March 27	August 7	November 27



## New & Enhanced Programs!

- Advanced Body Fluid Microscopy (Virtual only) - #262 on page 44.
- Anti-Müllerian Hormone - #155\* on page 12.
- Blood Culture Staph aureus (molecular) - #355 on page 73.
- CSF Bacterial Antigen (latex) - #318 on page 77.
- Hematology - 5P - #292 on page 42.
- HSV 1 & 2 Antibody - *HSV-1 Antibody added* - #430\* on page 111.
- Infectious Disease Serology - *Epstein-Barr virus (EBV) and VZV Total Ab added* - #438\* on page 112.
- Joint Infection Panel - #390 on page 101.
- Mycology and Aerobic Actinomycetes - *Antifungal Susceptibility added* - #331\* on page 91.
- Nail Fungus Panel - #391 on page 102.
- New Competency Programs - see pages 128 - 135.
- Respiratory Panel - *Bocavirus and Parechovirus added* - #370 on page 102.
- Respiratory Virology SARS/Flu/RSV (molecular) - #388 on page 97.
- Trichomonas (Virtual only) - #263 on page 66.
- Urea Breath Test - #193 on page 34.
- UTI Panel - #389 on page 103.
- Vaginal Panel - *Atopobium vaginae, BVAB-2, Gardnerella vaginalis, Lactobacillus sp., Candida albicans, Candida dubliniensis, Candida parapsilosis, Candida tropicalis added* - #376 on page 103.

\*Contains some analytes that are not yet CAP accepted.

If you have any questions or need assistance with ordering, please email [CustomerService@api-pt.com](mailto:CustomerService@api-pt.com) or call us at 800-333-0958. Visit our website, [api-pt.com](http://api-pt.com), to view our catalog and full shipping and reporting schedule.

# CHEMISTRY

CHEMISTRY - CORE	1st Event	2nd Event	3rd Event
Ship Dates	January 9	May 15	August 21
Replacement Deadline	January 17	May 23	August 29
PT Results Due Date	February 1	June 7	September 13
Verification Due Date	February 15	June 21	September 27
Evaluations Available Online	February 21	June 27	October 3

CHEMISTRY - MISCELLANEOUS	1st Event	2nd Event
Ship Dates	April 17	October 9
Replacement Deadline	April 25	October 17
PT Results Due Date	May 10	November 1
Verification Due Date	May 17	November 8
Evaluations Available Online	May 30	November 21



## Alcohol

### Program Description

2 mL serum - For quantitative Alcohol, Ethylene Glycol, Isopropanol, Methanol, and qualitative Acetone (ketone) testing. For quantitative Beta-hydroxybutyrate testing, see #174 - B-Ketone on page 13.

### Program Information

137 Alcohol ✓  
A37 Alcohol - Verification Program

### Analytes

Acetone

Ethylene Glycol

► Methanol

**Alcohol**

► Isopropanol

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Ammonia

### Program Description

2 mL serum

### Program Information

138 Ammonia ✓  
A38 Ammonia - Verification Program

### Analytes

Ammonia

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Amniotic Fluid pH

### Program Description

0.5 mL simulated amniotic fluid - For Nitrazine methods.

### Program Information

166 Amniotic Fluid pH ✓

### Analytes

pH (interpretation)

pH (nitrazine)

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Anti-epileptic Drugs

### Program Description

4 mL lyophilized serum

### Program Information

190 Anti-epileptic Drugs

### Analytes

Gabapentin

Levetiracetam

Oxcarbazepine

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Anti-Müllerian Hormone

### Program Description

2 mL liquid

### Program Information

155 Anti-Müllerian Hormone

### Analytes

► AMH

► Analyte is not CAP accepted.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Apolipoproteins

### Program Description

1 mL serum

### Program Information

130 Apolipoproteins

### Analytes

Apolipoprotein A1

Apolipoprotein B

Lipoprotein (a)

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## B-Ketone

### Program Description

1 mL liquid - For quantitative Beta-hydroxybutyrate testing performed on chemistry analyzers or whole blood glucometers. For qualitative testing using Bayer Acetest, see #137 - Alcohol on page 11.

### Program Information

174 B-Ketone ✓

### Analytes

Beta-hydroxybutyrate

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## Blood Gas

### Program Description

3 mL ampule - For i-STAT see #145 - i-STAT Chemistry on page 24. For competency, see Q11 - Blood Gas - Competency on page 129.

### Program Information

111 Blood Gas ✓  
187 Additional Blood Gas Ampules  
A11 Blood Gas - Verification Program

### Analytes

pCO<sub>2</sub>

pH

pO<sub>2</sub>

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Blood Gas Plus

### Program Description

3 mL ampule - For combination blood gas/electrolyte analyzers with or without hematocrit option. For i-STAT see #145 - i-STAT Chemistry on page 24. For competency, see Q11 - Blood Gas - Competency on page 129.

### Program Information

112 Blood Gas Plus ✓  
187 Additional Blood Gas Ampules  
A12 Blood Gas Plus - Verification Program

### Analytes

**BUN**

Calcium, ionized

**Chloride**

**Creatinine**

**Glucose**

▶ Analyte is not CAP accepted.

**Hematocrit**

**Hemoglobin, calculated**

Lactate

▶ Magnesium, ionized

pCO<sub>2</sub>

✓ Program is included in our A2LA scope of accreditation.

**pH**

**pO<sub>2</sub>**

**Potassium**

**Sodium**

tCO<sub>2</sub>

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Blood Lead - 5

### Program Description

6 mL hemolysate - Designed for LeadCare I, Plus, and Ultra.

### Program Information

172 Blood Lead - 5 ✓

### Analytes

#### Lead

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

## Blood Lead (Waived)

### Program Description

6 mL hemolysate - Designed for the LeadCare II.

### Program Information

173 Blood Lead (Waived) ✓

### Analytes

#### Lead

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

# Blood Oximetry

## Program Description

2 mL ampule - Hemoglobin source is bovine.

## Program Information

- 114 Blood Oximetry ✓
- A14 Blood Oximetry - Verification Program

## Analytes

Carboxyhemoglobin	<b>Hemoglobin, total</b>	Oxyhemoglobin
<b>Hematocrit, calculated</b>	Methemoglobin	

✓ Program is included in our A2LA scope of accreditation.

## Format

5 samples x 3 shipments

## Shipping Dates

Jan. 9, May 15, Aug. 21



## Cardiac Markers - 5

### Program Description

1.5 mL liquid - CAP accredited labs must test five samples for all Cardiac Markers except D-dimer, Myoglobin, and waived BNP.

### Program Information

140 Cardiac Markers - 5 ✓  
 165 Additional Sample Volume  
 A40 Cardiac Markers - Verification Program

### Analytes

BNP	Myoglobin	Troponin T (► qualitative)
<b>CK, total</b>	NT pro-BNP	Troponin T (high-sensitivity)
<b>CK-MB</b>	Troponin I	
D-dimer	Troponin I (high-sensitivity)	

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Cardiac Markers - 2

### Program Description

1.5 mL liquid - CAP accredited labs must test five samples for all Cardiac Markers except D-dimer, Myoglobin, and waived BNP.

### Program Information

920 Cardiac Markers - 2 ✓  
 J20 Cardiac Markers - Verification Program

### Analytes

BNP (► non-waived)	► NT pro-BNP	► Troponin T
D-dimer	► Troponin I	► Troponin T (high-sensitivity)
Myoglobin	► Troponin I (high-sensitivity)	

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Basic Chemistry

### Program Description

5 mL serum - Cholestech users see #176/976 - Lipid Plus on page 26. For quantitative HCG, see #409 - Serum HCG on page 29.

### Program Information

121 Basic Chemistry ✓  
141 Additional Sample Volume  
A21 Basic Chemistry - Verification Program

### Analytes

**ALT (SGPT)**

**AST (SGOT)**

Bilirubin, direct

**Bilirubin, total**

**Calcium**

**Chloride**

**Cholesterol**

CO<sub>2</sub>

**Creatinine**

**Glucose**

**HDL Cholesterol**

LDL, calculated and measured

**Potassium**

**Sodium**

**Triglycerides**

**Urea Nitrogen (BUN)**

**Uric Acid**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Chemistry - Endocrinology

### Program Description

5 mL serum - OCD Vitros labs performing thyroid tests, see #175 - Thyroid - Special on page 30. For quantitative HCG, see #409 - Serum HCG on page 29.

### Program Information

125 Chemistry - Endocrinology ✓

### Analytes

**Alpha-fetoprotein**

**Cortisol**

Free T3

**Free T4**

**T Uptake**

**Thyroxine (T4)**

**Triiodothyronine (T3)**

**TSH**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21



## Comprehensive Chemistry

### Program Description

5 mL serum - OCD Vitros labs performing thyroid tests, see #175 - Thyroid - Special on page 30. Cholestech users see #176/976 - Lipid Plus on page 26. For quantitative HCG, see #409 - Serum HCG on page 29.

### Program Information

122	Comprehensive Chemistry ✓
141	Additional Sample Volume
A22	Comprehensive Chemistry - Verification Program

### Analytes

#### Albumin

#### Alkaline Phosphatase

#### Alpha-fetoprotein

#### ALT (SGPT)

#### Amylase

#### AST (SGOT)

Bilirubin, direct

#### Bilirubin, total

#### Calcium

Calcium, ionized

#### Chloride

#### Cholesterol

► Cholinesterase

CO<sub>2</sub>

#### Cortisol

► Analyte is not CAP accepted.

#### Creatine Kinase (CK)

#### Creatinine

Free T3

#### Free T4

GGT

#### Glucose

#### HDL Cholesterol

#### Iron

Lactic Acid

#### LDH

LDL, calc. and measured

Lipase

#### Magnesium

Osmolality

Phosphorus

#### Potassium

#### Sodium

#### T Uptake

#### Thyroxine (T4)

TIBC (iron based calculation)

TIBC, measured

#### Total Protein

#### Triglycerides

#### Triiodothyronine (T3)

#### TSH

UIBC, measured

#### Urea Nitrogen (BUN)

#### Uric Acid

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Chemistry - waived

### Program Description

5 mL serum - For waived methods. Cholestech users see #976 - Lipid Plus - 2 samples on page 26.

### Program Information

144 Chemistry - waived ✓  
A44 Chemistry - waived - Verification Program

### Analytes

Albumin	Cholesterol	Phosphorus
Alkaline Phosphatase	CO <sub>2</sub>	Potassium
ALT (SGPT)	Creatine Kinase (CK)	Sodium
Amylase	Creatinine	Total Protein
AST (SGOT)	GGT	Triglycerides
Bilirubin, total & direct	Glucose	Urea Nitrogen (BUN)
Calcium	HDL Cholesterol	Uric Acid
Chloride	LDL, calc. and measured	

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

## Cystatin C

### Program Description

1 mL liquid

### Program Information

170 Cystatin C

### Analytes

Cystatin C

#### Format

2 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

## Fetal Fibronectin

### Program Description

1 mL liquid

### Program Information

142 Fetal Fibronectin ✓

### Analytes

Fetal Fibronectin

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Fetal ROM

### Program Description

1 mL simulated amniotic fluid for ROM methods. Compatible with Actim Prom, AmniSure ROM, and Clinical Innovations ROM Plus.

### Program Information

131 Fetal ROM ✓

### Analytes

Fetal Membranes Rupture Test

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Fructosamine

### Program Description

1 mL serum

### Program Information

135 Fructosamine

### Analytes

Fructosamine

#### Format

3 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

## Glycohemoglobin

### Program Description

0.7 mL hemolysate - CAP accredited labs using a non-waived method must test five samples for glycohemoglobin. For Afinion see #134 - Glycohemoglobin - whole blood on page 23.

### Program Information

126 Glycohemoglobin - 5 samples ✓  
179 Glycohemoglobin - Additional Sample Volume - 5 samples  
127 Glycohemoglobin - 2 samples ✓  
167 Glycohemoglobin - Additional Sample Volume - 2 samples  
A27 Glycohemoglobin - Verification Program - 2 samples

### Analytes

Glycohemoglobin (as HbA1c)

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

## Glycohemoglobin - whole blood

### Program Description

0.5 mL liquid - For laboratories using Afinion analyzers for HbA1c testing.

### Program Information

134 Glycohemoglobin - whole blood ✓

### Analytes

Glycohemoglobin (as HbA1c)

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## HemoCue

### Program Description

1 mL hemolysate - For HemoCue 201 Series, HemoCue 301 analyzers, and HemoCue 801.

### Program Information

128 HemoCue - 5 samples ✓

928 HemoCue - 2 samples ✓

J28 HemoCue - Verification Program - 2 samples

### Analytes

Glucose

Hemoglobin

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## i-STAT Chemistry

### Program Description

3 mL ampule - For ACT testing see #215 - i-STAT ACT on page 59. For BNP, CK-MB, & Troponin I, see #140/920 - Cardiac Markers programs on page 17. For quantitative hCG see #409 - Serum HCG on page 29. For competency, see Q12 - i-STAT Chemistry - Competency on page 132.

### Program Information

145 i-STAT Chemistry ✓  
188 Additional i-STAT Chemistry Ampules  
A45 i-STAT Chemistry - Verification Program

### Analytes

Calcium, ionized

**Chloride**

**Creatinine**

**Glucose**

**Hematocrit**

**Hemoglobin**

Lactate

**pCO<sub>2</sub>**

**pH**

**pO<sub>2</sub>**

**Potassium**

**Sodium**

tCO<sub>2</sub>

**Urea Nitrogen (BUN)**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## i-STAT Chemistry - waived

### Program Description

3 mL ampule - For i-STAT analyzers for waived testing or non-scored analytes. For competency, see Q12 - i-STAT Chemistry - Competency on page 132.

### Program Information

945 i-STAT Chemistry - waived ✓  
J45 i-STAT Chemistry - waived - Verification Program

### Analytes

Calcium, ionized

Chloride

Creatinine

Glucose

Hematocrit

Hemoglobin

Lactate

Potassium

Sodium

tCO<sub>2</sub>

Urea Nitrogen (BUN)

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Immunoassay

### Program Description

5 mL serum

### Program Information

- 180 Immunoassay - 5 samples ✓  
 133 Immunoassay - 2 samples ✓  
 A33 Immunoassay - Verification Program - 2 samples

### Analytes

11-Deoxycortisol	Folate	Prolactin
► 17-OH-Progesterone	FSH	PSA, total
► Androstenedione	Growth Hormone	Testosterone
CEA	Homocysteine	TIBC (transferrin based calc)
DHEA-S	LH	Transferrin
Estradiol	► PAP	Vitamin B12
► Estriol	Prealbumin	
Ferritin	Progesterone	
► Analyte is not CAP accepted.	✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.	

### Format

3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Immunoassay - Special

### Program Description

2 mL lyophilized serum

### Program Information

- 182 Immunoassay - Special - 5 samples ✓  
 160 Immunoassay - Special - 2 samples ✓  
 A60 Immunoassay - Special - Verification Program - 2 samples

### Analytes

1-25-(OH) <sub>2</sub> Vitamin D (D3)	► Calcitonin	Osteocalcin
25-OH Vitamin D	► Gastrin	PTH
► ACTH	► IGF-1	► Renin Activity
C-peptide	Insulin	► Renin (Direct Concentration)
► Analyte is not CAP accepted.	✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.	

### Format

3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Immunosuppressive Drugs

### Program Description

1 mL whole blood

### Program Information

189      Immunosuppressive Drugs

### Analytes

► Cyclosporine

► Tacrolimus

► Analyte is not CAP accepted.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Lamellar Body Count

### Program Description

2 mL liquid - For lamellar body counts performed on Hematology analyzers.

### Program Information

208      Lamellar Body Count ✓

### Analytes

Lamellar Body Count

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Lipid Plus

### Program Description

1 mL serum - For laboratories using the Cholestech analyzer. #976 is not scored for CMS.

### Program Information

176      Lipid Plus - 5 samples ✓

976      Lipid Plus - 2 samples ✓

### Analytes

**Cholesterol**

**Glucose**

**HDL Cholesterol**

LDL Cholesterol, calc.

**Triglycerides**

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Neonatal Bilirubin

### Program Description

1 mL serum - Bilirubin levels targeted to be representative for those seen in newborns. #129 is not scored for CMS.

### Program Information

- 147 Neonatal Bilirubin - 5 samples ✓
- 129 Neonatal Bilirubin - 2 samples ✓
- A29 Neonatal Bilirubin - Verification Program - 2 samples

### Analytes

Bilirubin, direct

**Bilirubin, total**

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## POC Glucose A

### Program Description

1 mL liquid - For waived blood glucose meters. Per CMS, only one set of proficiency results may be reported. Facilities using more than one meter should also enroll in X23, A23, X18, or J18. True Metrix and True Metrix Pro users see #979 - POC Glucose B on page 28.

### Program Information

- 123 POC Glucose A - 5 samples ✓
- 192 Additional Volume POC Glucose A - 5 samples
- X23 Extra results POC Glucose A - Verification Program - report results for up to 20 additional meters using #123 samples
- A23 POC Glucose A - Verification Program - report up to 20 results - 5 samples
- 918 POC Glucose A - 3 samples ✓
- 992 Additional Volume POC Glucose A - 3 samples
- X18 Extra results POC Glucose A - Verification Program - report results for up to 20 additional meters using #918 samples
- J18 POC Glucose A - Verification Program - report up to 20 results - 3 samples

### Analytes

Glucose

✓ Program is included in our A2LA scope of accreditation.

### Format

2 shipments

### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## POC Glucose B

### Program Description

2 mL liquid - For True Metrix and True Metrix Pro glucose meters. Per CMS, only one set of proficiency results may be reported. Facilities using more than one meter should also enroll in X79 or J79.

### Program Information

- 979 POC Glucose B - 3 samples  
X79 Extra results POC Glucose B - Verification Program - report results for up to 20 additional meters using #979 samples  
J79 POC Glucose B - Verification Program - report up to 20 results - 3 samples

### Analytes

Glucose

#### Format

3 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

## Procalcitonin

### Program Description

2 mL lyophilized samples

### Program Information

- 169 Procalcitonin ✓

### Analytes

Procalcitonin

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## Psychoactive Drugs

### Program Description

5 mL lyophilized serum

### Program Information

191 Psychoactive Drugs

### Analytes

► Amitriptyline

► Nortriptyline

► Analyte is not CAP accepted.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Serum HCG

### Program Description

1 mL serum - For quantitative and qualitative serum HCG methods. Due to CLIA regulations, to report results for both quantitative and qualitative serum HCG, order #409 and #D09.

### Program Information

409 Serum HCG ✓

D09 Serum HCG - Verification Program

### Analytes

#### HCG

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## SHBG and Testosterone

### Program Description

2 mL lyophilized samples

### Program Information

171 SHBG and Testosterone ✓

### Analytes

Sex Hormone Binding Globulin

Testosterone, free

Testosterone, total

Testosterone, bioavailable

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Therapeutic Drugs

### Program Description

5 mL serum - For Anti-epileptic Drugs, Immunosuppressive Drugs, and Psychoactive Drugs, see #189, #190, #191, on pages 12, 26, and 29.

### Program Information

- 132 Therapeutic Drugs ✓  
136 Therapeutic Drugs - add on option to #121 or 122 ✓  
A36 Therapeutic Drugs - Verification Program

### Analytes

Acetaminophen

Amikacin

► Caffeine

**Carbamazepine**

**Digoxin**

**Gentamicin**

► Analyte is not CAP accepted.

► Lidocaine

**Lithium**

► Methotrexate

**Phenobarbital**

**Phenytoin**

Salicylates

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

**Theophylline**

**Tobramycin**

**Valproic Acid**

Vancomycin

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

## Thyroid - Special

### Program Description

0.75 mL serum - Designed for the OCD Vitros analyzers.

### Program Information

- 175 Thyroid - Special ✓

### Analytes

Free T3

**Free T4**

**T Uptake**

**Thyroxine (T4)**

**Triiodothyronine (T3)**

**TSH**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Tumor Markers

### Program Description

2 mL serum

### Program Information

183 Tumor Markers - 5 samples ✓  
150 Tumor Markers - 2 samples ✓

### Analytes

Beta-2 Microglobulin

CA 125

CA 15-3

CA 19-9

CA 27.29

CEA

► PSA, complexed

PSA, free

PSA, total

PSA (free/total ratio)

Thyroglobulin

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

3 shipments

### Shipping Dates

Jan. 9, May 15, Aug. 21



# URINE CHEMISTRY AND BODY FLUID ANALYSIS

## Acute Kidney Injury Risk Assessment

### Program Description

1.5 mL lyophilized simulated urine - For use with the NEPHROCHECK test system.

### Program Information

186 Acute Kidney Injury Risk Assessment

### Analytes

AKI Risk Score (IGFBP-7 \* TIMP-2)

#### Format

3 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

## CSF & Body Fluid Chemistry

### Program Description

CSF Chemistry - 3 samples; Body Fluid Chemistry - 3 samples. For Manual Cell Count and Body Fluid Crystals see #277 - Cell Count & Body Fluid Crystals on page 46.

### Program Information

177 CSF & Body Fluid Chemistry ✓

### Analytes - CSF Chemistry

► Albumin  
Chloride  
Glucose

► IgG  
Lactic Acid  
LDH

Sodium  
Total Protein

### Analytes - Body Fluid Chemistry

Albumin  
Alkaline Phosphatase  
Amylase  
Bilirubin, total  
Calcium  
Chloride

Cholesterol  
Creatinine  
Glucose  
LDH  
Lipase  
pH

Potassium  
Sodium  
Total Protein  
Triglycerides  
Urea Nitrogen  
Uric Acid

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation.

#### Format

6 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

## Ethyl Glucuronide

### Program Description

5 mL urine - For qualitative testing.

### Program Information

148 Ethyl Glucuronide ✓

### Analytes

Ethyl glucuronide (EtG)

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

## Microalbumin

### Program Description

3 mL urine - For semi-quantitative dipstick or quantitative analysis. Recommended for Afinion users. If your lab is also performing other urine chemistry tests, see #143 - Urine Chemistry on page 35.

### Program Information

236 Microalbumin ✓

### Analytes

Microalbumin

Urine Creatinine

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 samples x 2 shipments

#### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Sweat Analysis

### Program Description

3 mL liquid - For sweat analysis.

### Program Information

163      Sweat Analysis

### Analytes

Chloride (qualitative)

► Chloride (quantitative)

► Analyte is not CAP accepted.

Conductivity

Osmolality

Sodium

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Urea Breath Test

**NEW**

### Program Description

2 paired sets of air filled sample bags - For the detection of urease associated with H. pylori from breath samples. For use with the Meridian Breath ID platform.

### Program Information

193      Urea Breath Test

### Analytes

Urease

### Format

2 paired samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Urine Adulteration Test

### Program Description

10 mL urine - Qualitative or quantitative tests for urine adulteration. For Urine Drug Screen see #139 on page 35.

### Program Information

146      Urine Adulteration Test ✓

### Analytes

Creatinine

Nitrite

Oxidants

pH

Specific Gravity

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Urine Chemistry

### Program Description

10 mL urine - For quantitative analysis. If your lab is performing only microalbumin and/or creatinine, or for the Afinion microalbumin, see #236 - Microalbumin on page 33.

### Program Information

143 Urine Chemistry ✓

### Analytes

Amylase	Microalbumin	Total Nitrogen
Calcium	Microalbumin/Creatinine Ratio	Total Protein
Chloride	Osmolality	Urea Nitrogen
Creatinine	Phosphorus	Uric Acid
Glucose	Potassium	
Magnesium	Sodium	

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

## Urine Drug Screen

### Program Description

10 mL urine - Qualitative or quantitative tests for urine drug screen.

### Program Information

139 Urine Drug Screen ✓<sub>(qual)</sub>  
A39 Urine Drug Screen - Verification Programs

### Analytes

6-Acetylmorphine	Cocaine Metabolites	Methamphetamines
Acetaminophen	Cotinine	Methaqualone
Alcohol	EDDP	Opiates
Amphetamines	Fentanyl	Oxycodone
Barbiturates	Hydrocodone	Phencyclidine
Benzodiazepines	LSD	Propoxyphene
Buprenorphine	MDMA	Tramadol
Cannabinoids	Meperidine	Tricyclic Antidepressants
Carisoprodol	Methadone	Zolpidem

✓ Only qualitative testing is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Apr. 17, Oct. 9

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

# HEMATOLOGY

HEMATOLOGY	1st Event	2nd Event	3rd Event
Ship Dates	March 6	July 10	November 6
Replacement Deadline	March 14	July 18	November 14
PT Results Due Date	March 29	August 2	November 29
Verification Due Date	April 5	August 9	December 6
Evaluations Available Online	April 18	August 22	December 19





# INSTRUMENT LIST

BODY FLUID CELL COUNT METHODS	
Instrument/Method	Program
Abbott Cell-Dyn (all models)	206 - Body Fluid Cell Count - C
Coulter (all models)	206 - Body Fluid Cell Count - C
Iris iQ® 200	207 - Body Fluid Cell Count - I
Siemens Advia 120/2120	206 - Body Fluid Cell Count - C
Sysmex (all models)	206 - Body Fluid Cell Count - C
Manual Count	277 - Cell Count & Body Fluid Crystals

HEMATOLOGY ANALYZERS & PROGRAMS	
Instrument/Method	Program
Abbott Cell-Dyn (1600 - 1800)	221 - Hematology - 3
Abbott Cell-Dyn (3200, 3500, 3700)	242 - Hematology - 5D
Abbott Cell-Dyn Emerald	221 - Hematology - 3
Abbott Cell-Dyn Emerald 22, AL	242 - Hematology - 5D
Abbott Cell-Dyn Ruby, Sapphire	242 - Hematology - 5D
CDS Medonic CA	221 - Hematology - 3
CDS Medonic M-Series	227 - Hematology - 3S
Coulter AcT-5	231 - Hematology - 5A
Coulter Ac-T (all 3-part differential models)	221 - Hematology - 3
CoulCoulter HmX	230 - Hematology - 5C
Coulter LH500	230 - Hematology - 5C
Coulter LH 750, 755, 780, 785	230 - Hematology - 5C
Coulter Micro Diff (all models)	221 - Hematology - 3
Coulter UniCel DxH 300	221 - Hematology - 3
Coulter UniCel DxH 500, 520, 560	279 - Hematology - 5H
Coulter UniCel DxH 600, 690T, 800, 900	230 - Hematology - 5C
Diatron Abacus 3CP	221 - Hematology - 3
Diatron Abacus 5	242 - Hematology - 5D
Drew (Danam) Excell 16	221 - Hematology - 3
Drew D3, Evolution	221 - Hematology - 3
HemoCue - for WBC only (all models)	209 - HemoCue White Blood Cell Count
Horiba ABX Micros (all models)	221 - Hematology - 3
Horiba ABX Pentra (all models)	231 - Hematology - 5A
Mindray BC-3200, 3600	221 - Hematology - 3
Pixcell HemoScreen	292 - Hematology - 5P
Siemens Advia 120, 2120	240 - Hematology - 5B
Siemens Advia 60	221 - Hematology - 3
Siemens Advia 560	242 - Hematology - 5D
Sight OLO	290 - Hematology - 5O
Sysmex KX Series, poch-100i, and XP-300	227 - Hematology - 3S
Sysmex XE, XN, XN-L, XS, XT (all models)	238 - Hematology - 5S

SEDIMENTATION RATE METHODS & PROGRAMS	
Instrument/Method	Program
Alcor i-Sed	203 - Sedimentation Rate - D
Alifax ESR	280 - Sedimentation Rate - E
Chase Westergren 830 SO	228 - Sedimentation Rate - A
Diesse Mini-Cube, Cube 30	228 - Sedimentation Rate - A
Dispette, Dispette 2	228 - Sedimentation Rate - A
Globe Scientific (all methods)	228 - Sedimentation Rate - A
HemaTech ESR STAT PLUS, STAT 6	202 - Sedimentation Rate - C
MiniVes	228 - Sedimentation Rate - A
Polymedco Sedimat 15, 15 Plus	201 - Sedimentation Rate - B
Polymedco Sedimat/Sediplast	228 - Sedimentation Rate - A
Sedifast, Sediplast, Sediten, Seditube	228 - Sedimentation Rate - A
Streck/Analys ESR, Auto ESR Plus (all methods)	228 - Sedimentation Rate - A
Ves Matic (all models)	228 - Sedimentation Rate - A
Vital Diagnostic Excyte (all models)	228 - Sedimentation Rate - A
Winpette	228 - Sedimentation Rate - A

## 3-PART DIFFERENTIAL PROGRAMS

### Hematology - 3

#### Program Description

2 mL simulated whole blood - For automated techniques, including 2 and 3-part differentials or manual techniques for hematocrit, WBC (ammonium oxalate only), and platelet count.

#### Program Information

221 Hematology - 3 ✓  
B21 Hematology - 3 - Verification Program

#### Analytes

<b>Automated Differential</b>	MCHC	<b>RBC</b>
<b>Hematocrit</b>	MCV	RDW
<b>Hemoglobin</b>	MPV	<b>WBC</b>
MCH	<b>Platelet Count</b>	

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

### Hematology - 3S

#### Program Description

2 mL simulated whole blood - For the CDS Medonic M-Series, Sysmex KX Series, pocH-100i, and XP-300.

#### Program Information

227 Hematology - 3 ✓  
B27 Hematology - 3S - Verification Program

#### Analytes

<b>Automated Differential</b>	MCHC	<b>RBC</b>
<b>Hematocrit</b>	MCV	RDW-CV
<b>Hemoglobin</b>	MPV	RDW-SD
MCH	<b>Platelet Count</b>	<b>WBC</b>

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

# 5-PART DIFFERENTIAL PROGRAMS

## Hematology - 5A

**Program Description**  
2.5 mL simulated whole blood - For the Horiba Medical Pentra 60, 60+, 80, 120 and the Coulter AcT 5-Diff.

**Program Information**  
231 Hematology - 5A ✓  
B31 Hematology - 5A - Verification Program

**Analytes**

<b>Automated Differential</b>	MCHC	<b>RBC</b>
<b>Hematocrit</b>	MCV	RDW
<b>Hemoglobin</b>	MPV	<b>WBC</b>
MCH	<b>Platelet Count</b>	

✓ Program is included in our A2LA scope of accreditation.

<b>Format</b>	<b>Shipping Dates</b>
5 samples x 3 shipments	Mar. 6, Jul. 10, Nov. 6



## Hematology - 5B

**Program Description**  
4 mL simulated whole blood - For the Siemens Advia 120, 2120, and 2120i.

**Program Information**  
240 Hematology - 5B ✓  
B40 Hematology - 5B - Verification Program

**Analytes**

<b>Automated Differential</b>	MCHC	<b>RBC</b>
<b>Hematocrit</b>	MCV	RDW
<b>Hemoglobin</b>	MPV	<b>WBC</b>
MCH	<b>Platelet Count</b>	

✓ Program is included in our A2LA scope of accreditation.

<b>Format</b>	<b>Shipping Dates</b>
5 samples x 3 shipments	Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Hematology - 5C

### Program Description

2 mL simulated whole blood - For the Coulter UniCel DxH600, DxH800, DxH900, and LH750, LH755, LH780, LH785.

### Program Information

230 Hematology - 5C ✓  
B30 Hematology - 5C - Verification Program

### Analytes

#### Automated Differential

#### Hematocrit

#### Hemoglobin

IRF

MCH

MCHC

MCV

MPV

nRBC

**Platelet Count**

**RBC**

RDW-CV

RDW-SD

Reticulocyte Count

**WBC**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hematology - 5D

### Program Description

3 mL simulated whole blood - For the Abbott Cell-Dyn 3000-3700, 4000, Ruby, Sapphire, and the Diatron Abacus 5.

### Program Information

242 Hematology - 5D ✓  
B42 Hematology - 5D - Verification Program

### Analytes

#### Automated Differential

#### Hematocrit

#### Hemoglobin

IRF

MCH

MCHC

MCV

MPV

nRBC

**Platelet Count**

**RBC**

RDW

Reticulocyte Count

**WBC**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hematology - 5H

### Program Description

2.5 mL simulated whole blood - For the Coulter DxH500 and DxH520.

### Program Information

279 Hematology - 5H ✓  
B79 Hematology - 5H - Verification Program

### Analytes

**Automated Differential**

**Hematocrit**

**Hemoglobin**

MCH

MCHC

MCV

MPV

**Platelet Count**

**RBC**

RDW-CV

RDW-SD

**WBC**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hematology - 5O

### Program Description

3 mL simulated whole blood - For the Sight OLO instrument.

### Program Information

290 Hematology - 5O

### Analytes

**Automated Differential**

**Hematocrit**

**Hemoglobin**

MCH

MCHC

MCV

**Platelet Count**

**RBC**

RDW

**WBC**

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Hematology - 5P

NEW

### Program Description

3 mL simulated whole blood - For the PixCell HemoScreen instrument.

### Program Information

292 Hematology - 5P

### Analytes

**Automated Differential**

**Hematocrit**

**Hemoglobin**

MCH

MCHC

MCV

MPV

**Platelet Count**

**RBC**

RDW

**WBC**

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hematology - 5S

### Program Description

2 mL simulated whole blood - For all Sysmex XE, XN, XS, and XT analyzers.

### Program Information

238 Hematology - 5S ✓

B38 Hematology - 5S - Verification Program

### Analytes

**Automated Differential**

**Hematocrit**

**Hemoglobin**

IG# and IG%

IPF

IRF

MCH

MCHC

MCV

MPV

nRBC#

nRBC%

**Platelet Count**

**RBC**

RDW-CV

RDW-SD

RET-He

Reticulocyte Count

**WBC**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## BLOOD CELL IDENTIFICATION

### For laboratories that perform both Blood Cell Identification and Automated Differentials:

CMS allows for the transmission of only one of these scores each test event. Results for both tests are graded and will appear on your evaluation, but only one score can be sent to CMS. If you would like your score for Blood Cell ID to be sent to CMS, enroll in #224 or #286. If you would like your score for auto differential to be sent to CMS, enroll in #225 or #291.

## Blood Cell Identification

### Program Description

Two Wright stained peripheral blood smears for blood cell identification. One case study will include 5 annotated cells/objects for identification and will be scored. The second case study is educational and will include 5 cells/objects for identification with a manual 100 WBC differential and platelet estimate. #224 and #225 are virtual programs and do not include printed photographs. To receive printed photographs, order #286 or #291. Please Note: Laboratories ordering only virtual programs must access paperwork and images online. For competency, see Q24 - Blood Cell Identification - Competency on page 129.

### Program Information

- 224 Blood Cell ID (CMS Scored) (Virtual only) ✓
- 286 Blood Cell ID (CMS Scored) (#224 + Photos) ✓
- 225 Blood Cell ID (Not CMS Scored) (Virtual only) ✓
- 291 Blood Cell ID (Not CMS Scored) (#225 + Photos) ✓

### Analytes

**Blood Cell Identification**

Educational Blood Cell ID

Manual Differential

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

#### Format

10 photographs x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Advanced Blood Cell ID (Virtual only)

### Program Description

One virtual Wright stained peripheral blood smear for blood cell identification. The case study will include seven cells/objects chosen for ID and an educational commentary. This option is designed to offer case studies that are more challenging and complex. Not CMS scored or reported to CAP. Please Note: Laboratories ordering only virtual programs must access paperwork and images online.

### Program Information

- 259 Advanced Blood Cell ID (Virtual only) ✓

### Analytes

Blood Cell Identification

✓ Program is included in our A2LA scope of accreditation.

#### Format

7 photographs x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## MISCELLANEOUS HEMATOLOGY

### Advanced Body Fluid Microscopy (Virtual only)

#### Program Description

One whole slide virtual image of body fluid from various sources. The case study will include five formed elements, cells, or crystals for identification with a manual WBC differential. Please Note: Laboratories ordering only virtual programs must access paperwork and images online.

#### Program Information

262      Advanced Body Fluid Microscopy (Virtual only)

#### Analytes

Identification of formed elements

Manual Differential

#### Format

5 photographs x 2 shipments

#### Shipping Dates

Mar. 6, Nov. 6

### Body Fluid Cell Count - C

#### Program Description

3 mL liquid - For Abbott, Coulter, Sysmex and Advia analyzers. For manual cell counts see #277 - Cell Count & Body Fluid Crystals on page 46.

#### Program Information

206      Body Fluid Cell Count - C ✓

#### Analytes

Mononuclear cells

RBC

WBC

Polymorphonuclear cells

Total Nucleated Cells (TC-BF)

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

#### Format

1 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6



## Program Description

## Program Information

## Analytes

RBC

## Format

## Shipping Dates

# HEMATOLOGY

## Program Description

## Program Information

181 Body Fluid Microscopy (#168 + Photos) ✓

## Analytes

## Format

## Shipping Dates

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Cell Count & Body Fluid Crystals

### Program Description

Manual Cell Count - 2 samples; Body Fluid Crystals - 2 samples. For CSF and Body Fluid Chemistry, see #177 - CSF & Body Fluid Chemistry on page 32.

### Program Information

277 Cell Count & Body Fluid Crystals ✓

### Analytes

Crystals  
RBC

WBC

WBC Differential

✓ Program is included in our A2LA scope of accreditation.

### Format

4 samples x 2 shipments

### Shipping Dates

Mar. 6, Nov. 6

## Fetal Hemoglobin

### Program Description

1.2 mL simulated gastric fluid - For qualitative fetal hemoglobin. For Whole Blood Fetal Screen see #515 -Fetal RBC on page 127.

### Program Information

210 Fetal Hemoglobin ✓

### Analytes

Fetal Hemoglobin (gastric fluid)

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 2 shipments

### Shipping Dates

Mar. 6, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Flow Cytometry

### Program Description

2.5 mL simulated whole blood - For lymphocyte phenotyping.

### Program Information

229 Flow Cytometry ✓

### Analytes

- ▶ CD3 (T Cells)
  - ▶ CD4 (T Helper)
  - ▶ CD8 (T Cytotoxic)
  - ▶ CD19 (B Cells)
  - ▶ CD45 (Leukocytes)
  - ▶ CD56 / CD16+56 (NK Cells)
- ✓ Analyte is not CAP accepted. ✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## HemoCue White Blood Cell Count

### Program Description

2 mL simulated whole blood - For HemoCue WBC System.

### Program Information

209 HemoCue White Blood Cell Count ✓

### Analytes

#### WBC

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Reticulocyte Count

### Program Description

1 mL simulated whole blood - For manual (new methylene blue stain only) and automated reticulocyte techniques.

### Program Information

223 Reticulocyte Count ✓

### Analytes

Reticulocyte Count

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Sedimentation Rate - A

### Program Description

5 mL simulated whole blood - For manual methods and most automated methods.

### Program Information

228 Sedimentation Rate - A ✓

### Analytes

Sedimentation Rate

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Sedimentation Rate - B

### Program Description

6 mL simulated whole blood - For Polymedco Sedimat 15, 15 Plus.

### Program Information

201 Sedimentation Rate - B ✓

### Analytes

Sedimentation Rate

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Sedimentation Rate - C

### Program Description

6 mL simulated whole blood - For HemaTechnologies ESR STAT Plus and ESR STAT 6.

### Program Information

202 Sedimentation Rate - C ✓

### Analytes

Sedimentation Rate

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Sedimentation Rate - D

### Program Description

4.5 mL simulated whole blood - For the Alcor i-SED and Alcor miniSED.

### Program Information

203 Sedimentation Rate - D ✓

### Analytes

Sedimentation Rate

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Sedimentation Rate - E

### Program Description

3 mL simulated whole blood - For Alifax ESR analyzers.

### Program Information

280 Sedimentation Rate - E

### Analytes

Sedimentation Rate

#### Format

3 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Sickle Cell Screen

### Program Description

2.5 mL simulated whole blood - For screening kits and electrophoresis screening methods.

### Program Information

237 Sickle Cell Screen ✓

### Analytes

Sickle Cell Screen

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

# ANDROLOGY

ANDROLOGY	1st Event	3rd Event
Ship Dates	March 6	November 6
Replacement Deadline	March 14	November 14
PT Results Due Date	March 29	November 29
Verification Due Date	April 5	December 6
Evaluations Available Online	April 18	December 19



ANDROLOGY

**Antisperm Antibody**

**Program Description**  
0.5 mL serum - Human serum for antisperm antibody.

**Program Information**  
154    Antisperm Antibody ✓

**Analytes**  
► Antisperm Antibody  
► Analyte is not CAP accepted.                      ✓ Program is included in our A2LA scope of accreditation.

<b>Format</b> 2 samples x 2 shipments	<b>Shipping Dates</b> Mar. 6, Nov. 6
--	---

**Automated Post-Vasectomy Sperm Analysis**

**Program Description**  
1.0 mL stabilized sperm - Designed for automated sperm analyzers.

**Program Information**  
185    Automated Post-Vasectomy Sperm Analysis

**Analytes**  
Sperm Count                                      Sperm, presence/absence

<b>Format</b> 2 samples x 2 shipments	<b>Shipping Dates</b> Mar. 6, Nov. 6
--	---

**Automated Sperm Count**

**Program Description**  
1.0 mL stabilized sperm - Designed for automated sperm analyzers.

**Program Information**  
184    Automated Sperm Count

**Analytes**  
► Sperm Count  
► Analyte is not CAP accepted.

<b>Format</b> 2 samples x 2 shipments	<b>Shipping Dates</b> Mar. 6, Nov. 6
--	---



## Post-Vasectomy Sperm Analysis

### Program Description

0.3 mL stabilized sperm - Designed for manual methods.

### Program Information

162 Post-Vasectomy Sperm Analysis ✓

### Analytes

Sperm Count Sperm, presence/absence

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 6, Nov. 6

## Sperm Count

### Program Description

0.3 mL stabilized sperm - Designed for manual methods.

### Program Information

151 Sperm Count ✓

### Analytes

Sperm Count

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 6, Nov. 6

## Sperm Morphology

### Program Description

1 unstained semen smear and 1 virtual image (online only) for specific sperm morphology.

### Program Information

152 Sperm Morphology ✓

### Analytes

Sperm Morphology

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 6, Nov. 6



## Sperm Motility (Virtual only)

### Program Description

Web based video footage for sperm motility and progressive motility. Please Note: Laboratories ordering only virtual programs must access paperwork and images online.

### Program Information

161 Sperm Motility (Virtual only) ✓

### Analytes

Sperm Motility

Sperm Progressive Motility

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 6, Nov. 6

## Sperm Viability

### Program Description

Glass slides - Eosin-Nigrosin stained smears.

### Program Information

153 Sperm Viability ✓

### Analytes

Sperm Viability

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 6, Nov. 6

# COAGULATION

COAGULATION	1st Event	2nd Event	3rd Event
Ship Dates	March 6	July 10	November 6
Replacement Deadline	March 14	July 18	November 14
PT Results Due Date	March 29	August 2	November 29
Verification Due Date	April 5	August 9	December 6
Evaluations Available Online	April 18	August 22	December 19



COAGULATION

Activated Clotting Time (Hemochron/Helena)

**Program Description**  
3 mL lyophilized samples - For the Hemochron Response, 801, Helena Laboratories Actalyke, and Cascade POC.

**Program Information**  
211      Activated Clotting Time - 5 samples  
916      Activated Clotting Time - 2 samples  
J16      Activated Clotting Time - Verification Program - 2 samples

**Analytes**  
Activated Clotting Time

<b>Format</b> 3 shipments	<b>Shipping Dates</b> Mar. 6, Jul. 10, Nov. 6
------------------------------	--

Activated Clotting Time (Medtronic)

**Program Description**  
3 mL lyophilized samples - For the Medtronic ACT and HMS Plus.

**Program Information**  
212      Activated Clotting Time - 5 samples  
917      Activated Clotting Time - 2 samples  
J17      Activated Clotting Time - Verification Program - 2 samples

**Analytes**  
Activated Clotting Time

<b>Format</b> 3 shipments	<b>Shipping Dates</b> Mar. 6, Jul. 10, Nov. 6
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All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Coagulation

### Program Description

1 mL lyophilized plasma - For plasma-based coagulation analyzers.

### Program Information

217 Coagulation ✓  
B17 Coagulation - Verification Program

### Analytes

<b>APTT</b>	<b>INR</b>	<b>Prothrombin Time</b>
<b>Fibrinogen</b>		

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Coagulation, Supplemental

### Program Description

1 mL lyophilized plasma

### Program Information

281 Coagulation, Supplemental  
282 Additional Sample Volume  
283 Coagulation, Supplemental - add on to #217

### Analytes

<b>Antithrombin III Activity</b>	<b>Factor IX Activity</b>	<b>Protein C</b>
<b>Factor II Activity</b>	<b>Factor X Activity</b>	<b>Protein S</b>
<b>Factor V Activity</b>	<b>Factor XI Activity</b>	<b>Thrombin Time</b>
<b>Factor VII Activity</b>	<b>Factor XII Activity</b>	<b>von Willebrand Factor Activity</b>
<b>Factor VIII Activity</b>	<b>Plasminogen</b>	<b>von Willebrand Factor Antigen</b>

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## D-dimer/FDP - Qualitative

### Program Description

0.5 mL liquid - For qualitative D-dimer and FDP methods.

### Program Information

245 D-dimer/FDP - Qualitative ✓

### Analytes

D-dimer Fibrin degradation products

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## D-dimer - Quantitative

### Program Description

0.5 mL plasma - For quantitative D-dimer methods.

### Program Information

246 D-dimer - Quantitative ✓  
B46 D-dimer - Quantitative - Verification Program

### Analytes

D-dimer

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hemochron Jr. ACT +

### Program Description

0.7 mL lyophilized samples - For the Hemochron Jr., Signature, Signature +, Signature Elite, and IL Gem PCL. For use with ACT + Cuvette.

### Program Information

248 Hemochron Jr. ACT +  
B48 Hemochron Jr. ACT + - Verification Program

### Analytes

Activated Clotting Time

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hemochron Jr. ACT - LR

### Program Description

0.7 mL lyophilized samples - For the Hemochron Jr., Signature, Signature +, Signature Elite, and IL Gem PCL. For use with ACT-LR cuvette.

### Program Information

247 Hemochron Jr. ACT - LR  
B47 Hemochron Jr. ACT - LR - Verification Program

### Analytes

Activated Clotting Time

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hemochron Jr. Citrate APTT

### Program Description

0.7 mL lyophilized samples - For the Hemochron Jr. II, Signature, Signature +, Signature Elite. For use with Citrate cuvette.

### Program Information

252 Hemochron Jr. Citrate APTT

### Analytes

#### APTT

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Hemochron Jr. Citrate PT

### Program Description

0.7 mL lyophilized samples - For the Hemochron Jr. Signature, Signature +, Signature Elite, IL Gem PCL, and Gem PCL Plus. For use with Citrate cuvette.

### Program Information

249 Hemochron Jr. Citrate PT

### Analytes

INR

**Prothrombin Time**

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Hemochron Jr. PT

### Program Description

0.7 mL lyophilized samples - For the Hemochron Jr. Signature, Signature +, Signature Elite, IL Gem PCL, and Gem PCL Plus. For use with whole blood cuvette.

### Program Information

250 Hemochron Jr. PT

### Analytes

INR

Prothrombin Time

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Heparin Assay

### Program Description

1.0 mL lyophilized plasma - For testing Low Molecular Weight Heparin (LMWH) and Unfractionated Heparin (UFH) levels. Not CMS scored or reported to CAP.

### Program Information

278 Heparin Assay ✓

### Analytes

Anti-Xa

INR

Thrombin Time

APTT

Prothrombin Time

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## i-STAT ACT

### Program Description

1 mL lyophilized samples - For the i-STAT analyzer.

### Program Information

215 i-STAT ACT ✓

B15 i-STAT ACT - Verification Program

### Analytes

Activated Clotting Time

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Platelet Function - Aspirin Test

### Program Description

Pellet - For aspirin-induced inhibition. Designed for use with the Accumetrics VerifyNow System.

### Program Information

255 Platelet Function - Aspirin Test ✓

### Analytes

Aspirin induced inhibition

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Platelet Function - PRU Test

### Program Description

Pellet - For P2Y12 inhibition (Plavix® and Effient®). Designed for use with Accumetrics VerifyNow System.

### Program Information

256 Platelet Function - PRU Test ✓

### Analytes

P2Y12 inhibition

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## POC Coagulation A

### Program Description

Lyophilized plasma - Point of Care coagulation for CoaguChek XS (INR only), XS Plus, and XS Pro. #914 is not CMS scored or reported to CAP.

### Program Information

214 POC Coagulation A - 5 samples ✓  
914 POC Coagulation A - 2 samples ✓  
B14 POC Coagulation A - Verification Program - 5 samples  
J14 POC Coagulation A - Verification Program - 2 samples

### Analytes

INR

Prothrombin Time

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6



## POC Coagulation B

### Program Description

1 mL lyophilized samples - Point of Care coagulation for i-STAT PCA, i-STAT I, and Coag-Sense (CoaguSense).

### Program Information

216 POC Coagulation B ✓  
B16 POC Coagulation B - Verification Program

### Analytes

INR **Prothrombin Time**

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Thromboelastogram

### Program Description

1 mL lyophilized samples - For the Haemonetics TEG 5000, TEG 6s, and TEM International ROTEM® analyzers.

### Program Information

244 Thromboelastogram ✓

### Analytes

Thromboelastometry

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

# URINALYSIS, MICROSCOPY, & MISCELLANEOUS TESTS

URINALYSIS, MICROSCOPY - MISC	1st Event	2nd Event	3rd Event
Ship Dates	March 6	July 10	November 6
Replacement Deadline	March 14	July 18	November 14
PT Results Due Date	March 29	August 2	November 29
Verification Due Date	April 5	August 9	December 6
Evaluations Available Online	April 18	August 22	December 19



# URINALYSIS, MICROSCOPY, & MISCELLANEOUS TESTS

## Automated Urine Microscopy - I

### Program Description

12 mL simulated urine - Designed for IRIS instruments.

### Program Information

270 Automated Urine Microscopy - I ✓

### Analytes

Crystals	RBC	WBC
Non-Squamous Epithelial Cells		

✓ Program is included in our A2LA scope of accreditation.

### Format

1 sample x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Automated Urine Microscopy - S

### Program Description

12 mL simulated urine - Designed for Sysmex and the Arkray Aution AU-4050.

### Program Information

271 Automated Urine Microscopy - S ✓

### Analytes

Bacteria	Crystals	RBC
Casts	Epithelial Cells	WBC

✓ Program is included in our A2LA scope of accreditation.

### Format

1 sample x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Fecal Lactoferrin

### Program Description

0.5 mL simulated stool samples - For qualitative detection of fecal lactoferrin.

### Program Information

261 Fecal Lactoferrin ✓

### Analytes

Fecal Lactoferrin

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Fecal Occult Blood

### Program Description

1.5 mL simulated stool samples - For guaiac or immunoassay methods. For competency, see Q22 - Fecal Occult Blood - Competency on page 130.

### Program Information

284 Fecal Occult Blood ✓

285 Fecal Occult Blood - add on option to #232 or 272 ✓

B84 Fecal Occult Blood - Verification Program

### Analytes

Fecal Occult Blood

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Gastric Occult Blood

### Program Description

2 mL simulated gastric samples - For gastric occult blood and pH.

### Program Information

239 Gastric Occult Blood ✓

B39 Gastric Occult Blood - Verification Program

### Analytes

Gastric Occult Blood

pH

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Microscopy Package

### Program Description

Images for microscopy. For KOH preparations of skin, hair, or nails, see #333 - KOH Preparation on page 91. This program includes two challenges for urine sediment and one challenge for all other analytes. #233 and #B33 are virtual programs and do not include printed photographs. To receive printed photographs, order #287 or #B87. Please Note: Laboratories ordering only virtual programs must access paperwork and images online. For Microscopy competency programs, see pages 128-135.

### Program Information

- 233 Microscopy Package (Virtual only) ✓
- 287 Microscopy Package (#233 + Photos) ✓
- B33 Microscopy Package (Virtual only) - Verification Program
- B87 Microscopy Package (#B33 + Photos) - Verification Program

### Analytes

Fecal WBC	Pinworm Preparation	Vaginal Wet Prep
Fern Test	Sperm, pos/neg (► post-vas)	Vaginal Wet Prep (KOH)
Nasal Smear	Urine Sediment	
► Analyte is not CAP accepted.	✓ Program is included in our A2LA scope of accreditation.	

#### Format

3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Rapid Urease

### Program Description

Simulated gastric biopsy samples - For use with CLOtest, PyloriTek, or similar methods.

### Program Information

- 260 Rapid Urease ✓

### Analytes

Urease

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 samples x 2 shipments

#### Shipping Dates

Feb. 6, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Trichomonas (Virtual only)

### Program Description

Web based video footage for the presence of *Trichomonas vaginalis*. Please Note: Laboratories ordering only virtual programs must access paperwork and images online.

### Program Information

263 Trichomonas (Virtual only)

### Analytes

*Trichomonas vaginalis*

#### Format

1 sample x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Urinalysis & HCG

### Program Description

10 mL urine - For dipstick analysis. HCG is intended for waived methods. For Iris dipsticks, see #272 - Urinalysis & HCG - I on page 67. For automated urine microscopy see #270 and #271 on page 63. For Fecal Occult Blood testing see #285 - Fecal Occult Blood - add on, on page 64. For competency, see Q21 Urinalysis & HCG - Competency on page 134.

### Program Information

232 Urinalysis & HCG ✓

B32 Urinalysis & HCG - Verification Program

### Analytes

Bilirubin

Bilirubin, confirmatory

Blood/Hemoglobin

Creatinine

Glucose

HCG

Ketones

Leukocyte Esterase

Nitrite

pH

Protein

Protein, confirmatory

Reducing Substance

Specific Gravity

Urobilinogen

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Urinalysis & HCG - I

### Program Description

10 mL urine - For Iris iChem, iVelocity, and vChem dipstick analysis. HCG is intended for waived methods. For automated urine microscopy see #270 and #271 on page 63. For Fecal Occult Blood testing see #285 - Fecal Occult Blood - add on, on page 64.

### Program Information

272 Urinalysis & HCG - I ✓

### Analytes

Bilirubin	Ketones	Protein, confirmatory
Bilirubin, confirmatory	Leukocyte Esterase	Reducing Substance
Blood/Hemoglobin	Nitrite	Specific Gravity
Glucose	pH	Urobilinogen
HCG	Protein	

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Urine Crystals

### Program Description

1.5 mL urine - For identification of urine crystals.

### Program Information

273 Urine Crystals ✓

### Analytes

Urine Crystal Identification

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 2 shipments

### Shipping Dates

Mar. 6, Nov. 6

## Urine Eosinophils

### Program Description

One image for the presence or absence of urine eosinophils. #258 is a virtual program and does not include a printed photograph. To receive a printed photograph, order #289. Please Note: Laboratories ordering *only* virtual programs must access paperwork and images online.

### Program Information

258      Urine Eosinophils (Virtual only) ✓  
289      Urine Eosinophils (#258 + Photo) ✓

### Analytes

Urine Eosinophils

✓ Program is included in our A2LA scope of accreditation.

#### Format

1 photograph x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Urine HCG - Qualitative

### Program Description

1 mL simulated urine - For non-waived methods such as latex agglutination or FIA. Also may be ordered by laboratories that wish to test 5 samples for waived methods.

### Program Information

235      Urine HCG - Qualitative ✓  
B35      Urine HCG - Qualitative - Verification Program

### Analytes

**HCG**

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## Urine Sediment

### Program Description

Two images for identification of formed elements in urine sediment. #234 is a virtual program and does not include printed photographs. To receive printed photographs, order #288. Please Note: Laboratories ordering *only* virtual programs must access paperwork and images online. For competency, see Q26 - Urine Sediment - Competency on page 135.

### Program Information

- 234 Urine Sediment (Virtual only) ✓  
288 Urine Sediment (#234 + Photos) ✓

### Analytes

Identification of formed elements

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 photograph x 3 shipments

#### Shipping Dates

Mar. 6, Jul. 10, Nov. 6

## Waived & Microscopy Package

### Program Description

For waived methods and commonly performed microscopy procedures. HemoCue users see #128/928 on page 23. True Metrix and True Metrix Pro users see #979 - POC Glucose B on page 28. For KOH preparations of skin, hair, or nails, see #333 on page 91. The numbers shown to the right indicate the number of challenges per test event.

### Program Information

- 251 Waived & Microscopy Package ✓  
X51 Extra Results WBG - Waived Package - Verification Program - report results for up to 20 additional glucose meters  
B51 Waived & Microscopy Package - Verification Program - for all analytes listed below

### Analytes

Fecal Occult Blood (1)	Hemoglobin (2)	Vaginal Wet Prep-KOH (1)
Group A Strep Antigen (2)	Urinalysis (1)	Whole Blood Glucose (2)
HCG (1)	Urine Sediment (2)	
Hematocrit (2)	Vaginal Wet Prep (1)	

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

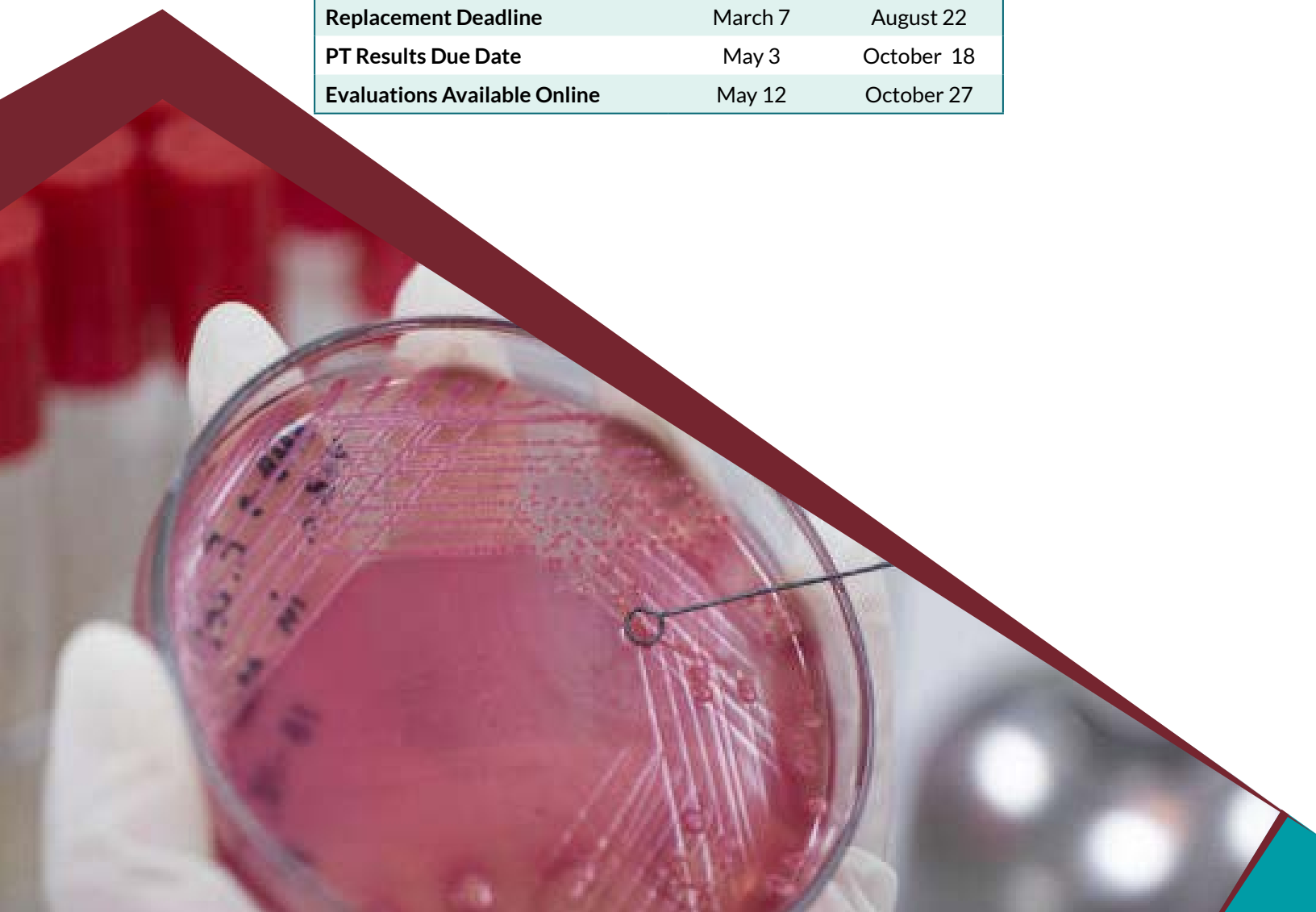
Mar. 6, Jul. 10, Nov. 6

# MICROBIOLOGY

MICROBIOLOGY	1st Event	2nd Event	3rd Event
Ship Dates	February 6	June 5	September 18
Replacement Deadline	February 14	June 13	September 26
PT Results Due Date	March 1	June 28	October 11
Verification Due Date	March 8	July 5	October 18
Evaluations Available Online	March 21	July 18	October 31

MYCOLOGY	1st Event	2nd Event	3rd Event
Ship Dates	January 9	May 15	August 21
Replacement Deadline	January 17	May 23	August 29
PT Results Due Date	March 1	June 28	October 11
Evaluations Available Online	March 21	July 18	October 31

MYCOBACTERIOLOGY	1st Event	2nd Event
Ship Dates	February 27	August 14
Replacement Deadline	March 7	August 22
PT Results Due Date	May 3	October 18
Evaluations Available Online	May 12	October 27



The background of the slide features a collage of microbiological images. On the left, there are two circular petri dishes. The top dish contains a pink agar medium with numerous small, dark, circular colonies. The bottom dish shows a similar pink medium with more elongated, streaked colonies. To the right of these dishes, there are several blue, circular structures that appear to be microscopic organisms or spores. A large, dark red diagonal band runs from the top right towards the bottom left, separating the image area from the text area. The text area has a teal background.

## Microbiology Enrollment Requirements

CLIA requires laboratories performing microbiology tests that are regulated for proficiency testing to test five regulated challenges per test event in each sub-specialty where regulated testing is performed. The five sub-specialties are Bacteriology, Mycobacteriology, Mycology, Parasitology, and Virology. All non-waived tests in a sub-specialty can be combined to meet the five-challenge requirement. For molecular testing of direct specimens, CMS considers only bacteriology, virology, and yeast in blood cultures to be regulated tests. Regulated tests are indicated in bold type.

Challenges tested with waived methods (e.g., Rapid Group A Strep) cannot be included in the five regulated challenges. Furthermore, if one of your methods becomes waived or you change to a waived method mid-year, you are responsible for ensuring you maintain five challenges per test event for the remaining non-waived tests in that sub-specialty.

Programs listed that have fewer than five samples are to be used as add-on options to other programs in the same sub-specialty.

Susceptibility testing counts as one challenge regardless of the number of drugs reported.

Urine colony count is not a regulated test and cannot be included as one of the five challenges.

For assistance, please contact Technical Support at 800-333-0958 or [TechSupport@api-pt.com](mailto:TechSupport@api-pt.com).

# BACTERIOLOGY

## Affirm VP

### Program Description

Swab - For the BD Affirm VP III. For other rapid molecular methods see #362 - Trichomonas on page 93.

### Program Information

324 Affirm VP ✓

### Analytes

*Candida sp.*

***Gardnerella vaginalis***

*Trichomonas vaginalis*

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Basic Bacteriology Package

### Program Description

For laboratories performing non-waived Group A Strep Antigen testing, Throat Cultures, and Urine Cultures. The numbers shown to the right of each analyte indicate the number of challenges per test event.

### Program Information

321 Basic Bacteriology Package ✓

### Analytes

**Group A Strep Antigen (2)**

**Susceptibility Testing, Urine (1)**

**Throat Culture (2)**

Urine Colony Count (1)

**Urine Culture (1)**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Bacterial Vaginosis

### Program Description

1 mL liquid - For OSOM BVBlue.

### Program Information

359 Bacterial Vaginosis ✓

### Analytes

Bacterial Vaginosis Screen

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Blood Culture

### Program Description

Pellet + 12 mL rehydration fluid - For aerobic and anaerobic blood cultures with susceptibility testing as indicated. Use as an add on to other Bacteriology programs - 2 shipments per year.

### Program Information

361 Blood Culture ✓

### Analytes

Blood Culture

Susceptibility Testing

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Feb. 6, Sep. 18

## Blood Culture Staph aureus (molecular)

### Program Description

Pellet + 12 mL rehydration fluid - For molecular detection of *Staphylococcus aureus*. Use as add on to other Bacteriology programs.

### Program Information

355 Blood Culture Staph aureus (molecular)

### Analytes

Methicillin Resistant *Staphylococcus aureus*

*Staphylococcus aureus*

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Bordetella pertussis/parapertussis (molecular)

### Program Description

1 mL liquid - For molecular methods for *Bordetella pertussis* and *Bordetella parapertussis*. Use as an add on to other Bacteriology programs.

### Program Information

363      *Bordetella pertussis/parapertussis (molecular)* ✓

### Analytes

***Bordetella parapertussis***

***Bordetella pertussis***

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## C. difficile Toxin/Antigen

### Program Description

1 mL liquid - For *C. difficile* toxin / antigen test kits and molecular methods.

### Program Information

350      *C. difficile* Toxin/Antigen - 5 samples ✓

347      *C. difficile* Toxin/Antigen - Add on - 2 samples ✓

C47      *C. difficile* Toxin/Antigen - Verification Program - 2 samples

### Analytes

***C. difficile* Antigen**

***C. difficile* Toxin**

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Campylobacter

### Program Description

Inocu-Swab II - For detection of *Campylobacter* sp. using antigen or culture methods. Use as an add on to other Bacteriology programs.

### Program Information

360    *Campylobacter* ✓

### Analytes

***Campylobacter* sp.**

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Carbapenem-resistant Organisms

### Program Description

Swab - For detection of carbapenem resistant organisms (CRO) using molecular methods.

### Program Information

380    Carbapenem-resistant Organisms

### Analytes

IMP  
KPC

NDM  
OXA

VIM

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Chlamydia/GC (molecular)

### Program Description

1 mL liquid - For nucleic acid probe or amplification methods.

### Program Information

311 Chlamydia/GC (molecular) ✓

### Analytes

*Chlamydia trachomatis*

*Neisseria gonorrhoeae*

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Chlamydia Antigen

### Program Description

1 mL liquid - For *Chlamydia* antigen detection kits.

### Program Information

316 Chlamydia Antigen - 5 samples ✓

930 Chlamydia Antigen - Add on - 2 samples ✓

### Analytes

*Chlamydia* Antigen

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18



## Comprehensive Bacteriology

### Program Description

For laboratories performing a variety of bacteriology procedures. The numbers to the right of each analyte indicate the total number of challenges sent per year. For molecular methods for Group A Strep see #364/964 - Strep Pharyngeal (molecular) on page 85.

### Program Information

328 Comprehensive Bacteriology ✓

### Analytes

**Blood Culture** (w/educ. susceptibility) (1)

**Campylobacter Antigen** (2)

**CSF Culture** (w/educ. susceptibility) (1)

**Ear/Eye Culture** (1)

Educational Culture & Susc. (3)

**GC/Group B Strep Culture** (2)

**Gram Stain** (15)

**Group A Strep Antigen** (3)

**Sputum Culture** (2)

**Stool Culture** (2)

**Susceptibility Testing, Urine** (3)

**Throat Culture** (1)

**Urine Culture** (3)

Urine Colony Count (3)

**Wound Culture** (aerobic & anaerobic) (2)

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## CSF Bacterial Antigen (latex)

### Program Description

1 mL lyophilized samples - For rapid antigen detection of Group B Streptococcus; *Haemophilus influenzae* type b; *Streptococcus pneumoniae*; and *Neisseria meningitidis* group A, C, Y, W135, or N. *meningitidis* group B / E. coli K1 from latex agglutination kit tests. Use as an add on to other Bacteriology programs - 2 shipments per year.

### Program Information

318 CSF Bacterial Antigen (latex)

### Analytes

**Bacterial Antigen Detection (CSF)**

### Format

2 samples x 2 shipments

### Shipping Dates

Feb. 6, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Extended Bacteriology - Educational

### Program Description

Inocu-Swab II - Educational culture and susceptibility challenges for laboratories performing complete bacterial identification and susceptibility testing.

### Program Information

383      Extended Bacteriology - Educational

### Analytes

Bacterial Identification

Susceptibility Testing

#### Format

3 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Gram Stain

### Program Description

Fixed unstained glass slides for Gram stain and morphology.

### Program Information

320      Gram Stain ✓

330      Additional Gram Stain Slides

### Analytes

**Gram Stain**

Gram Stain Morphology

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Gram Stain - Direct Smears (Virtual only)

### Program Description

Virtual images of Gram stained direct smears from various sources such as blood, sputum, CSF, and wound. Not CMS scored or reported to CAP. Please Note: Laboratories ordering *only* virtual programs must access paperwork and images online. For competency, see Q35 Gram Stain - Competency on page 131

### Program Information

329 Gram Stain - Direct Smears (Virtual only) ✓

### Analytes

Gram Stain  
Leukocytes

Sputum Quality

Stain Quality

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Gram Stain - Vaginitis (Virtual only)

### Program Description

Virtual images of Gram stained vaginal smears for the detection of bacterial vaginosis. Not CMS scored or reported to CAP. Please Note: Laboratories ordering *only* virtual programs must access paperwork and images online.

### Program Information

319 Gram Stain - Vaginitis (Virtual only) ✓

### Analytes

Bacterial Vaginosis (Gram stain)

Nugent Score

✓ Program is included in our A2LA scope of accreditation.

### Format

3 samples x 2 shipments

### Shipping Dates

Feb. 6, Sep. 18

## Group A Strep Antigen

### Program Description

Swab - For rapid Group A Strep antigen detection kits. For molecular methods see #364/964 - Strep Pharyngeal (molecular) on page 85. For competency, see Q32 - Group A Strep Antigen - Competency on page 131.

### Program Information

- 312 Group A Strep Antigen - 5 samples ✓
- 913 Group A Strep Antigen - Add on option or waived methods - 3 samples ✓
- 912 Group A Strep Antigen - Add on option or waived methods - 2 samples ✓
- J12 Group A Strep Antigen - Verification Program - 2 samples

### Analytes

#### Group A Strep Antigen

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Group B Strep (molecular)

### Program Description

Swab - For molecular methods for Group B Strep.

### Program Information

- 365 Group B Strep (molecular) - 5 samples ✓
- 965 Group B Strep (molecular) - Add on - 2 samples ✓

### Analytes

#### Group B Strep

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## GC/Group B Strep Culture

### Program Description

Inocu-Swab II - Culture for *N. gonorrhoeae* and Group B Strep. For molecular methods see #365/965 - Group B Strep (molecular) on page 80.

### Program Information

315 GC/Group B Strep Culture - 5 samples ✓  
929 GC/Group B Strep Culture - Add on - 2 samples ✓

### Analytes

#### Group B Strep Culture

#### *N. gonorrhoeae* Culture

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## H. pylori Antigen, Stool

### Program Description

0.5 mL fecal suspension - For detection of *H. pylori* antigen. Use as an add on to other Bacteriology programs - 2 shipments per year.

### Program Information

351 H. pylori Antigen, Stool ✓

### Analytes

#### *Helicobacter pylori* Antigen

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Feb. 6, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Legionella Antigen

### Program Description

0.5 mL liquid - For *Legionella* antigen detection methods in urine. Use as an add on to other Bacteriology programs..

### Program Information

340 Legionella Antigen ✓

### Analytes

#### ***Legionella* Antigen**

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## MRSA Culture

### Program Description

Swab - For laboratories using culture methods for MRSA. Use as an add on to other Bacteriology programs. For molecular methods see #366 - MRSA/Staph aureus (molecular) on page 83.

### Program Information

356 MRSA Culture ✓

### Analytes

#### **Methicillin Resistant *Staphylococcus aureus***

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## MRSA / Staph aureus (molecular)

### Program Description

Swab - For molecular detection of MRSA and *Staphylococcus aureus*. Use as an add on to other Bacteriology programs.

### Program Information

366      MRSA/Staph aureus (molecular) ✓

### Analytes

**Methicillin Resistant *Staphylococcus aureus***

***Staphylococcus aureus***

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Mycoplasma genitalium (molecular)

### Program Description

1 mL liquid - For detection of *Mycoplasma genitalium* using molecular methods. Use as an add on to other Bacteriology programs.

### Program Information

384      Mycoplasma genitalium (molecular)

### Analytes

***Mycoplasma genitalium***

### Format

2 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Mycoplasma pneumoniae (molecular)

### Program Description

1 mL liquid - For detection of *Mycoplasma pneumoniae* using molecular methods. Use as an add on to other Bacteriology programs.

### Program Information

374 Mycoplasma pneumoniae (molecular) ✓

### Analytes

***Mycoplasma pneumoniae***

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## S. pneumoniae Antigen

### Program Description

0.5 mL liquid - For *S. pneumoniae* antigen detection methods in urine. Use as an add on to other Bacteriology programs.

### Program Information

341 S. pneumoniae Antigen ✓

### Analytes

***S. pneumoniae* Antigen**

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18



## Shiga Toxin

### Program Description

1 mL liquid - For detection of Shiga Toxins 1 and 2 using rapid kits.

### Program Information

343 Shiga Toxin ✓

### Analytes

Shiga Toxin 1

Shiga Toxin 1 and/or 2

Shiga Toxin 2

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 2 shipments

### Shipping Dates

Feb. 6, Sep. 18

## Strep Pharyngeal (molecular)

### Program Description

Swab - For detection of Group A and Group C/G Strep by molecular methods.

### Program Information

364 Strep Pharyngeal (molecular) - 5 samples ✓

964 Strep Pharyngeal (molecular) - Add on - 2 samples ✓

C64 Strep Pharyngeal (molecular) - Verification Program - 2 samples

### Analytes

**Group A Strep**

**Group C/G Strep**

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Throat Culture

### Program Description

Inocu-Swab II - For laboratories performing cultures for Group A Strep. For molecular methods see #364/964 - Strep Pharyngeal (molecular) on page 85.

### Program Information

- 313 Throat Culture - 5 samples ✓
- 953 Throat Culture - Add on - 3 samples ✓
- 952 Throat Culture - Add on - 2 samples ✓

### Analytes

#### Throat Culture

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Urine Culture

### Program Description

Quantitated pellet and dilution fluid - For culture (including screening tubes, paddles, and agar plates) for bacterial colony count and/or ID. Antimicrobial susceptibility testing can be performed on one sample per test event.

### Program Information

- 314 Urine Culture - 5 samples ✓
- 924 Urine Culture - Add on - 2 samples ✓

### Analytes

#### Susceptibility Testing

Urine Colony Count

#### Urine Culture

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## VRE Culture

### Program Description

Swab - For culture methods for VRE. Use as an add on to other Bacteriology programs. For molecular methods see #367 - VRE (molecular) on page 87.

### Program Information

357 VRE Culture ✓

### Analytes

**Vancomycin Resistant Enterococci**

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## VRE (molecular)

### Program Description

Swab - For molecular methods for VRE. Use as an add on to other Bacteriology programs.

### Program Information

367 VRE (molecular) ✓

### Analytes

**Vancomycin Resistant Enterococci**

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

# MYCOBACTERIOLOGY

## Acid Fast Smears

### Program Description

Fixed unstained glass slides - Shipped two times per year as allowed by CMS.

### Program Information

335      Acid Fast Smears ✓

### Analytes

#### Acid Fast Bacilli Smears

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 2 shipments

#### Shipping Dates

Feb. 27, Aug. 14

## M. tuberculosis (molecular)

### Program Description

1 mL liquid - For detection of *M. tuberculosis* and rifampin resistance using molecular methods.

### Program Information

372      M. tuberculosis (molecular) ✓

### Analytes

*M. tuberculosis* detection

Rifampin resistance screen

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Mycobacteriology Culture

### Program Description

Liquid samples and lyophilized samples - For culture and identification of mycobacteria. Antimycobacterial susceptibility testing can be performed on one sample per test event. Shipped two times per year as allowed by CMS.

### Program Information

344 Mycobacteriology Culture ✓

### Analytes

**Antimycobacterial Susceptibility Testing**

**Mycobacteriology Identification**

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 2 shipments

#### Shipping Dates

Feb 27, Aug. 14

## MYCOLOGY

## Candida Culture

### Program Description

Inocu-Swab II - For *Candida* culture.

### Program Information

317 Candida Culture ✓

### Analytes

**Candida Culture**

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Cryptococcal Antigen

### Program Description

1 mL liquid - For Cryptococcal antigen detection.

### Program Information

345 Cryptococcal Antigen ✓

### Analytes

Cryptococcal Antigen

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Dermatophyte Culture

### Program Description

Inocu-Swab II - For culture methods for dermatophytes.

### Program Information

332 Dermatophyte Culture ✓

### Analytes

**Dermatophyte Culture**

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

## India Ink

### Program Description

1 mL liquid - For presence or absence of encapsulated yeast using India ink methods.

### Program Information

339 India Ink ✓

### Analytes

India Ink

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## KOH Preparation

### Program Description

Glass slide prepared to represent a KOH examination of skin, nail or hair.

### Program Information

333 KOH Preparation ✓

### Analytes

KOH Preparation

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Mycology and Aerobic Actinomycetes

### Program Description

Inocu-Swab II - For culture and identification of yeasts, molds, and aerobic actinomycetes.

### Program Information

331 Mycology and Aerobic Actinomycetes ✓

### Analytes

► Antifungal Susceptibility Testing

#### **Mycology Culture**

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Jan. 9, May 15, Aug. 21

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

# PARASITOLOGY

## Blood Parasites

### Program Description

Two virtual blood smears plus three Giemsa-stained thick and/or thin blood smears for the identification of blood parasites.

### Program Information

336 Blood Parasites ✓

### Analytes

**Blood Parasite Identification** % Parasitemia

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Giardia & Cryptosporidium Antigens

### Program Description

1 mL liquid - For EIA & DFA test methods.

### Program Information

342 Giardia & Cryptosporidium Antigens - 5 samples ✓

932 Giardia & Cryptosporidium Antigens - Add on - 2 samples ✓

### Analytes

**Cryptosporidium Antigen**

**Giardia Antigen**

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## Parasitology

### Program Description

Photographs, formalin concentrates for direct examination and modified acid fast stain, and a zinc-based PVA slide. For labs performing a variety of parasitology tests. The numbers shown to the right of each analyte indicate the number of challenges per test event. For *Cryptosporidium* antigen see #342/932 - Giardia & Cryptosporidium Antigens on page 92. For Blood Parasites see #336 on page 92.

### Program Information

334 Parasitology ✓

### Analytes

Blood Smear Photo (1)

PVA Slide (1)

Stool Prep Photo (1)

Formalin Concentrates (2)

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Rapid Malaria

### Program Description

0.5 mL stabilized whole blood - For rapid malaria detection. Compatible with methods that detect *Plasmodium falciparum* specific histidine-rich protein 2 (HRP2).

### Program Information

382 Rapid Malaria

### Analytes

Rapid malaria detection

#### Format

3 samples x 2 shipments

#### Shipping Dates

Feb. 6, Sep. 18

## Trichomonas

### Program Description

2 mL liquid - For molecular methods and Sekisui OSOM Rapid Trichomonas test. For laboratories using the BD Affirm VP III see #324 - Affirm VP on page 72.

### Program Information

362 Trichomonas ✓

### Analytes

*Trichomonas vaginalis*

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

# VIROLOGY

## HBV Viral Load

### Program Description

1.5 mL plasma - For molecular quantification of HBV DNA.

### Program Information

442 HBV Viral Load

### Analytes

- ▶ HBV Viral Load
- ▶ Analyte is not CAP accepted.

### Format

2 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## HCV Viral Load

### Program Description

1.5 mL plasma - For molecular detection and quantification of HCV.

### Program Information

439 HCV Viral Load

### Analytes

- HCV, qualitative
- HCV genotyping
- ▶ HCV viral load
- ▶ Analyte is not CAP accepted.

### Format

2 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## HIV Viral Load

### Program Description

1.5 mL plasma - For molecular quantification of HIV-1 RNA Viral Load.

### Program Information

440 HIV Viral Load

### Analytes

- ▶ HIV-1 RNA Viral Load
- ▶ Analyte is not CAP accepted.

### Format

2 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## HPV (molecular) - 5

### Program Description

1 mL liquid - For detection of high risk HPV using molecular methods.

### Program Information

375 HPV (molecular) - 5 samples ✓

### Analytes

**HPV** HPV genotyping (16, 18, & 18/45)

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## HPV (molecular) - 2

### Program Description

1 mL liquid - For detection of high risk HPV using molecular methods. Use as an add on to other Virology programs - 2 shipments per year.

### Program Information

975 HPV (molecular) - 2 samples ✓

### Analytes

**HPV** HPV genotyping (16, 18, & 18/45)

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Feb. 6, Sep. 18

## HSV 1 & 2 (molecular)

### Program Description

1 mL liquid - For detection of HSV 1 and 2 using molecular methods.

### Program Information

373 HSV 1 & 2 (molecular) ✓

### Analytes

**Herpes Simplex Virus Type 1**

**Herpes Simplex Virus Type 2**

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Influenza A&B (Silaris)

### Program Description

Swab - For Silaris Influenza A&B Test kits. For other methods see #933 - Virology Package - waived on page 100.

### Program Information

977 Influenza A&B (Silaris)

### Analytes

► Influenza A

► Influenza B

► Analyte is not CAP accepted.

### Format

3 samples x 2 shipments

### Shipping Dates

Feb. 6, Sep. 18

## Molecular Virology

### Program Description

1 mL liquid - For detection of Cytomegalovirus (CMV), Enterovirus, Human Metapneumovirus (hMPV), and Varicella-zoster virus (VZV) using molecular methods. Use as an add-on option - 2 challenges per analyte.

### Program Information

381 Molecular Virology

### Analytes

**Cytomegalovirus**

**Human Metapneumovirus**

**Varicella-zoster virus**

**Enterovirus**

### Format

4 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Norovirus

### Program Description

1 mL liquid - For detection of Norovirus using molecular methods. Use as an add on to other Virology programs - 2 shipments per year.

### Program Information

379 Norovirus

### Analytes

Norovirus

#### Format

2 samples x 2 shipments

#### Shipping Dates

Feb. 6, Sep. 18

## Respiratory Virology SARS/Flu/RSV (molecular)

### Program Description

1 mL liquid - For molecular detection of SARS-CoV-2, Influenza A, Influenza B and RSV. For Abbott ID NOW users, see #322 - Virology Package - 5 on page 99 and #386 - SARS-CoV-2 swab (molecular) on page 99.

### Program Information

388 Respiratory Virology SARS/Flu/RSV (molecular)

C88 Respiratory Virology SARS/Flu/RSV (molecular) - Verification Program

### Analytes

Influenza A

RSV

SARS-CoV-2

Influenza B

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Rotavirus

### Program Description

1 mL liquid - For detection of Rotavirus antigen.

### Program Information

348 Rotavirus - 5 samples ✓

349 Rotavirus - Add on - 3 samples ✓

### Analytes

Rotavirus Antigen

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## SARS-CoV-2 Antigen

### Program Description

Swab - For detection of SARS-CoV-2 antigen.

### Program Information

387 SARS-CoV-2 Antigen  
C87 SARS-CoV-2 Antigen - Verification Program

### Analytes

SARS-CoV-2

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## SARS-CoV-2 liquid (molecular)

### Program Description

1.5 mL liquid - For detection of SARS-CoV-2 (COVID-19) using molecular methods. Contains the whole genome, providing sequence targets compatible with liquid based molecular assays. Includes variants of concern. For competency, see Q34 - SARS-CoV-2 liquid (molecular) - Competency on page 133.

### Program Information

385 SARS-CoV-2 liquid (molecular) ✓  
C85 SARS-CoV-2 liquid (molecular) - Verification Program

### Analytes

SARS-CoV-2

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## SARS-CoV-2 swab (molecular)

### Program Description

Swab - For detection of SARS-CoV-2 (COVID-19) by molecular methods. Contains the whole genome, providing sequence targets compatible with swab based methods such as Abbott ID NOW and Mesa Biotech Accula. Includes variants of concern.

### Program Information

386 SARS-CoV-2 swab (molecular)  
C86 SARS-CoV-2 swab (molecular) - Verification Program

### Analytes

SARS-CoV-2

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Virology Package

### Program Description

1 mL liquid - For Influenza A and/or B, RSV, and Adenovirus. Compatible with antigen detection kits and most molecular methods. For Silaris Influenza A&B, see #977 - Influenza A&B (Silaris) on page 96. For competency, see Q31 Influenza A&B - Competency on page 132 and Q33 RSV - Competency on page 133.

### Program Information

322 Virology Package - 5 samples ✓  
942 Virology Package - Add on - 2 samples ✓  
C22 Virology Package - Verification Program - 5 samples

### Analytes

**Adenovirus**

**Influenza A or B**

**RSV**

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Virology Package - waived

### Program Description

1 mL liquid - For waived Influenza A and/or B, RSV, and Adenovirus. Compatible with antigen detection kits and most molecular methods. For Silaris Influenza A&B, see #977 - Influenza A&B (Silaris) on page 96.

### Program Information

933 Virology Package - waived methods ✓  
J33 Virology Package - waived methods - Verification Program

### Analytes

Adenovirus Influenza A or B RSV

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 2 shipments

### Shipping Dates

Feb. 6, Sep. 18

## MOLECULAR MULTIPLEX PROGRAMS

For molecular testing of direct specimens, CMS considers bacteriology, virology, and yeast in blood cultures to be regulated tests. If the only regulated bacteriology, virology or mycology testing you perform is using a multiplex analyzer, you are required to participate in five challenges, three times a year for compliance with CLIA. Technical Support is available at 800-333-0958.

## Blood Pathogen Panel

### Program Description

1 mL liquid - For molecular multiplex panels. A list of targets available for reporting appears on page 104.

### Program Information

368 Blood Pathogen Panel ✓

### Analytes

Identification of Bacteria Identification of Yeasts Resistance Genes

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## GI Panel

### Program Description

1 mL liquid - For molecular multiplex panels. A list of targets available for reporting appears on page 104.

### Program Information

369 GI Panel ✓

### Analytes

#### Identification of Bacteria

Identification of Bacterial Toxins

#### Identification of Parasites

#### Identification of Viruses

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Joint Infection Panel

### Program Description

1 mL liquid - For molecular multiplex panels. Use as an add on to other Bacteriology programs. A list of targets available for reporting appears on page 104.

### Program Information

390 Joint Infection Panel

### Analytes

#### Identification of Bacteria

#### Identification of Yeasts

#### Resistance Genes

#### Format

2 samples x 2 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Meningitis Panel

### Program Description

1 mL liquid - For molecular multiplex panels. A list of targets available for reporting appears on page 104.

### Program Information

371 Meningitis Panel ✓

### Analytes

#### Identification of Bacteria

#### Identification of Viruses

#### Identification of Yeasts

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Nail Fungus Panel

NEW

### Program Description

1 mL lyophilized samples- For molecular multiplex panels. Use as an add on to other Bacteriology programs. A list of targets available for reporting appears on page 105.

### Program Information

391 Nail Fungus Panel

### Analytes

Identification of Bacteria

Identification of Fungi

Resistance Genes

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Pneumonia Panel

### Program Description

0.5 mL liquid - For molecular multiplex panels. A list of targets available for reporting appears on page 105.

### Program Information

378 Pneumonia Panel

### Analytes

Identification of Bacteria

Identification of Viruses

Resistance Genes

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Respiratory Panel

### Program Description

1 mL liquid - For molecular multiplex panels. A list of targets available for reporting appears on page 105.

### Program Information

370 Respiratory Panel ✓

### Analytes

Identification of Bacteria

Identification of Viruses

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## UTI Panel

ENHANCED

### Program Description

1 mL lyophilized samples - For molecular multiplex panels. Use as an add on to other Bacteriology programs. A list of targets available for reporting appears on page 105.

### Program Information

389 UTI Panel

### Analytes

**Identification of Bacteria**

Identification of Yeast

Resistance Genes

#### Format

5 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

## Vaginal Panel

### Program Description

0.5 mL liquid - For molecular multiplex panels. Use as an add on to other Bacteriology programs. A list of targets available for reporting appears on page 105.

### Program Information

376 Vaginal Panel

### Analytes

Detection of Bacterial Vaginosis

Identification of Candida

Identification of Trichomonas

**Identification of Bacteria**

#### Format

2 samples x 3 shipments

#### Shipping Dates

Feb. 6, Jun. 5, Sep. 18

MICROBIOLOGY

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## MULTIPLEX TARGET LIST

The targets shown for each program below are available for reporting. As our multiplex programs cater to many different testing platforms, some of the targets listed may not correspond to your testing platform's menu. Laboratories should only report results for targets they are currently testing at their facility.

368 - Blood Pathogen Panel				
<b><u>Molecular Bacti - Blood</u></b>	<i>Cutibacterium acnes</i>	<i>Fusobacterium nucleatum</i>	<i>Neisseria meningitidis</i>	<i>Stenotrophomonas maltophilia</i>
(ACB) complex	<i>Enterobacter</i> sp.	<i>Haemophilus influenzae</i>	<i>Proteus</i> sp.	<i>Streptococcus</i> sp.
<i>Acinetobacter</i> sp.	<i>Enterobacter cloacae</i> complex	<i>Klebsiella aerogenes</i>	<i>Pseudomonas aeruginosa</i>	<i>Streptococcus agalactiae</i>
<i>Acinetobacter baumannii</i>	<i>Enterobacter non cloacae</i> complex	<i>Klebsiella oxytoca</i>	<i>Salmonella</i> sp.	<i>Streptococcus anginosus</i> group
<i>Bacillus cereus</i> group	Enterobacterales	<i>Klebsiella pneumoniae</i>	<i>Serratia</i> sp.	<i>Streptococcus pneumoniae</i>
<i>Bacillus subtilis</i> group	<i>Enterococcus</i> sp.	<i>Lactobacillus</i> sp.	<i>Serratia marcescens</i>	<i>Streptococcus pyogenes</i>
<i>Bacteroides fragilis</i>	<i>Enterococcus faecalis</i>	<i>Listeria</i> sp.	<i>Staphylococcus</i> sp.	
<i>Citrobacter</i> sp.	<i>Enterococcus faecium</i>	<i>Listeria monocytogenes</i>	<i>Staphylococcus aureus</i>	
<i>Corynebacterium</i> sp.	<i>Escherichia coli</i>	<i>Micrococcus</i> sp.	<i>Staphylococcus epidermidis</i>	
<i>Cronobacter sakazakii</i>	<i>Fusobacterium necrophorum</i>	<i>Morganella morganii</i>	<i>Staphylococcus lugdunensis</i>	
<b><u>Molecular Mycology - Blood</u></b>	<i>Candida famata</i>	<i>Candida krusei</i>	<i>Cryptococcus gattii</i>	<i>Rhodotorula</i>
<i>Candida albicans</i>	<i>Candida glabrata</i>	<i>Candida lusitanae</i>	<i>Cryptococcus neoformans</i>	
<i>Candida auris</i>	<i>Candida guilliermondii</i>	<i>Candida parapsilosis</i>	<i>Cryptococcus neoformans/gattii</i>	
<i>Candida dubliniensis</i>	<i>Candida kefyr</i>	<i>Candida tropicalis</i>	<i>Fusarium</i>	
<b><u>Molecular Resistance Genes - Blood</u></b>		<i>mecA</i>	NDM	vanA/B
CTX-M	<i>mcr-1</i>	<i>mecC</i>	vanA	
IMP	<i>mecA/C</i>	OXA	vanB	
KPC	<i>mecA/C &amp; MREJ</i>	OXA-48-like	VIM	

369 - GI Panel				
<b><u>Molecular Bacti - GI</u></b>	Enteropathogenic <i>E. coli</i> (EPEC)	<i>Salmonella</i>	<i>Vibrio</i>	
<i>Campylobacter</i> sp.	<i>E. coli</i> O157	<i>Shigella</i>	<i>Vibrio cholerae</i>	
Enterotoxigenic <i>E. coli</i> (EPEC)	<i>Plesiomonas shigelloides</i>	<i>Shigella/Enteroinvasive E. coli</i> (EIEC)	<i>Yersinia enterocolitica</i>	
<b><u>Molecular Parasite - GI</u></b>	<i>Cryptosporidium</i>	<i>Cyclospora cayetanensi</i>	<i>Entamoeba histolytica</i>	<i>Giardia lamblia</i>
<b><u>Molecular Toxin - GI</u></b>	Enterotoxigenic <i>E. coli</i> (ETEC) It/st	Shiga Toxin 1	Shiga Toxin 2	
<i>C. difficile</i> Toxin A/B	Shiga-like toxin producing <i>E. coli</i> (STEC) stx1/stx2			
<b><u>Molecular Virology - GI</u></b>				
Adenovirus F 40/41	Astrovirus	Norovirus GI/GII	Rotavirus A	Sapovirus

390 - Joint Infection Panel				
<b><u>Molecular Bacti - Joint</u></b>	<i>Enterococcus faecalis</i>	<i>Klebsiella aerogenes</i>	<i>Peptostreptococcus anaerobius</i>	<i>Staphylococcus lugdunensis</i>
<i>Anaerococcus prevotii/vaginalis</i>	<i>Enterococcus faecium</i>	<i>Klebsiella pneumoniae</i> group	<i>Proteus</i> sp.	<i>Streptococcus agalactiae</i>
<i>Bacteroides fragilis</i>	<i>Escherichia coli</i>	<i>Morganella morganii</i>	<i>Pseudomonas aeruginosa</i>	<i>Streptococcus pneumoniae</i>
<i>Citrobacter</i> sp.	<i>Finegoldia magna</i>	<i>Neisseria gonorrhoeae</i>	<i>Salmonella</i> sp.	<i>Streptococcus pyogenes</i>
<i>Cutibacterium avidum/granulosum</i>	<i>Haemophilus influenzae</i>	<i>Parvimonas micra</i>	<i>Serratia marcescens</i>	
<i>Enterobacter cloacae</i> complex	<i>Kingella kingae</i>	<i>Peptoniphilus</i> sp.	<i>Staphylococcus aureus</i>	
<b><u>Molecular Mycology - Joint</u></b>	<i>Candida albicans</i>			
<b><u>Molecular Resistance Genes - Joint</u></b>	IMP	<i>mecA/C</i>	OXA-48-like	VIM
CTX-M	KPC	MREJ	vanA/B	

371 - Meningitis Panel				
<b><u>Molecular Bacti - Meningitis</u></b>	<i>Haemophilus influenzae</i>	<i>Neisseria meningitidis</i>	<i>Streptococcus pneumoniae</i>	
<i>Escherichia coli</i> K1	<i>Listeria monocytogenes</i>	<i>Streptococcus agalactiae</i>		
<b><u>Molecular Virology - Meningitis</u></b>	Enterovirus	Herpes simplex virus 2	Human parechovirus	
Cytomegalovirus	Herpes simplex virus 1	Human herpesvirus 6	Varicella zoster virus	
<b><u>Molecular Mycology - Meningitis</u></b>	<i>Cryptococcus neoformans/gattii</i>			

391 - Nail Fungus Panel				
<b><u>Molecular Bacti - Nail</u></b>	<i>Pseudomonas aeruginosa</i>	<i>Staphylococcus aureus</i>	<i>Streptococcus pyogenes</i>	
<b><u>Molecular Mycology - Nail</u></b>	<i>Acremonium (Sarcocladium) strictum</i>	<i>Alternaria</i> sp.	<i>Aspergillus</i> sp.	
<i>Aspergillus fumigatus</i>	<i>Aspergillus niger</i>	<i>Aspergillus terreus</i>	<i>Aspergillus versicolor</i>	
<i>Candida</i> sp	<i>Candida albicans</i>	<i>Candida dubliniensis</i>	<i>Candida glabrata</i>	

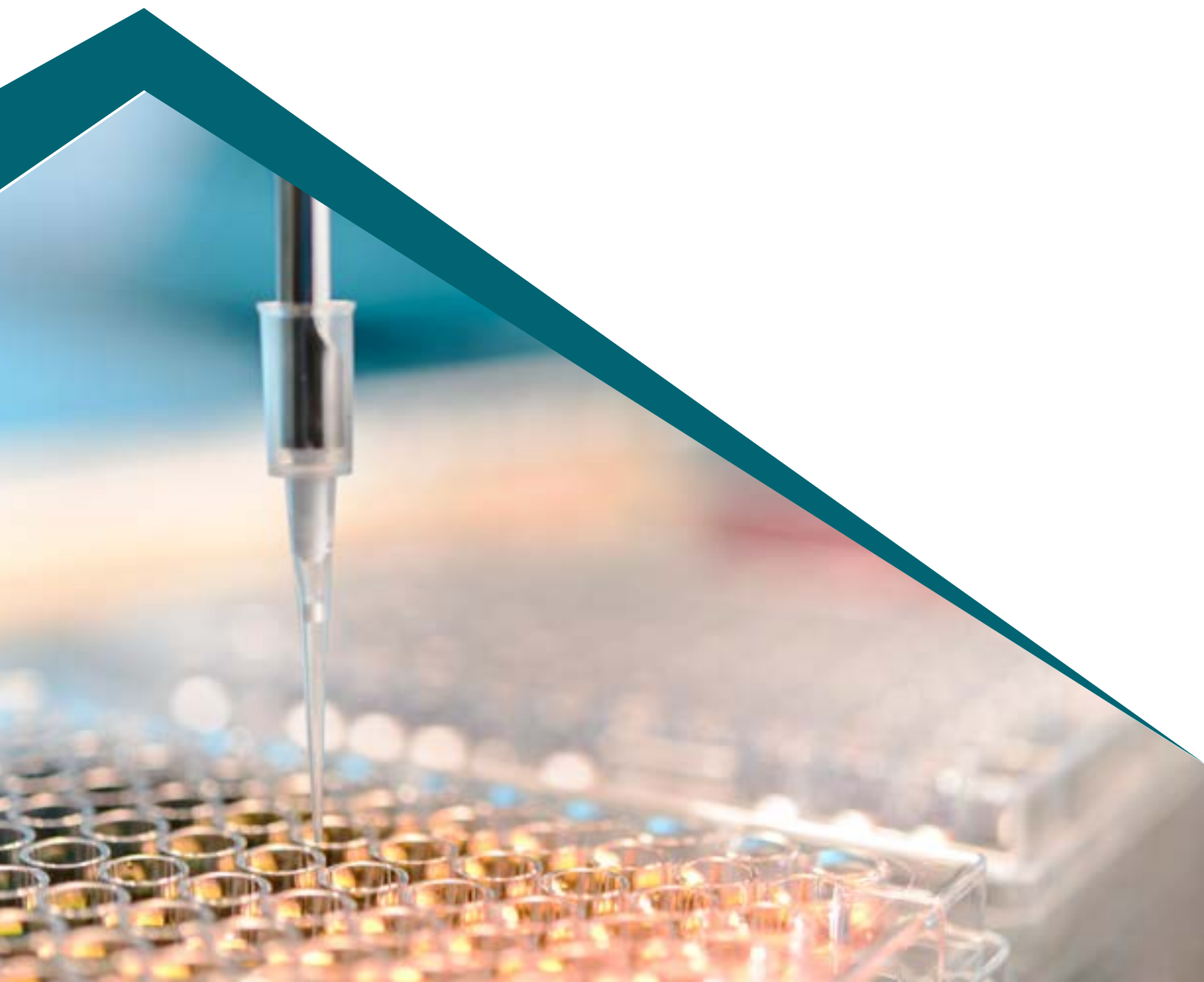
## MULTIPLEX TARGET LIST

The targets shown for each program below are available for reporting. As our multiplex programs cater to many different testing platforms, some of the targets listed may not correspond to your testing platform's menu. Laboratories should only report results for targets they are currently testing at their facility.

391 - Nail Fungus Panel				
<u>Molecular Mycology - Nail (cont.)</u>	<i>Candida krusei</i>	<i>Candida lusitaniae</i>	<i>Candida parapsilosis</i>	
<i>Candida tropicalis</i>	<i>Cryptococcus</i> sp.	<i>Curvularia</i> sp.	<i>Epidermophyton</i> sp.	
<i>Epidermophyton floccosum</i>	<i>Fusarium</i> sp.	<i>Fusarium solani</i>	<i>Malassezia</i> sp.	
<i>Meyerozyma guilliermondii</i>	<i>Microsporium audouinii</i>	<i>Microsporium canis</i>	<i>Microsporium gypseum</i>	
<i>Microsporium nanum</i>	<i>Scopulariopsis brevicaulis</i>	<i>Scytalidium (Neoscytalidium) dimidiatum</i>	<i>Trichophyton</i> sp.	
<i>Trichophyton anthropophilic</i> sp.	<i>Trichophyton interdigitale (mentagrophytes)</i>	<i>Trichophyton rubrum</i>	<i>Trichophyton soudanense</i>	
<i>Trichophyton tonsurans</i>	<i>Trichophyton violaceum</i>	<i>Trichosporon</i> sp.	<i>Trichosporon beigelii</i>	
<i>Trichosporon mucoides</i>	<i>Trichophyton zoophilic</i> sp.	<i>Zygosaccharomyces species</i>		
<u>Molecular Resistance Genes- Nail</u>	KPC	mecA	NDM	
378 - Pneumonia Panel				
<u>Molecular Bacti - Pneumonia</u>	<i>Escherichia coli</i>	<i>Klebsiella pneumonia</i> group	<i>Proteus</i> sp.	<i>Streptococcus agalactiae</i>
(ACB) complex	<i>Haemophilus influenza</i>	<i>Legionella pneumophila</i>	<i>Pseudomonas aeruginosa</i>	<i>Streptococcus pneumoniae</i>
<i>Chlamydia pneumoniae</i>	<i>Klebsiella aerogenes</i>	<i>Moraxella catarrhalis</i>	<i>Serratia marcescens</i>	<i>Streptococcus pyogenes</i>
<i>Enterobacter cloacae</i> complex	<i>Klebsiella oxytoca</i>	<i>Mycoplasma pneumonia</i>	<i>Staphylococcus aureus</i>	VIM
<u>Molecular Resistance Genes - Pneumonia</u>		KPC	NDM	
CTX-M	IMP	mecA/C & MREJ	OXA-48-like	
<u>Molecular Virology - Pneumonia</u>	Coronavirus	Human Rhinovirus/Enterovirus	Influenza B	Respiratory Syncytial Virus
Adenovirus	Human Metapneumovirus	Influenza A	Parainfluenza virus	
370 - Respiratory Panel				
<u>Molecular Bacti - Respiratory</u>	<i>Bordetella parapertussis</i>	<i>Bordetella pertussis</i>	<i>Legionella pneumophila</i>	
<i>Bordetella holmesii</i>	<i>Bordetella parapertussis/bronchiseptica</i>	<i>Chlamydophila pneumoniae</i>	<i>Mycoplasma pneumoniae</i>	
<u>Molecular Virology - Respiratory</u>	Coronavirus HKU1	Influenza A	Parainfluenza 1 - 4	RSV B
Adenovirus	Coronavirus NL63	Influenza A H1	Parainfluenza Virus	Rhinovirus
Bocavirus	Coronavirus OC43	Influenza A H3	Parechovirus	SARS-CoV-2
Coronavirus	Human Metapneumovirus (hMPV)	Influenza A / H1-2009	Respiratory Syncytial Virus	
Coronavirus 229E	Human Rhinovirus / Enterovirus	Influenza B	RSV A	
389 - UTI Panel				
<u>Molecular Bacti - Urine</u>	<i>Enterococcus</i> sp.	<i>Klebsiella pneumoniae</i>	<i>Providencia stuartii</i>	<i>Streptococcus pneumoniae</i>
<i>Acinetobacter baumannii</i>	<i>Enterococcus faecalis</i>	<i>Morganella morganii</i>	<i>Pseudomonas aeruginosa</i>	<i>Streptococcus pyogenes</i>
<i>Aerococcus urinae</i>	<i>Enterococcus faecium</i>	<i>Mycoplasma hominis</i>	<i>Serratia marcescens</i>	<i>Ureaplasma urealyticum</i>
<i>Bacteroides fragilis</i>	<i>Escherichia coli</i>	<i>Peptostreptococcus anaerobius</i>	<i>Staphylococcus aureus</i>	
<i>Citrobacter freundii</i>	<i>Klebsiella</i> sp.	<i>Prevotella</i> sp.	<i>Staphylococcus epidermidis</i>	
<i>Citrobacter koseri</i>	<i>Klebsiella aerogenes</i>	<i>Proteus mirabilis</i>	<i>Staphylococcus saprophyticus</i>	
<i>Enterobacter cloacae</i>	<i>Klebsiella oxytoca</i>	<i>Proteus vulgaris</i>	<i>Streptococcus agalactiae</i>	
<u>Molecular Mycology - Urine</u>	<i>Candida dubliniensis</i>	<i>Candida krusei</i>	<i>Candida parapsilosis</i>	
<i>Candida albicans</i>	<i>Candida glabrata</i>	<i>Candida lusitaniae</i>	<i>Candida tropicalis</i>	
<u>Molecular Resistance Genes - Urine</u>	Erm	mcr-1	qnr	sul1
AmpC	ErmB	mecA	qnrA	TEM
CTX-M	ErmC	mefA	qnrB	vanA
CTX-M group 1	femA	NDM	qnrS	van A/B
CTX-M group 2	IMP	OXA	SHV	vanB
dfrA	IMP-7	OXA-23	sul	VIM
ErmA	KPC	OXA-48	Tet M	
376 - Vaginal Panel				
<u>Molecular Bacti - Vaginitis</u>				
<i>Atopobium vaginae</i>		<i>Gardnerella vaginalis</i>	<i>Lactobacillus</i> sp.	
<u>Molecular BV - Vaginitis</u>		Bacterial Vaginosis	BVAB-2	
<u>Molecular Parasite - Vaginitis</u>				
<i>Trichomonas vaginalis</i>				
<u>Molecular Mycology - Vaginitis</u>		<i>Candida albicans</i>	<i>Candida ducliniensis</i>	
<i>Candida</i> group ( <i>albicans</i> , <i>tropicalis</i> , <i>parapsilosis</i> and <i>dubliniensis</i> )		<i>Candida glabrata</i>	<i>Candida glabrata-krusei</i>	
<i>Candida krusei</i>		<i>Candida parapsilosis</i>	<i>Candida tropicalis</i>	

# IMMUNOLOGY

IMMUNOLOGY	1st Event	2nd Event	3rd Event
Ship Dates	March 27	August 7	November 27
Replacement Deadline	April 4	August 15	December 5
PT Results Due Date	April 12	August 23	December 13
Verification Due Date	April 19	August 30	December 20
Evaluations Available Online	May 2	September 12	January 2, '24



# IMMUNOLOGY

## ANA

### Program Description

0.5 mL serum - Qualitative reporting only. Designed for ANA methods other than latex agglutination. For latex agglutination methods see #429 - ANA (latex kits) on page 107.

### Program Information

421    ANA ✓

### Analytes

<b>ANA</b>	Anti-RNP / Sm	Anti-SSA/SSB
Anti-DNA (ds, ss)	Anti-Sm	Anti-SSB
Anti-RNP	Anti-SSA	Antichromatin Antibody

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## ANA (latex kits)

### Program Description

0.5 mL serum - Designed for latex agglutination methods.

### Program Information

429    ANA (latex kits)

### Analytes

**ANA**

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Anti-CCP

### Program Description

1 mL serum - For qualitative, quantitative, and semi-quantitative testing.

### Program Information

423 Anti-CCP ✓

### Analytes

Anti-Cyclic Citrullinated Peptide

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## ASO

### Program Description

1 mL serum - For qualitative, quantitative, and semi-quantitative (titer) methods. Qualitative and titer testing are scored for CMS.

### Program Information

424 ASO ✓

### Analytes

Anti-Streptolysin O

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## C-Reactive Protein

### Program Description

0.5 mL serum - For qualitative and quantitative CRP procedures that measure levels >1.0 mg/dL.

### Program Information

431 C-Reactive Protein ✓

### Analytes

C-Reactive Protein

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27



## Celiac Serology

### Program Description

0.3 mL serum - For qualitative, quantitative, and screening methods.

### Program Information

448 Celiac Serology

### Analytes

Anti-DGP, qual (IgG & ► IgA)

Anti-DGP, quant (IgA & IgG)

Anti-DGP, screen (IgA & IgG)

Anti-DGP/tTG, screen (IgA & IgG)

Anti-gliadin Antibody, qual (IgA & IgG)

Anti-gliadin Antibody, quant (IgA & IgG)

► Anti-tTG Antibody, IgA, qual & quant

Anti-tTG Antibody, IgG, qual & quant

► Analyte is not CAP accepted.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Diagnostic Allergy

### Program Description

2 mL serum - For quantitative IgE and specific allergens. Specific allergens may be reported qualitatively or quantitatively.

### Program Information

419 Diagnostic Allergy ✓

437 Additional Sample Volume

### Analytes

Specific Allergens

**Total IgE**

✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## H. pylori Antibody

### Program Description

0.5 mL serum - For kits that detect Helicobacter pylori antibody. For H. pylori antigen see #351 - H. pylori Antigen, Stool on page 81.

### Program Information

420 H. pylori Antibody ✓

### Analytes

H. pylori Antibody

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## High Sensitivity CRP

### Program Description

0.5 mL serum - For hsCRP procedures that measure levels between 0-1.5 mg/dL.

### Program Information

443 High Sensitivity CRP - 5 samples ✓

425 High Sensitivity CRP - 2 samples ✓

### Analytes

hsCRP

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## HSV 1 & 2 Antibody

### Program Description

0.5 mL serum

### Program Information

430 HSV 1 & 2 Antibody ✓

### Analytes

► HSV-1 Antibody

► HSV-1/2 Antibody

HSV-2 Antibody

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Immunology Package

### Program Description

Serum samples - Cost savings for sites that perform all of the included tests. ASO, Rubella, and Rheumatoid Factor may be reported as qualitative, quantitative, or as a titer; qualitative and titer testing are scored for CMS.

### Program Information

407 Immunology Package ✓

### Analytes

**Anti-Streptolysin O**

**Rheumatoid Factor**

**Rubella**

**Infectious Mononucleosis**

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Immunoproteins/C3 & C4

### Program Description

1 mL serum - For quantitative testing.

### Program Information

436 Immunoproteins/C3 & C4 ✓

### Analytes

#### Alpha-1-Antitrypsin

► Ceruloplasmin

#### Complement C3

#### Complement C4

Haptoglobin

#### IgA

IgD

#### IgE

#### IgG

IgG Subclass Proteins

#### IgM

Kappa/Lambda ratio

► Analyte is not CAP accepted.

✓ Program is included in our A2LA scope of accreditation. See A2LA link on our website for analyte exceptions.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Infectious Disease Serology

ENHANCED

### Program Description

0.5 mL lyophilized defibrinated plasma samples - 1 analyte per sample. Not CMS scored or reported to CAP. Please Note: As a regulated analyte, Rubella also requires enrollment in 5 samples, 3 times per year to meet CMS and CAP requirements. See #415 - Rubella on page 117 or #407 - Immunology Package on page 111.

### Program Information

438 Infectious Disease Serology

### Analytes

Cytomegalovirus (IgG & ► IgM)

Epstein-Barr virus (EBV) (Anti-VCA IgG & IgM,

Anti-EBNA IgG & IgM, Anti-EA IgG & IgM) <sup>NEW</sup>

Mumps Virus IgG

► Rubella (IgG & IgM)

Rubeola Virus IgG

Toxoplasma gondii (IgG & IgM)

Varicella Zoster Virus (VZV) IgG

► VZV Total Ab <sup>NEW</sup>

► Analyte is not CAP accepted.

### Format

6 samples x 2 shipments

### Shipping Dates

Mar. 27, Nov. 27

## Infectious Mononucleosis

### Program Description

0.6 mL serum - For all Infectious Mononucleosis kits. #910 is not scored for CMS. For multiplex EBV reporting, see catalog #438 - Infectious Disease Serology on page 112.

### Program Information

410 Infectious Mononucleosis - 5 samples ✓  
910 Infectious Mononucleosis - waived - 2 samples ✓

### Analytes

#### **Infectious Mononucleosis**

✓ Program is included in our A2LA scope of accreditation.

#### **Format**

3 shipments

#### **Shipping Dates**

Mar. 27, Aug. 7, Nov. 27

## Infectious Mononucleosis & Rheumatoid Factor

### Program Description

Serum samples - Cost savings for labs that perform both tests. Rheumatoid Factor results may be reported as qualitative, quantitative, or as a titer; qualitative and titer testing are scored for CMS.

### Program Information

411 Infectious Mononucleosis & Rheumatoid Factor ✓

### Analytes

#### **Infectious Mononucleosis**

#### **Rheumatoid Factor**

✓ Program is included in our A2LA scope of accreditation.

#### **Format**

3 shipments

#### **Shipping Dates**

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Lyme Disease

### Program Description

0.6 mL serum - For IgG and IgM antibody detection to *Borrelia burgdorferi*.

### Program Information

418     Lyme Disease ✓

### Analytes

Lyme Disease Antibody

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Mycoplasma Antibody

### Program Description

0.5 mL serum - For kits that detect *Mycoplasma pneumoniae* antibody.

### Program Information

428     Mycoplasma Antibody ✓

### Analytes

Mycoplasma Antibody

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Rapid Anti-HCV

### Program Description

0.5 mL - For rapid or waived methods only.

### Program Information

445 Rapid Anti-HCV

### Analytes

► Anti-HCV

► Analyte is not CAP accepted.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Rapid HIV

### Program Description

1 mL serum - For laboratories using a rapid method to test for anti-HIV and/or HIV-1 p24 antigen. For other antigen/antibody methods see #417 - Viral Markers on page 119. #433 is not scored for CMS.

### Program Information

432 Rapid HIV - 5 samples ✓

433 Rapid HIV - waived methods - 2 samples ✓

D33 Rapid HIV - Verification Program - 2 samples

### Analytes

**Anti-HIV-1/2**

HIV-1 p24 Antigen

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Rheumatic Disease Serology

### Program Description

1 mL liquid - 1 sample per analyte.

### Program Information

447 Rheumatic Disease Serology

### Analytes

Anti-Jo-1

Anti-Scl-70

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 27, Nov. 27

## Rheumatoid Factor

### Program Description

1 mL serum - For qualitative, quantitative, and semi-quantitative (titer) methods. Qualitative and titer testing are scored for CMS.

### Program Information

408 Rheumatoid Factor ✓

### Analytes

#### Rheumatoid Factor

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27



## Rubella

### Program Description

1 mL serum - For qualitative, quantitative, and semi-quantitative (titer) methods. Qualitative and titer testing are scored for CMS.

### Program Information

415 Rubella ✓

### Analytes

#### Rubella

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## SARS-CoV-2 Serology

### Program Description

0.75 mL plasma, non-infectious - For qualitative reporting by methods detecting the presence of antibodies against SARS-CoV-2.

### Program Information

444 SARS-CoV-2 Serology  
D44 SARS-CoV-2 Serology - Verification Program

### Analytes

SARS-CoV-2 (Total Ab, IgG, IgM, IgA)

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Syphilis Serology

### Program Description

1 mL serum - For qualitative and semi-quantitative (titer) methods for serum and CSF. Designed for RPR, VDRL, FTA, and Treponemal Antibody methods.

### Program Information

416 Syphilis Serology ✓

### Analytes

#### Syphilis

✓ Program is included in our A2LA scope of accreditation.

#### Format

5 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Thyroid Antibodies

### Program Description

0.5 mL serum - For quantitative testing.

### Program Information

164 Thyroid Antibodies ✓

### Analytes

Thyroglobulin Antibody (Anti-TG)

Thyroid Microsomal Antibody (Anti-TPO)

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

# Viral Markers

## Program Description

3 mL plasma - For anti-HIV, HIV antigen and/or Hepatitis testing. Anti-HIV and HIV-1 p24 antigen is for standard or confirmatory methods only. For rapid HIV antibody and antigen methods see #432/433 - Rapid HIV on page 115. For rapid Anti-HCV methods see #445 - Rapid Anti-HCV on page 115.

## Program Information

417    Viral Markers ✓

## Analytes

Anti-HAV (total & IgM)

► Anti-HAV (IgG)

**Anti-HBc (total & IgM)**

Anti-HBs, qualitative & quantitative

► Analyte is not CAP accepted.

Anti-HCV

**Anti-HIV-1**

**Anti-HIV-1/2**

**Anti-HIV-1/2 Confirmatory**

✓ Program is included in our A2LA scope of accreditation.

**Anti-HIV-1/2**, p24 Antigen

**Anti-HIV-2**

**HBsAg**

**HBsAg Confirmatory**

## Format

5 samples x 3 shipments

## Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

# IMMUNOHEMATOLOGY

IMMUNOHEMATOLOGY	1st Event	2nd Event	3rd Event
Ship Dates	March 27	August 7	November 27
Replacement Deadline	April 4	August 15	December 5
PT Results Due Date	April 12	August 23	December 13
Verification Due Date	April 19	August 30	December 20
Evaluations Available Online	May 2	September 12	January 2, '24



IMMUNOHEMATOLOGY

**ABO/Rh**

**Program Description**  
3 mL - 4% cell suspensions for ABO/Rh testing.

**Program Information**  
511    ABO/Rh ✓

**Analytes**  

<b>ABO Group</b>	<b>ABO Subgroup</b>	<b>D (Rho) Type</b>
✓ Program is included in our A2LA scope of accreditation.		

<b>Format</b> 5 samples x 3 shipments	<b>Shipping Dates</b> Mar. 27, Aug. 7, Nov. 27
--	---

**Antibody Elution**

**Program Description**  
2 mL - 50% cell suspensions for antibody elution for non-ABO antibody testing.

**Program Information**  
516    Antibody Elution ✓

**Analytes**  
Antibody Elution  
✓ Program is included in our A2LA scope of accreditation.

<b>Format</b> 2 samples x 2 shipments	<b>Shipping Dates</b> Mar. 27, Nov. 27
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All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## Antibody Titer - A

### Program Description

2 mL serum for Anti-A titer. One 3 mL red cell sample (4% suspension) to be used as titer cell.

### Program Information

519     Antibody Titer - A ✓

### Analytes

Anti-A (IgM and IgG) titer

✓ Program is included in our A2LA scope of accreditation.

#### Format

1 samples x 2 shipments

#### Shipping Dates

Mar. 27, Nov. 27

## Antibody Titer - D

### Program Description

2 mL serum for anti-D titer. One 3 mL red cell sample (4% suspension) to be used as titer cell.

### Program Information

520     Antibody Titer - D ✓

### Analytes

Anti-D titer

✓ Program is included in our A2LA scope of accreditation.

#### Format

1 samples x 2 shipments

#### Shipping Dates

Mar. 27, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Antibody Titer - AD

### Program Description

2 mL serum - One sample each for anti-A and anti-D titer and one 3 mL red cell sample (4% suspension) to be used as titer cell.

### Program Information

521     Antibody Titer - AD ✓

### Analytes

Anti-A (IgM and IgG) titer

Anti-D titer

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 2 shipments

#### Shipping Dates

Mar. 27, Nov. 27

## Automated Blood Bank

### Program Description

Includes five 4 mL tubes of CPD anticoagulated whole blood. One 2 mL donor red cell suspension is included for compatibility testing and antigen typing which are compatible with Bio-Rad, Grifols, Immucor, and Ortho blood bank analyzers.

### Program Information

517     Automated Blood Bank ✓

E17     Automated Blood Bank - Verification Program

### Analytes

#### ABO Group

ABO Subgroup

#### Antibody Identification

#### Antibody Screen

Antigen Typing

#### Compatibility Testing

#### D (Rho) Type

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Automated Blood Bank with Electronic Crossmatch

### Program Description

Includes five 4 mL tubes of CPD anticoagulated whole blood. One 2 mL donor red cell suspension is included for compatibility testing and antigen typing which are compatible with Bio-Rad, Grifols, Immucor, and Ortho blood bank analyzers. In addition, two donor red cell suspensions with corresponding simulated ISBT donor unit labels are included for electronic crossmatch.

### Program Information

537 Automated Blood Bank with Electronic Crossmatch ✓

### Analytes

#### **ABO Group**

ABO Subgroup

#### **Antibody Identification**

✓ Program is included in our A2LA scope of accreditation.

#### **Antibody Screen**

Antigen Typing

#### **Compatibility Testing**

#### **D (Rho) Type**

Electronic Crossmatch

### Format

3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Blood Bank

### Program Description

Includes five 2 mL samples of a 4% red cell suspension and five 3 mL samples of corresponding serum. One 2 mL donor red cell suspension is included for compatibility testing and antigen typing. For Automated Blood Bank see #517/E17 on page 123.

### Program Information

512 Blood Bank ✓

E12 Blood Bank - Verification Program

### Analytes

#### **ABO Group**

ABO Subgroup

#### **Antibody Identification**

✓ Program is included in our A2LA scope of accreditation.

#### **Antibody Screen**

Antigen Typing

#### **Compatibility Testing**

#### **D (Rho) type**

### Format

3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.



## Blood Bank with Electronic Crossmatch

### Program Description

Includes five 2 mL samples of a 4% red cell suspension and five 3 mL samples of corresponding serum. One 2 mL donor red cell suspension is included for compatibility testing and antigen typing. In addition, two donor red cell suspensions with corresponding simulated ISBT donor unit labels are included for electronic crossmatch. For Automated Blood Bank with Electronic Crossmatch see #537 on page 124.

### Program Information

532 Blood Bank with Electronic Crossmatch ✓

### Analytes

#### ABO Group

ABO Subgroup

#### Antibody Identification

#### Antibody Screen

Antigen Typing

#### Compatibility Testing

#### D (Rho) Type

Electronic Crossmatch

✓ Program is included in our A2LA scope of accreditation.

#### Format

3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## DAT

### Program Description

1 mL - 4% cell suspensions for DAT.

### Program Information

514 DAT ✓

E14 DAT - Verification Program

### Analytes

Direct Antiglobulin Testing

✓ Program is included in our A2LA scope of accreditation.

#### Format

2 samples x 3 shipments

#### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## DAT - Automated

### Program Description

4 mL - 15% red cell suspensions for automated DAT methods.

### Program Information

534      DAT - Automated ✓

### Analytes

Direct Antiglobulin Testing

✓ Program is included in our A2LA scope of accreditation.

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Educational Blood Bank

### Program Description

One case study - Sample volume varies by event. 1-2 serum samples and/or 1-2 red cell samples for special challenges that may include ABO Group, D (Rho) Type, Antibody Screen, Antibody Identification, Antigen Typing, or Compatibility Testing.

### Program Information

518      Educational Blood Bank ✓

### Analytes

ABO Group

Antibody Screen

Compatibility Testing

Antibody Identification

Antigen Typing

D (Rho) Type

✓ Program is included in our A2LA scope of accreditation.

### Format

3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

All analytes in bold type are regulated for proficiency testing by CMS. Laboratories enrolling in programs to satisfy CMS requirements for PT are responsible for ensuring they are testing five samples, three times per year.

## Fetal RBC

### Program Description

2 mL simulated whole blood - For fetal screen, Kleihauer-Betke, and flow cytometry.

### Program Information

515 Fetal RBC ✓

### Analytes

- |                                    |   |                            |
|------------------------------------|---|----------------------------|
| ▶ F Cell Value (by flow cytometry) | Fetal Screen  | Hemoglobin F, quantitative |
| ▶ Analyte is not CAP accepted.     | ✓ Program is included in our A2LA scope of accreditation. |                            |

### Format

2 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

## Rh Slide Test

### Program Description

0.5 mL - 35-45% cell suspensions for sites that use slide methodology or Eldoncards for Rh typing.

### Program Information

513 Rh Slide Test ✓

### Analytes

#### D (Rho) Type

- ✓ Program is included in our A2LA scope of accreditation.

### Format

5 samples x 3 shipments

### Shipping Dates

Mar. 27, Aug. 7, Nov. 27

# COMPETENCY



Innovative Solutions.

Technical Excellence.

## Competency Offerings Now Available

One of the top citations that laboratories receive during an inspection is the lack of competency assessment documentation. API can help laboratories meet this requirement. Our new Competency Programs provide tools to assist with evaluating and documenting the competency of testing personnel. These tools can be utilized in conjunction with the laboratory's established standards to meet the required elements of competency.

Included in Competency Programs:

- Frequent ship dates available to help laboratories stay up to date with competency assessments
- Observation checklists and quizzes to help laboratories ensure they have appropriate documentation to meet the required six elements of competency
- Samples with peer group data comparisons for direct observation of multiple personnel to ensure all members of the laboratory team can demonstrate accurate and reliable patient testing

Let API's Competency Programs provide a pathway for your laboratory to identify quality improvement opportunities, assess workforce development needs, and demonstrate reliable patient testing.

## Blood Cell Identification - Competency

### Program Description

One virtual Wright stained peripheral blood smear for blood cell identification. The case study will include 5 annotated cells/objects for identification with a manual 100 WBC differential.

### Program Information

Q24 Blood Cell ID - Competency

### Analytes

Blood Cell Identification

Manual Differential

#### Format

1 virtual image

#### Shipping Dates

Available upon request

## Blood Gas - Competency

### Program Description

Ten identical 3 mL ampules - For combination blood gas/electrolyte analyzers.

### Program Information

Q11 Blood Gas - Competency

### Analytes

BUN  
Calcium, ionized  
Chloride  
Creatinine  
Glucose

Lactate  
Magnesium, ionized  
pCO<sub>2</sub>  
pH  
pO<sub>2</sub>

Potassium  
Sodium  
tCO<sub>2</sub>

#### Format

10 samples

#### Shipping Dates

Available upon request

## Body Fluid Microscopy - Competency

### Program Description

Virtual images for the identification of crystals and other formed elements/cells in pleural, peritoneal, or pericardial fluid.

### Program Information

Q13 Body Fluid Microscopy - Competency

### Analytes

Identification of formed elements

#### Format

2 - 5 targets

#### Shipping Dates

Available upon request

## CSF - Competency

### Program Description

Virtual images for the identification of crystals and other formed elements/cells in CSF.

### Program Information

Q14 CSF - Competency

### Analytes

Identification of formed elements

#### Format

2 - 5 targets

#### Shipping Dates

Available upon request

## Fecal Occult Blood - Competency

### Program Description

One 1.5 mL positive simulated stool sample - For guaiac or immunoassay methods.

### Program Information

Q22 Fecal Occult Blood - Competency

### Analytes

Fecal Occult Blood

#### Format

1 sample

#### Shipping Dates

Available upon request

## Fern Test - Competency

### Program Description

One virtual image for the presence or absence of ferning.

### Program Information

Q28 Fern Test - Competency

### Analytes

Fern Test

#### Format

1 virtual image

#### Shipping Dates

Available upon request

## Gram Stain - Competency

### Program Description

Two virtual images of Gram stained direct smears from various sources such as blood, sputum, CSF, and wound.

### Program Information

Q35 Gram Stain - Competency

### Analytes

Gram Stain

Sputum Quality

Stain Quality

Leukocytes

#### Format

2 virtual images

#### Shipping Dates

Available upon request

## Group A Strep Antigen - Competency

### Program Description

Ten positive swabs - For rapid Group A Strep antigen detection kits. Program not compatible with molecular methods.

### Program Information

Q32 Group A Strep Antigen - Competency

### Analytes

Group A Strep Antigen

#### Format

10 samples

#### Shipping Dates

Available upon request

## i-STAT Chemistry - Competency

### Program Description

Ten identical 3 mL ampules - For i-STAT analyzers.

### Program Information

Q12 i-STAT Chemistry - Competency

### Analytes

Calcium, ionized  
Chloride  
Creatinine  
Glucose  
Hematocrit

Hemoglobin  
Lactate  
pCO<sub>2</sub>  
pH  
pO<sub>2</sub>

Potassium  
Sodium  
tCO<sub>2</sub>  
Urea Nitrogen (BUN)

### Format

10 samples

### Shipping Dates

Available upon request

## Influenza A&B - Competency

### Program Description

One 1 mL influenza A positive liquid sample and one 1 mL influenza B positive liquid sample - For antigen detection kits and most molecular methods.

### Program Information

Q31 Influenza A&B - Competency

### Analytes

Influenza A

Influenza B

### Format

2 samples

### Shipping Dates

Available upon request



## RSV - Competency

### Program Description

One 1 mL RSV positive liquid sample - For antigen detection kits and most molecular methods.

### Program Information

Q33 RSV - Competency

### Analytes

RSV

#### Format

1 sample

#### Shipping Dates

Available upon request

## SARS-CoV-2 liquid (molecular) - Competency

### Program Description

One 1.5 mL positive liquid sample. Contains the whole genome, providing sequence targets compatible with liquid based molecular assays. Includes variants of concern.

### Program Information

Q34 SARS-CoV-2 liquid (molecular) - Competency

### Analytes

SARS-CoV-2

#### Format

1 sample

#### Shipping Dates

Available upon request

## Sperm - Competency

### Program Description

One virtual image for the presence or absence of sperm.

### Program Information

Q27 Sperm - Competency

### Analytes

Sperm

#### Format

1 virtual image

#### Shipping Dates

Available upon request

## Synovial Fluid - Competency

### Program Description

Virtual images for the identification of crystals and other formed elements/cells in synovial fluid.

### Program Information

Q15 Synovial Fluid - Competency

### Analytes

Identification of formed elements

#### Format

2 - 5 targets

#### Shipping Dates

Available upon request

## Urinalysis & HCG - Competency

### Program Description

One 10 mL urine - For dipstick analysis and urine hCG methods.

### Program Information

Q21 Urinalysis & HCG - Competency

### Analytes

Bilirubin	HCG	Protein
Bilirubin, confirmatory	Ketones	Protein, confirmatory
Blood/Hemoglobin	Leukocyte Esterase	Reducing Substance
Creatinine	Nitrite	Specific Gravity
Glucose	pH	Urobilinogen

#### Format

1 sample

#### Shipping Dates

Available upon request

## Urine Sediment - Competency

### Program Description

Two virtual images for identification of formed elements in urine sediment.

### Program Information

Q26     Urine Sediment - Competency

### Analytes

Identification of formed elements

#### Format

2 virtual images

#### Shipping Dates

Available upon request

## Vaginal Wet Prep - Competency

### Program Description

One virtual image of Vaginal Wet Prep and one virtual image of Vaginal Wet Prep with KOH.

### Program Information

Q25     Vaginal Wet Prep - Competency

### Analytes

Vaginal Wet Prep

Vaginal Wet Prep (KOH)

#### Format

2 virtual images

#### Shipping Dates

Available upon request

# CE Credits, Automated Results, and Other Products and Services

## Free Continuing Education Credits

Physicians, medical technologists, and technicians enrolled with API are eligible to earn FREE continuing education credit through online self-assessment activities offered in conjunction with the American Society for Clinical Pathology (ASCP). The number of credits that can be earned depends on individual participation. For more information, go to our website at [api-pt.com](http://api-pt.com) and select “Learn More” under the Continuing Education heading, or call us at 800-333-0958 to speak with a Customer Service Representative.

## API DataDirect

Using their own laboratory information system (LIS) or middleware, laboratories may now transmit proficiency testing results directly to API, a process that revolutionizes proficiency testing for clinical laboratories. No more manual data entry, no more clerical errors, no new technology systems to purchase, and no additional fees! DataDirect is easy to use and saves time! Contact us at [DataDirect@api-pt.com](mailto:DataDirect@api-pt.com) or call us for a demonstration.

## Remedial Proficiency Testing

Remedial proficiency testing is a service API offers to those who need to test specimens in addition to regular proficiency testing. This is usually required when a laboratory has had poor performance on a particular analyte in two of three test events. If your laboratory encounters a need for this service (which includes a written performance evaluation), call to speak with a Technical Specialist for more details. Remedial evaluations are not included in our A2LA scope of accreditation.

## Troubleshooting Samples

Occasionally, laboratories wish to re-test a proficiency testing sample as part of a corrective action plan. Most API samples are available for this purpose at a nominal charge. Our Technical Specialists can give you further information.

## Supplemental Products

957 API Binder with Tabs

958 Tabs only

## Verification Programs for Multiple Instruments

CLIA regulations state that if a laboratory uses multiple methods to test an analyte they must designate one instrument/method as primary for the proficiency event and test the PT samples using that instrument/method. Laboratories are not to test proficiency samples during the PT event with more than one instrument unless that is how they test all patient specimens. This restriction also applies to non-regulated analytes and to analytes categorized as waived under CLIA.

Laboratories may test proficiency samples with multiple instruments/methods after the PT due date. API's Verification programs offer the convenience of using proficiency samples and statistics to verify secondary instruments and methods, while remaining compliant with CLIA regulations. Verification samples are shipped along with PT samples. Laboratories are directed to test after the PT due date and submit results for verification samples online. Verification evaluations are available online, when the evaluations for proficiency programs are released.

Where available, verification programs are listed in the main body of the catalog along with regular PT programs. Scores from verification programs are not reported to regulatory agencies such as CMS, CAP, or The Joint Commission. Verification programs are not included in our A2LA scope of accreditation.

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