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Enrollment Info

1. Select the program options you need using this catalog. Use the order form to record your selections, then follow these instructions to complete the form. Make sure you include:
   a. Shipping Address (include mailing address for correspondence)
   b. Billing Address (if different than shipping address)
   c. Regulatory Information
   d. Payment Method
      Remit all payments with or without orders to:
      American Proficiency Institute
      Department 9526
      P.O. Box 30516
      Lansing, MI  48909-8016

2. Be sure the “TOTAL” column includes the $75 annual fee which covers the administrative costs of setting up customer files, data processing, and reports.

3. To Order:
   a. Order online at www.api-pt.com, or
   b. Fax the order form to us at 231-941-7287, or
   c. Phone us at 800-333-0958 and speak with a customer service representative, or
   d. Mail the order form without payments to:
      American Proficiency Institute
      1159 Business Park Drive
      Traverse City, MI  49686

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, call us so we can trace 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; we will send you a replacement. Please call prior to discarding any damaged samples.
   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 fee, we will prorate the prices for orders received after the first shipment.

Cancellations
We will refund any charges for unshipped specimens if we receive notification in writing four weeks prior to the next shipment date. The annual fee is nonrefundable.

International and Non-Continental U.S. Customers
The state of Hawaii and some other island commonwealths and territories require import permits or certificates of origin for clearance through customs. Import permits must be obtained by the laboratory receiving the product from API. Local authorities can tell you if any permits are required for your location. Additional shipping charges will be added to International and Non-Continental U.S. orders. Please go to www.api-pt.com for more information.
Highlights for 2015

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 28 and 29 for a complete listing of CAP accepted analytes. API programs are also accepted by CMS, COLA, TJC, and state regulatory agencies.

New programs and features for 2015
- Bordetella pertussis  
  See catalog #363 on page 19
- Electronic Crossmatch  
  See catalog #532 on page 25
- Electronic Crossmatch - Auto  
  See catalog #537 on page 26
- Ethyl Glucuronide  
  See catalog #148 on page 10
- Fentanyl and Tramadol  
  Added to catalog #139 on page 10
- Glycohemoglobin – 5 samples for CAP accredited labs  
  See catalog #126 on page 7
- Additional Glycohemoglobin  
  See catalog #179 on page 7
- Lipid Plus - 5  
  See catalog #176 on page 4
- Lipid Plus - 2  
  See catalog #976 on page 4
- Oxidants  
  Added to catalog #146 on page 10
- Thyroid - Special  
  See catalog #175 on page 5
- Gram Stain - Direct Smears  
  See catalog #329 on page 19

2015 Shipping Schedule
The shipping dates are shown at the top of each page in this catalog. These dates will also be printed on your order confirmation. A general schedule is shown below. See our website for a printable shipping schedule.

<table>
<thead>
<tr>
<th>Test Event</th>
<th>1st Test Event</th>
<th>2nd Test Event</th>
<th>3rd Test Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>January 26</td>
<td>May 18</td>
<td>September 14</td>
</tr>
<tr>
<td>Microbiology</td>
<td>March 2</td>
<td>June 22</td>
<td>October 19</td>
</tr>
<tr>
<td>Hematology/Coagulation/Body Fluids</td>
<td>March 23</td>
<td>July 13</td>
<td>November 9</td>
</tr>
<tr>
<td>Immunology/Immunohematology</td>
<td>April 20</td>
<td>August 10</td>
<td>December 7</td>
</tr>
</tbody>
</table>

Outstanding Features and Online Services
Paperless Proficiency Testing™ has unique features that can help you manage your proficiency testing more efficiently. Visit www.api-pt.com to learn more.
- DataDirect allows laboratories to upload PT results using their LIS system
- Secondary programs reformatted to help you comply with CLIA requirements for multiple instruments
- Sample testing instructions, failures reports, order confirmations, and corrective action forms
- Interactive performance reports help you quickly zero in on problem areas
- Email is sent to you with shipping dates and package tracking information
- Submit, review and print results online (available online for at least 5 years)
- Confirmation that your results have been received when submitted online
- Receive an email when your evaluations are ready to view online
- Trend data, graphs and participant data summaries
- Free Continuing Education credits
- Virtual Blood Cell Identification and Gram Stain
**Routine Chemistry**

125 Chemistry - Endocrinology  
5 mL serum - 5 samples  
- Alpha-fetoprotein
- T Uptake
- Cortisol
- T3
- Free T3
- Thyroxine (T4)
- Free T4
- TSH
- HCG, quantitative

120 Chemistry 1  
5 mL serum - 5 samples  
- Bilirubin, total
- Glucose
- Cholesterol
- Triglycerides

121 Chemistry 2  
5 mL serum - 5 samples  
- ALT (SGPT)
- AST (SGOT)
- Bilirubin, direct
- Bilirubin, total
- Chloride
- Cholesterol
- CO₂
- Creatinine
- Glucose
- HDL Cholesterol
- LDL, calculated and measured
- Potassium
- Sodium
- Triglycerides
- Urea Nitrogen (BUN)
- Uric Acid

141 Additional Chemistry  
5 mL serum - Additional sample volume includes analytes in Cat. #122 - 5 samples

409 Serum HCG  
For qualitative serum HCG kits - 5 samples

122 Chemistry 3  
5 mL serum - (OCD Vitros labs performing thyroid tests, see catalog #175. Cholestech users see catalog #176. TIBC (transferrin based calc) see catalog #133) - 5 samples  
- Albumin
- LDH
- Alkaline Phosphatase
- LDL, calc and measured
- Alpha-fetoprotein
- Lipase
- ALT (SGPT)
- Magnesium
- Amylase
- Osmolality
- AST (SGOT)
- Phosphorus
- Bilirubin, direct
- Potassium
- Bilirubin, total
- Sodium
- Calcium, ionized
- Total Protein
- Chloride
- TIBC (iron based calculation)
- Cholesterol
- TIBC, measured
- CO₂
- Triglycerides
- T Uptake
- Free T3
- Thyroxine (T4)
- T3
- Free T4
- TSH
- Iron
- UIBC, measured
- Lactic Acid
- Urea Nitrogen (BUN)
- Uric Acid

176 Lipid Plus - 5  
2 mL serum - for the Cholestech LDX - 5 samples  
- Cholesterol
- LDL Cholesterol, calc.
- Glucose
- Triglycerides
- HDL Cholesterol

976 Lipid Plus - 2  
2 mL serum for the Cholestech LDX - 2 samples  
- Cholesterol
- LDL Cholesterol, calc.
- Glucose
- Triglycerides
- HDL Cholesterol
Chemistry

2015 Shipping Dates: January 26, May 18, September 14

Routine Chemistry

175 Thyroid - Special
5 mL serum - Designed for the Ortho Clinical Diagnostics Vitros analyzers - 5 samples

Free T3  
Thyroxine (T4)  
Triiodothyronine  
TSH  
T Uptake

Cardiac Markers

140 Cardiac Markers
1.5 mL liquid samples (CAP accredited labs must test five samples for all Cardiac Markers except D-dimer and Myoglobin) - 5 samples

BNP  
Myoglobin  
D-dimer  
NT pro-BNP  
CK-MB  
Troponin I  
CK, total  
Troponin T

Therapeutic Drug Monitoring

132 Therapeutic Drugs
5 mL serum - 5 samples

Acetaminophen  
Amikacin  
Carbamazepine  
Digoxin  
Ethosuximide  
Gentamicin  
Lidocaine  
Lithium  
N-acetylpromazine  
Phenytoin  
Primidone  
Procarbazine  
Quinidine  
Salicylates  
Theophylline  
Tobramycin  
Valproic Acid  
Vancomycin

136 Therapeutic Drugs
Reduced pricing if a Chemistry program is ordered (Cat. #120, 121, 122, or 125) - includes analytes in Cat #132 - 5 samples

124 Therapeutic Drugs - Free
5 mL serum - For laboratories that are measuring the unbound portion of these therapeutic drugs - 5 samples

Carbamazepine (free)  
Phenytoin (free)  
Digoxin (free)  
Valproic Acid (free)

Cardiac Markers

920 Cardiac Markers
1.5 mL liquid samples - 2 samples

BNP  
Myoglobin  
D-dimer  
NT pro-BNP  
Troponin I  
Troponin T

165 Additional Cardiac Markers
1.5 mL - For laboratories that need more sample volume - 5 samples

246 D-dimer - Quantitative
(Shipping dates: March 23, July 13, Nov. 9)
For quantitative D-dimer methods - 2 samples

425 High Sensitivity CRP
(Shipping dates: April 20, August 10, Dec. 7)
For high sensitivity CRP procedures that measure levels between 0 - 1.5 mg/dL - 2 samples

hsCRP

► Analyte is not CAP accepted.
Blood Gas and Oximetry

111 Blood Gas
3 mL ampule (for i-STAT see Cat. #145) - 5 samples
- pH
- pCO₂
- pO₂

112 Blood Gas Plus
3 mL ampule - for combination blood gas / electrolyte analyzers with or without hematocrit option (for i-STAT see Cat. #145) - 5 samples
- pH
- pCO₂
- pO₂
- BUN
- Calcium, ionized
- Chloride
- Creatinine
- Glucose

114 Blood Oximetry
2 mL ampule - hemoglobin source is bovine - 5 samples
- Carboxyhemoglobin
- Hematocrit, calculated
- Hemoglobin, total
- Methemoglobin
- Oxyhemoglobin

Miscellaneous Chemistry

137 Alcohol
2 mL serum - for quantitative alcohol and qualitative acetone (ketone) testing such as Siemens (Bayer) Acetest (For quantitative Beta-hydroxybutyrate or B-Ketone see Cat. #174) - 5 samples
- Acetone
- Alcohol

138 Ammonia
2 mL serum - 2 samples
- Ammonia

166 Amniotic Fluid pH
For Nitrazine methods - 2 samples
- pH (nitrazine)
- pH (interpretation)

130 Apolipoproteins
3 mL lyophilized serum - 2 samples
- Apolipoprotein A1
- Lipoprotein (a)
- Apolipoprotein B

174 B-Ketone
1 mL liquid - for quantitative Beta-hydroxybutyrate testing performed on chemistry analyzers or whole blood glucometers. (For qualitative testing using Siemens Acetest, see Cat. #137) - 2 samples
- Beta-hydroxybutyrate

173 Blood Lead (Waived)
Designed for the LeadCare II Blood Lead Test Kit - 2 samples
- Lead

► Analyte is not CAP accepted.
Chemistry

2015 Shipping Dates: January 26, May 18, September 14

144 Chemistry (Waived)
5 mL serum - for laboratories performing these tests using waived methods (for Cholestech, see Cat #976) - 2 samples

- Albumin
- Alkaline Phosphatase
- ALT (SGPT)
- Amylase
- AST (SGOT)
- Bilirubin, total & direct
- Calcium
- Chloride
- Cholesterol
- CO₂
- Creatine Kinase (CK)
- Creatinine
- GGT
- Glucose
- HDL Cholesterol
- LDL calc./measured
- Phosphorus
- Potassium
- Total Protein
- Triglycerides
- Urea Nitrogen (BUN)
- Uric Acid

126 Glycohemoglobin
0.7 mL hemolysate (CAP accredited labs using a non-waived method must test five samples for glycohemoglobin) - 5 samples

Glycohemoglobin (as HbA1c)

179 Additional Glycohemoglobin
0.7 mL hemolysate – for laboratories that need more sample volume for Cat. #126 - 5 samples

127 Glycohemoglobin
0.7 mL hemolysate (for Axis-Shield Afinion, see Cat. #134) (CAP accredited labs see Cat. #126) - 2 samples

Glycohemoglobin (as HbA1c)

167 Additional Glycohemoglobin
0.7 mL hemolysate - for laboratories that need more sample volume for Cat. #127 - 2 samples

134 Glycohemoglobin - whole blood
Designed for the Axis-Shield Afinion - 2 samples

Glycohemoglobin (as HbA1c)

128 HemoCue
1 mL whole blood - 5 samples

Glucose

Hemoglobin

928 HemoCue
1 mL whole blood - 2 samples

Glucose

Hemoglobin

170 Cystatin C
(Shipping Dates: Jan. 26, Sept. 14)
1 mL serum - 2 samples

Cystatin C

142 Fetal Fibronectin
1 mL - 2 samples

fFN

131 Fetal ROM
0.5 mL simulated amniotic fluid for ROM. Compatible with AmniSure ROM Test and Clinical Innovations ROM Plus - 2 samples

Fetal Membranes Rupture Test

135 Fructosamine
1 mL serum - 2 samples

Fructosamine
## Miscellaneous Chemistry

### Immunoassay
5 mL serum - 2 samples
- CEA
- DHEA-S
- Estradiol
- Estriol
- FSH
- Ferritin
- Folate
- Homocysteine
- LH
- PAP
- PSA, total
- Prolactin
- Prealbumin
- Progesterone
- Testosterone
- TIBC (transferrin based calc)
- Tranferrin
- Vitamin B12

### Immunoassay 2
(Shipping dates: Jan. 26, Sept. 14)
2 mL lyophilized samples - 3 samples
- C-peptide
- Insulin

### i-STAT Chemistry
3 mL ampules - for laboratories using the i-STAT for waived testing or non-scored analytes only - 2 samples
- Calcium, ionized
- Chloride
- tCO₂
- Creatinine
- Glucose
- Hematocrit
- Hemoglobin
- Lactate
- Potassium
- Sodium
- Urea Nitrogen (BUN)
- Vitamin B12

### i-STAT Chemistry (Waived)
3 mL ampules - for laboratories using the i-STAT for waived testing or non-scored analytes only - 2 samples
- Calcium, ionized
- Chloride
- tCO₂
- Creatinine
- Glucose
- Hematocrit
- Hemoglobin
- Lactate
- Potassium
- Sodium
- Urea Nitrogen (BUN)

### Neonatal Bilirubin
1 mL serum - bilirubin levels targeted to be representative of those seen in newborns - 5 samples
- Bilirubin, direct
- Bilirubin, total

### Neonatal Bilirubin
1 mL serum – Laboratories testing total bilirubin in this program must also be enrolled in a 5 sample Chemistry program - 2 samples
- Bilirubin, direct
- Bilirubin, total

### Procalcitonin
Lyophilized samples - 2 samples
- Procalcitonin

### SHBG and Testosterone
2 mL lyophilized serum - 2 samples
- Sex Hormone Binding Globulin
- Testosterone, Bioavailable
- Testosterone, Total
- Testosterone, Free

➤ Analyte is not CAP accepted.
### Miscellaneous Chemistry

**150 Tumor Markers**
2 mL serum - 2 samples
- Beta-2 Microglobulin
- CA 27.29
- CA 125
- CA 15-3
- CA 19-9
  ▶ PSA, complexed
  ▶ Thyroglobulin

**123 Whole Blood Glucose**
2 mL whole blood - For blood glucose meters. Facilities using more than one meter may report up to 20 sets of results - 5 samples

Glucose

**918 Whole Blood Glucose**
2 mL whole blood - For blood glucose meters. Facilities using more than one meter may report up to 20 sets of results - 2 samples

Glucose

### Urine Chemistry and Body Fluid Analysis

**205 Body Fluid Cell Count – B**
*(Shipping dates: March 23, July 13, Nov. 9)*
For Siemens Advia 120/2120 (for manual counts see Cat. #149) - 1 sample

- RBC
- WBC

**206 Body Fluid Cell Count – C**
*(Shipping dates: March 23, July 13, Nov. 9)*
For Abbott, Coulter, and Sysmex analyzers (for manual counts see Cat. #149) - 1 sample

- RBC
- WBC

**207 Body Fluid Cell Count – I**
*(Shipping dates: March 23, July 13, Nov. 9)*
For Iris IQ® - (for manual counts see Cat. #149) - 1 sample

- RBC
- Nucleated Cells

**168 Body Fluid Microscopy**
2 photographs for the identification of crystals and other formed elements/cells in various body fluids

Identification of formed elements

**163 Sweat Analysis**
Sweat analysis - 2 samples

- Chloride (qual)
  ▶ Osmolality
  ▶ Sodium

- Chloride (quant)
  ▶ Conductivity

► Analyte is not CAP accepted.
149 **CSF & Body Fluid Analysis**

- **CSF Chemistry**
  - Albumin
  - Chloride
  - Glucose
  - IgG

- **Body Fluid Chemistry**
  - Albumin
  - Amylase
  - Cholesterol
  - Creatinine
  - Glucose

- **Cell Count**
  - RBC
  - WBC

- **Body Fluid Crystals**
  - Crystals

148 **Ethyl Glucuronide**

5 mL urine – for qualitative testing - 2 samples

*Ethyl glucuronide (EtG)*

236 **Microalbumin**

3 mL urine – for semi-quantitative dipstick or quantitative analysis. Recommended for Afinion users (if your lab is performing other urine chemistry tests in addition to microalbumin and/or creatinine, see Cat. #143) - 2 samples

*Microalbumin*

146 **Urine Adulteration Test**

10 mL urine – for laboratories performing qualitative or quantitative tests for urine adulteration (for Urine Drug Screen see Cat. #139) - 2 samples

- Creatinine
- Nitrite
- Oxidants
- Specific Gravity
- pH

143 **Urine Chemistry**

10 mL urine – for **quantitative** analysis (if your lab is performing only microalbumin and/or creatinine, or for the Afinion microalbumin, see Cat. #236) - 2 samples

- Amylase
- Osmolality
- Calcium
- Phosphorus
- Chloride
- Potassium
- Creatinine
- Sodium
- Glucose
- Total Protein
- Urea Nitrogen
- Urea Nitrogen

139 **Urine Drug Screen**

10 mL urine – for laboratories performing drug screens using immunoassay methods - 2 samples

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

► Analyte is not CAP accepted.
### 2 and 3-Part Differential Programs

**221 Hematology – 3**  
For automated techniques including 2 and 3-part differential; manual procedures for hematocrit, WBC (ammonium oxalate only), and platelet count. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
<th>Hematocrit</th>
<th>RBC</th>
<th>Hemoglobin</th>
<th>RDW</th>
<th>MCV</th>
<th>WBC</th>
</tr>
</thead>
</table>

**227 Hematology – 3S**  
For the Sysmex KX Series, pocH-100i, and XP-300. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
<th>Hematocrit</th>
<th>RBC</th>
<th>Hemoglobin</th>
<th>RDW-CV</th>
<th>MCV</th>
<th>WBC</th>
</tr>
</thead>
</table>

**222 QBC Hematology**  
For the QBC Analyzer - 5 samples

| Granulocytes | Lymph/Mono | Hematocrit | Platelet Count | Hemoglobin | WBC |

### 5-Part Differential Programs

**231 Hematology – 5A**  
For the Horiba Medical Pentra 60, 60+, 80, 120; Coulter AcT 5-Diff. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
<th>Hematocrit</th>
<th>RBC</th>
<th>Hemoglobin</th>
<th>RDW</th>
<th>MCV</th>
<th>WBC</th>
</tr>
</thead>
</table>

**240 Hematology – 5B**  
For the Siemens Advia 120 and 2120. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
<th>Hematocrit</th>
<th>RBC</th>
<th>Hemoglobin</th>
<th>RDW</th>
<th>MCV</th>
<th>WBC</th>
</tr>
</thead>
</table>

**230 Hematology – 5C**  
For the Coulter GEN-S, HmX, LH 500, LH 700 series, MAXM, STKS, and UniCel DxH. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
<th>Hematocrit</th>
<th>RBC</th>
<th>Hemoglobin</th>
<th>RDW-CV</th>
<th>MCV</th>
<th>RDW-SD</th>
<th>nRBC</th>
<th>Reticulocyte Count</th>
<th>WBC</th>
</tr>
</thead>
</table>

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All analytes or modules in bold type are regulated for proficiency testing by CMS. They are designed for testing sites required by CLIA ’88 to be enrolled in proficiency testing. Each program is shipped 3 times a year, unless otherwise noted.
### Hematology – 5D
For the Abbott Cell-Dyn 3000-3700, 4000, Ruby, and Sapphire. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit</td>
<td>RBC</td>
</tr>
<tr>
<td>Hemoglobin</td>
<td>RDW</td>
</tr>
<tr>
<td>IRF</td>
<td>Reticulocyte Count</td>
</tr>
<tr>
<td>MCV</td>
<td>WBC</td>
</tr>
</tbody>
</table>

### Hematology – 5E
For the Drew Excell 22 and 2280 - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit</td>
<td>RBC</td>
</tr>
<tr>
<td>Hemoglobin</td>
<td>RDW</td>
</tr>
<tr>
<td>MCV</td>
<td>WBC</td>
</tr>
</tbody>
</table>

### Hematology – 5S
For all Sysmex XE, XN, XS, and XT analyzers. Tubes have pierceable caps - 5 samples

<table>
<thead>
<tr>
<th>Automated Differential</th>
<th>Platelet Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit</td>
<td>RET-He</td>
</tr>
<tr>
<td>Hemoglobin</td>
<td>Reticulocyte Count</td>
</tr>
<tr>
<td>IG# and IG%</td>
<td>RBC</td>
</tr>
<tr>
<td>IPF</td>
<td>RDW-CV</td>
</tr>
<tr>
<td>IRF</td>
<td>RDW-SD</td>
</tr>
<tr>
<td>MCV</td>
<td>WBC</td>
</tr>
</tbody>
</table>

### Blood Cell Identification
For laboratories that perform 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 Identification to be sent to CMS, enroll in Cat #224. If you would like your score for automated differential to be sent to CMS, enroll in Cat #225. Please call us if you have any questions.

#### Blood Cell ID (CMS Scored)
Five graded and two educational photographs for identification of peripheral blood cells; includes access to virtual slides online through API ImageViewer™. Scores for this program will be sent to CMS.

#### Blood Cell ID (Not CMS Scored)
Five graded and two educational photographs for identification of peripheral blood cells; includes access to virtual slides online through API ImageViewer™. Scores for this program will not be sent to CMS.

#### Advanced Blood Cell ID (Virtual)
A virtual image of a Wright’s stained peripheral blood smear for blood cell identification. One case study per Test Event; each will include seven cells/objects chosen for identification and an educational commentary. This is an educational opportunity designed to offer case studies that are more challenging and complex.
Hematology

229 Flow Cytometry
Lymphocyte phenotyping - 2 samples
- CD3 (T Cells)
- CD4 (T Helper)
- CD8 (T Cytotoxic)
- CD19 (B Cells)
- CD45 (Leukocytes)
- CD56 / CD16+56 (NK Cells)

223 Reticulocyte Count
Manual (new methylene blue stain only) and auto retic techniques - 2 samples
Reticulocyte Count

228 Sedimentation Rate – A
Manual & automated methods (Polymedco Sedimat 15 - see Cat. #201, HemaTechnologies ESR STAT - See Cat. #202) - 2 samples
Sedimentation Rate

201 Sedimentation Rate – B
For the Polymedco Sedimat 15, 15 Plus - 2 samples
Sedimentation Rate

202 Sedimentation Rate – C
For the HemaTechnologies ESR STAT Plus, ESR STAT 180 - 2 samples
Sedimentation Rate

237 Sickle Cell Screen
For both screening kits and electrophoresis screening methods - 2 samples
Sickle Cell Screen

Analyte is not CAP accepted.

Andrology

154 Antisperm Antibody
Human serum for antisperm antibody - 2 samples
- Antisperm Antibody

162 Post-Vasectomy Sperm Analysis
0.15 mL liquid samples for post-vasectomy sperm analysis - 2 samples
Sperm Count
- Sperm, presence/absence

151 Sperm Count
0.15 mL stabilized human sperm - 2 samples
Sperm Count

152 Sperm Morphology
1 unstained semen smear; 1 virtual photograph for specific sperm morphology
Sperm Morphology

161 Sperm Motility
A CD-ROM with video footage for sperm motility and progressive motility - 2 samples
Sperm Motility
- Sperm Progressive Motility

153 Sperm Viability
Eosin–Nigrosin stained smears - 2 samples
Sperm Viability

2015 Shipping Dates: March 23, July 13, November 9

2015 Shipping Dates: March 23, July 13, November 9

Andrology
Coagulation

All analytes or modules in bold type are regulated for proficiency testing by CMS. They are designed for testing sites required by CLIA ’88 to be enrolled in proficiency testing. Each program is shipped 3 times a year, unless otherwise noted.

217 Coagulation

1 mL lyophilized plasma; for plasma-based coagulation analyzers - 5 samples

APTT       INR
Fibrinogen     Prothrombin Time

214 CoaguChek XS Plus

For the Roche CoaguChek XS Plus and XS Pro. Laboratories using the CoaguChek XS should contact Roche - 5 samples

INR
Prothrombin Time

914 CoaguChek XS Plus

For laboratories using the CoaguChek XS Plus and XS Pro as a secondary method - 2 samples

INR
Prothrombin Time

245 D-dimer - Qualitative

For qualitative D-dimer methods - 2 samples

D-dimer

246 D-dimer - Quantitative

For quantitative D-dimer methods - 2 samples

D-dimer

249 Hemochron Jr. Citrate PT

For the Hemochron Jr. II, Signature, Signature +, Signature Elite; for use with Citrate cuvette - 5 samples

INR
Prothrombin Time

► Analyte is not CAP accepted.

252 Hemochron Jr. Citrate APTT

For the Hemochron Jr. II, Signature, Signature +, Signature Elite; for use with Citrate cuvette - 5 samples

► APTT

250 Hemochron Jr. PT

For the Hemochron Jr. II, Signature, Signature +, Signature Elite, IL Gem PCL, and Gem PCL Plus; for use with whole blood - 5 samples

INR
Prothrombin Time

915 ITC ProTime

For the ITC ProTime instrument only - 2 samples

INR

216 i-STAT/CoaguSense PT / INR

For the i-STAT PCA, i-STAT I, and Coag-Sense (CoaguSense) - 5 samples

INR
Prothrombin Time

211 Activated Clotting Time

For the Hemochron Response, 801, Helena Laboratories Actalyke, and Cascade POC - 5 samples

Activated Clotting Time

916 Activated Clotting Time

For the Hemochron Response, 801, Helena Laboratories Actalyke, and Cascade POC - 2 samples

Activated Clotting Time

212 Activated Clotting Time

For the Medtronic ACT and HMS Plus - 5 samples

Activated Clotting Time

2015 Shipping Dates: March 23, July 13, November 9
Coagulation

2015 Shipping Dates: March 23, July 13, November 9

917 Activated Clotting Time
For the Medtronic ACT and HMS Plus - 2 samples

247 Hemochron Jr. ACT - LR
For the Hemochron Jr., Signature, Signature +, Signature Elite, and IL Gem PCL; for use with ACT-LR cuvette - 2 samples

248 Hemochron Jr. ACT +
For the Hemochron Jr., Signature, Signature +, Signature Elite, and IL Gem PCL; for use with ACT + cuvette - 2 samples

215 i-STAT ACT
For the i-STAT analyzer - 2 samples

254 Platelet Function - IIb/IIIa Test
For glycoprotein IIb/IIIa inhibition. Designed for use with the Accumetrics VerifyNow System - 2 samples

255 Platelet Function - Aspirin Test
For aspirin-induced inhibition. Designed for use with the Accumetrics VerifyNow System - 2 samples

256 Platelet Function - PRU Test
For P2Y12 inhibition (Plavix® and Effient®). Designed for use with the Accumetrics VerifyNow System - 2 samples

244 Thromboelastogram
For the Haemoscope Thromboelastograph® and TEM International ROTEM® analyzers - 3 samples

GP IIb/IIIa inhibition

Aspirin induced inhibition

P2Y12 inhibition
Urinalysis, PPM, and Other Tests

232 Urinalysis, HCG & FOB
One 10 mL urine sample for dipstick analysis and sediment microscopy; one simulated stool sample for fecal occult blood. HCG is intended for waived methods. For automated urine microscopy see Cat. #270 and 271. For Iris dipsticks, see Cat. #272

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

* Urine sediment microscopy for RBCs and WBCs

272 Urinalysis-I, HCG & FOB
One 10 mL urine sample for Iris iChem, iVelocity, and vChem dipstick analysis; one simulated stool sample for fecal occult blood. HCG is intended for waived methods. For automated urine microscopy see Cat. #270 and 271

- Bilirubin
- Nitrite
- Bilirubin, confirmatory
- pH
- Blood/Hemoglobin
- Protein
- Fecal Occult Blood
- Protein, confirmatory
- Glucose
- Reducing Substance
- HCG
- Specific Gravity
- Ketones
- Urobilinogen

235 Urine HCG - Qualitative
(Shipping dates: January 26, May 18, September 14)
For non-waived latex agglutination kits or laboratories that wish to test 5 samples

- HCG

251 Waived and PPM Package
For waived methods and commonly performed office procedures. HemoCue users see Cat. #128/928. For KOH preparations of skin, hair, or nails, see Cat. #333. The numbers shown to the right indicate the number of challenges per test event.

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

258 Urine Eosinophils
One photograph for presence or absence of urine eosinophils (microscopic)

- Urine Eosinophils

* CAP accredited laboratories should also enroll in Cat. #233 or 234 if they perform urine sediment microscopic examinations.
Urinalysis, PPM, and Other Tests

2015 Shipping Dates: March 23, July 13, November 9

270 Automated Urine Microscopy - I
Designed for IRIS instruments - 1 sample
- Crystals
- WBC
- Non-Squamous Epithelial Cells
- RBC

271 Automated Urine Microscopy - S
Designed for Sysmex and the Arkray Aut ion AU-4050 - 1 sample
- Bacteria
- Epithelial Cells
- Casts
- RBC
- Crystals
- WBC

261 Fecal Lactoferrin
For qualitative detection of fecal lactoferrin - 2 samples
- Fecal Lactoferrin

239 Gastric Occult Blood
For gastric occult blood and pH - 2 samples
- Gastric Occult Blood
- pH

233 Provider-Performed Microscopy
Photographs for provider-performed microscopy; one of each type per shipment.
For KOH preparations of skin, hair, or nails, see Cat. #333
- Fecal WBC
- Sperm, presence/absence
- Fern Test
- Urine Sediment
- Nasal Smear
- Vaginal Wet Prep
- Pinworm Preparation
- Vaginal Wet Prep (KOH)

260 Rapid Urease
(Shipping dates: March 2, October 19)
Simulated gastric biopsy samples for use with CLOtest, PyloriTek, or similar methods - 3 samples
- Urease
To meet CLIA ‘88 requirements, you must test a total of 5 regulated challenges per test event for each Microbiology sub-specialty in which testing is performed. The sub-specialties for Microbiology are: Bacteriology, Mycobacteriology, Mycology, Parasitology, and Virology.

The regulated challenges are in bold print below each program. The five specimens may be for just one procedure (e.g., Gram stain) or from a variety such as Gram stain, bacterial identification, susceptibility testing, or bacterial antigen detection. Susceptibility testing counts as one challenge regardless of the number of drugs reported. Please note: The urine colony count is not a regulated challenge, and cannot be included as one of the five challenges for the Bacteriology sub-specialty.

### Bacteriology Packages

#### 321 Bacteriology Package 1
For sites performing non-waived Group A Strep Antigen testing, Throat Culture, and Urine Cultures. The numbers shown to the right indicate the number of challenges per test event. (Molecular techniques see Cat. 364/964)

- **Grp A Strep Antigen (2)**
- **Susceptibility Testing (1)**
- **Urine Colony Count (1)**
- **Throat Culture (2)**

#### 325 Bacteriology Package 2
For sites performing non-waived Group A Strep Antigen testing and Urine Cultures. The numbers shown to the right indicate the number of challenges per test event.

- **Group A Strep Antigen (3)**
- **Susceptibility Testing (1)**
- **Urine Colony Count (2)**
- **Urine Culture (2)**

#### 326 Bacteriology Package 3
For sites performing non-waived Group A Strep Antigen testing and Throat Culture. The numbers shown to the right indicate the number of challenges per test event. (Molecular techniques see Cat. 364/964)

- **Grp A Strep Antigen (3)**
- **Throat Culture (2)**

#### 327 Bacteriology Package 4
For sites performing Throat and Urine Cultures. The numbers shown to the right indicate the number of challenges per test event. (Molecular techniques see Cat. 364/964)

- **Susceptibility Testing (1)**
- **Urine Culture (2)**
- **Urine Colony Count (2)**
- **Throat Culture (3)**

#### 328 Comprehensive Bacteriology
For sites performing a variety of bacteriology procedures. The numbers shown to the right indicate the number of challenges sent per year. (Molecular methods see Cat. 364/964, 365/965, 366 and 367)

- **Blood Culture (1)**
- **Susceptibility Testing (3)**
- **CSF Culture (1)**
- **Throat Culture (1)**
- **Campy Antigen (2)**
- **Urine Culture (3)**
- **Ear/Eye Culture (1)**
- **Urine Colony Count (3)**
- **Gram Stain (15)**
- **Wound Culture (2)**
- **Grp A Strep Antigen (3)**
  (aerobic & anaerobic)
- **N. gon/Grp B Stp Culture (2)**
- **Stool Culture (2)**
- **Sputum Culture (2)**
- **Educational Culture and Susceptibility (3)**
Microbiology

2015 Shipping Dates: March 2, June 22, October 19

Bacteriology Programs

361 Blood Culture
*(Shipping Dates: March 2, Oct. 19)*
For aerobic and anaerobic Blood Cultures. Use as an add-on to other Bacteriology programs
- 2 samples

Blood Culture

363 Bordetella pertussis
For laboratories using molecular methods for *Bordetella pertussis*
- 2 samples

*Bordetella pertussis*

350 C. difficile Toxin or Antigen
Liquid samples for *C. difficile* antigen or toxin test kits and molecular methods - 5 samples

*C. difficile Toxin or Antigen*

347 C. difficile Toxin or Antigen
Liquid samples for *C. difficile* antigen or toxin test kits and molecular methods; for use as an add-on to other Bacteriology programs
- 2 samples

*C. difficile Toxin or Antigen*

360 Campylobacter
For detection of *Campylobacter* sp. using antigen or culture. Use as an add-on to other Bacteriology programs - 2 samples

*Campylobacter sp.*

316 Chlamydia Antigen
Liquid samples for *Chlamydia* antigen detection kits - 5 samples

*Chlamydia Antigen*

930 Chlamydia Antigen
Liquid samples for *Chlamydia* antigen detection kits; use as an add-on to other Bacteriology programs - 2 samples

*Chlamydia Antigen*

320 Gram Stain
Fixed prepared glass slides for Gram stain and morphology - 5 samples

*Gram Stain*

330 Additional Gram Stain
An additional set of slides may be purchased for internal use such as competency testing

329 Gram Stain - Direct Smears
Virtual images of Gram stained direct smears from sources including sputum, CSF, and wound. Not CMS scored - 2 samples

*Gram Stain*

312 Group A Strep Antigen
Swabs for rapid Group A Strep antigen detection kits - 5 samples

*Group A Strep Antigen*

912 Group A Strep Antigen
Swabs for rapid Group A Strep antigen detection kits. Use as an add on to other Bacteriology programs or for waived methods
- 2 samples

*Group A Strep Antigen*

340 Legionella Antigen
Urine samples for *Legionella* antigen detection kits. Use as an add-on to other Bacteriology programs - 2 samples

*Legionella Antigen*
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>356</td>
<td><strong>MRSA Culture</strong>&lt;br&gt;1 Swab for laboratories using culture methods for MRSA. For use as an add-on to other Bacteriology programs&lt;br&gt;&lt;br&gt;<em>Methicillin Resistant Staphylococcus aureus</em></td>
</tr>
<tr>
<td>366</td>
<td><strong>MRSA (molecular)</strong>&lt;br&gt;1 swab suitable for molecular methods. For use as an add-on to other Bacteriology programs&lt;br&gt;&lt;br&gt;<em>Methicillin Resistant Staphylococcus aureus</em></td>
</tr>
</tbody>
</table>
| 315    | **N. gonorrhoeae/Group B Strep**<br>Culture for *N. gonorrhoeae* and Group B Strep. (Molecular methods see Cat. 365/965)<br>- 5 samples<br><br>*N. gonorrhoeae Culture*  
  *Group B Strep Culture* |
| 365    | **Group B Strep (molecular)**<br>Molecular methods for Group B Strep<br>- 5 samples<br><br>*Group B Strep* |
| 929    | **N. gonorrhoeae/Group B Strep**<br>Culture for *N. gonorrhoeae* and Group B Strep. For use as an add-on to other Bacteriology programs. (Molecular methods see Cat. 365/965)<br>- 2 samples<br><br>*N. gonorrhoeae Culture*  
  *Group B Strep Culture* |
| 965    | **Group B Strep (molecular)**<br>Molecular methods for Group B Strep. For use as an add-on to other Bacteriology programs<br>- 2 samples<br><br>*Group B Strep* |
| 364    | **Strep pyogenes (molecular)**<br>Swabs for laboratories using molecular methods for Group A Strep - 5 samples<br><br>*Strep pyogenes* |
| 964    | **Strep pyogenes (molecular)**<br>Swabs for laboratories using molecular methods for Group A Strep. Use as an add-on to other Bacteriology programs - 2 samples<br><br>*Strep pyogenes* |
| 311    | **Nucleic Acid C/GC**<br>Swabs for laboratories using molecular methods for Group A Strep - 2 samples<br><br>*N. gonorrhoeae*  
  *Chlamydia trachomatis*  
  *N. gonorrhoeae* |
| 341    | **S. pneumoniae Antigen**<br>Urine samples for *S. pneumoniae* antigen detection kits; use as an add-on to other Bacteriology programs - 2 samples<br><br>*S. pneumoniae Antigen* |
| 343    | **Shiga Toxin**<br>For Shiga Toxins 1 and 2 - 1 sample<br><br>*Shiga Toxin* |
| 313    | **Throat Culture**<br>For culture methods only. (Molecular methods for Strep pyogenes see Cat. 364/964)<br>- 5 samples<br><br>*Throat Culture* |
| 362    | **Trichomonas**<br>Liquid samples for the Hologic Gen Probe APTIMA and Sekisui OSOM Trichomonas Rapid Test methods. (See Cat. # 324 for the Becton Dickinson Affirm VP III)<br>- 5 samples<br><br>*Trichomonas vaginalis* |
| 924    | **Urine Colony Count**<br>Techniques (including screening tubes, paddles, and agar plates) for bacterial colony count - 2 samples<br><br>*Urine Colony Count* |
314 **Urine Culture**  
Culture (including screening tubes, paddles, and agar plates) for bacterial colony count and/or ID; 1 antimicrobial susceptibility test can be performed - 5 samples  
**Susceptibility Testing**  
**Urine Culture**

324 **Vaginitis Screen**  
Swabs for the BD Affirm VP III. (See Cat. # 362 for Hologic Gen Probe APTIMA and Sekisui OSOM Trichomonas Rapid Test methods) - 5 samples  
*Candida sp.*  
*Gardnerella vaginalis*  
*Trichomonas vaginalis*

357 **VRE Culture**  
1 Swab suitable for culture methods for VRE. For use as an add-on to other Bacteriology programs  
*Vancomycin Resistant Enterococci*

367 **VRE (molecular)**  
1 swab for molecular methods for VRE. For use as an add-on to other Bacteriology programs  
*Vancomycin Resistant Enterococci*

### Mycobacteriology

335 **Acid Fast Smears**  
*(Shipping Dates: March 9, Aug. 24)*  
Fixed prepared glass slides - 5 samples  
*Acid Fast Smears*

344 **Mycobacteriology Culture**  
*(Shipping Dates: March 9, Aug. 24)*  
For culture and ID of mycobacteria - 5 samples  
**Mycobacteriology Identification**  
**Mycobacteriology Susceptibility Testing**

### Mycology

317 **Candida Culture**  
For *Candida* culture - 5 samples  
*Candida Culture*

345 **Cryptococcal Antigen**  
For Cryptococcal antigen detection - 2 samples  
*Cryptococcal Antigen*

332 **Dermatophyte Culture**  
*(Shipping dates: Feb. 2, May 26, Sept. 8)*  
For culture methods for dermatophytes - 5 samples  
*Dermatophyte Culture*

339 **India Ink**  
For presence or absence of encapsulated yeast using India Ink methods - 2 liquid samples  
*India Ink*

333 **KOH Preparation**  
Prepared glass slides to represent a KOH examination of skin, nail or hair - 2 samples  
*KOH Preparation*
Microbiology

2015 Shipping Dates: March 2, June 22, October 19

331 Mycology Culture
(Shipping dates: Feb. 2, May 26, Sept. 8)
Samples for culture and identification of yeasts and molds - 5 samples

Mycology Culture

Parasitology

342 Giardia & Cryptosporidium Antigens
For EIA & DFA tests - 5 liquid samples
Cryptosporidium Antigen
Giardia Antigen

334 Parasitology
For labs performing a variety of parasitology tests; formalin concentrates for direct examination and modified acid fast stain (for Cryptosporidium antigen see Cat. #342/932), PVA slide is zinc-based. The numbers shown to the right indicate the number of challenges per test event

Blood Smear Photo (1)  PVA Slide (1)
Formalin Concentrates (2)  Stool Prep Photo (1)

337 Parasite Panel (Triage)
For the Alere Triage Micro Parasite Panel only - 5 samples
Cryptosporidium parvum
Entamoeba histolytica / dispar
Giardia lamblia

Virology

348 Rotavirus
Liquid samples for Rotavirus antigen - 5 samples
Rotavirus Antigen

349 Rotavirus
Liquid samples for Rotavirus antigen; for use as an add-on to other Virology programs - 3 samples
Rotavirus Antigen

322 Virology Package
Liquid samples for Influenza A or B, RSV, and Adenovirus antigen detection kits and molecular techniques for Influenza A or B - 5 samples
Adenovirus  Influenza A or B  RSV

942 Virology Package
Liquid samples for Influenza A or B, RSV, and Adenovirus antigen detection kits and molecular techniques for Influenza A or B; for use as an add-on to other Virology programs - 2 samples
Adenovirus  Influenza A or B  RSV

933 Virology Package (Waived)
Liquid samples for Influenza A or B, RSV, and Adenovirus antigen detection kits. For waived methods - March and October shipments only - 2 samples
Adenovirus  Influenza A or B  RSV
### Immunology

**2015 Shipping Dates:** April 20, August 10, December 7

- **ANA**
  - Designed for ANA methods other than latex agglutination - 5 samples
  - **ANA** Anti-RNP
  - Anti-DNA (ds, ss) Anti-SSA
  - Anti-Sm Anti-SSB

- **ANA (latex kits)**
  - Designed for latex agglutination methods - 5 samples
  - **ANA**

- **Anti-CCP**
  - 1 mL serum - for qualitative, quantitative, and semi-quantitative testing - 2 samples
  - **Anti-Cyclic Citrullinated Peptide**

- **ASO**
  - For qualitative, quantitative, and semi-quantitative (titer) methods - 5 samples
  - **Anti-Streptolysin O**

- **C-Reactive Protein - Qualitative**
  - For qualitative CRP procedures - 2 samples
  - **C-Reactive Protein**

- **C-Reactive Protein - Quantitative**
  - For quantitative CRP procedures that measure levels >1.0 mg/dL - 2 samples
  - **C-Reactive Protein**

- **Diagnostic Allergy**
  - 2 mL serum - For quantitative IgE and specific allergens. Specific allergens may be reported qualitatively or quantitatively. (For additional sample volume, add on Cat. #437) - 5 samples
  - **Total IgE** Specific Allergens

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>421</td>
<td><strong>ANA</strong> Designed for ANA methods other than latex agglutination - 5 samples</td>
</tr>
<tr>
<td>425</td>
<td><strong>High Sensitivity CRP</strong> For hsCRP procedures that measure levels between 0 - 1.5 mg/dL - 2 samples</td>
</tr>
<tr>
<td>407</td>
<td><strong>Immunology Package</strong> Cost savings for sites that perform several of these procedures; ASO, Rubella, and Rheumatoid Factor may be reported as qualitative, quantitative, or as a titer. - 5 samples</td>
</tr>
<tr>
<td>432</td>
<td><strong>Rapid HIV</strong> For laboratories using a rapid method to test for anti-HIV and/or HIV-1 p24 antigen. (For Antigen/Antibody Combo methods, see Cat #417 - Viral Markers) - 5 samples</td>
</tr>
<tr>
<td>433</td>
<td><strong>Rapid HIV</strong> For laboratories using a rapid waived method to test for anti-HIV and/or HIV-1 p24 antigen. (For other Antigen/Antibody methods, see Cat #417 - Viral Markers) - 2 samples</td>
</tr>
</tbody>
</table>

All analytes or modules in bold type are regulated for proficiency testing by CMS. They are designed for testing sites required by CLIA ’88 to be enrolled in proficiency testing. Each program is shipped 3 times a year, unless otherwise noted.
417 Viral Markers
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; (see Cat. #432 & 433 for other rapid HIV antibody and antigen methods) - 5 samples

Anti-HAV (total and IgM)  HBsAg
Anti-HBc (total and IgM)  HBsAg Confirmatory
Anti-HBs
Anti-HCV
Anti-HIV-1/2
Anti-HIV-1/2 Confirmatory
Anti-HIV-1/2, p24 Antigen

420 H. pylori Antibody
For kits that detect antibody to Helicobacter pylori - 2 samples
H. pylori Antibody

430 HSV-2 Antibody
For the Biokit HSV-2 rapid test - 2 samples
HSV-2 Antibody

436 Immunoproteins/C3 & C4
For quantitative testing - 5 samples

► Alpha-1-Antitrypsin  IgA
Complement C3  IgG
Complement C4  IgM
Haptoglobin

410 Infectious Mononucleosis
For all infectious mononucleosis kits - 5 samples
Infectious Mononucleosis

910 Infectious Mononucleosis
For waived methods - 2 samples
Infectious Mononucleosis

► Analyte is not CAP accepted.

411 Infectious Mononucleosis & Rheumatoid Factor
Cost savings for labs that perform both tests; RF results may be reported as qualitative, quantitative, or as a titer - 5 samples

Infectious Mono  Rheumatoid Factor

418 Lyme Disease
For kits that detect antibody to Borrelia burgdorferi - 2 samples
Lyme Disease Antibody

428 Mycoplasma Antibody
For kits that detect antibody to Mycoplasma pneumoniae - 2 samples
Mycoplasma Antibody

408 Rheumatoid Factor
For qualitative, quantitative, and semi-quantitative (titer) methods - 5 samples
Rheumatoid Factor

415 Rubella
For qualitative, quantitative, and semi-quantitative (titer) methods - 5 samples
Rubella

416 Syphilis Serology
For qualitative and semi-quantitative (titer) methods for serum and CSF. Designed for RPR, VDRL, FTA, and Treponemal Antibody methods - 5 samples
Syphilis

164 Thyroid Antibodies
2 serum samples
Thyroglobulin antibody (Anti-TG)
Thyroid microsomal antibody (Anti-TPO)
**Immunohematology**

2015 Shipping Dates: April 20, August 10, December 7

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### 511 ABO/Rh

4% cell suspensions for ABO/Rh testing  
- 5 samples  

- **ABO grouping**  
- **Rh typing**

### 512 Blood Bank

Includes five 2 mL samples of a 4% red cell suspension and five 3 mL samples of corresponding serum. In addition, one 2 mL donor red cell suspension is included for compatibility testing and antigen typing. See page 26 for verification program options  

- **ABO grouping**  
- **Antigen typing**  
- **Antibody Identification**  
- **Compatibility Testing**  
- **Antibody Screen**  
- **Rh typing**

### 532 Electronic Crossmatch

Includes two donor red cell suspension (4%), and two simulated ISBT donor unit labels. For use as a companion program to Cat #512 - Blood Bank  

- **Compatibility Testing**

### 514 DAT

4% cell suspensions for DAT - 2 samples  

- **Direct Antiglobulin Testing**

### 515 Fetal RBC

Whole blood for fetal screen, Kleihauer-Betke, and flow cytometry - 2 samples  

- **F Cell Value (by flow cytometry)**  
  - **Fetal Screen**  
  - **Hemoglobin F, quantitative**

### 513 Rh Slide Test

35 - 45% cell suspensions for sites that use slide methodology or Eldoncards for Rh typing  
- 5 samples  

- **Rh typing**

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### 516 Antibody Elution

50% cell suspension for antibody elution (for non-ABO antibodies) - 1 sample  

- **Antibody Elution**

### 519 Antibody Titer - A

*(Shipping Dates: April 20, Dec. 7)*  
One serum sample (2 mL) for anti-A titer, one red cell (4% suspension) sample to be used as titer cell  

- **Anti-A (IgM and IgG) titer**

### 520 Antibody Titer - D

*(Shipping Dates: April 20, Dec. 7)*  
One serum sample (2 mL) for anti-D titer, one red cell (4% suspension) sample to be used as titer cell  

- **Anti-D titer**

### 521 Antibody Titer - AD

*(Shipping Dates: April 20, Dec. 7)*  
One serum sample (2 mL) for anti-A titer, one serum sample (2 mL) for anti-D titer, one red cell (4% suspension) sample to be used as titer cell  

- **Anti-A (IgM and IgG) titer**  
- **Anti-D titer**

### 517 Automated Blood Bank

Five tubes of CPD anticoagulated whole blood and one 2 mL donor red cell suspension compatible with Ortho Provue, Immucor Galileo, Immucor Echo, Biotest Tango. See page 26 for verification program options  

- **ABO grouping**  
- **Antigen typing**  
- **Antibody Identification**  
- **Compatibility Testing**  
- **Antibody Screen**  
- **Rh typing**

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► Analyte is not CAP accepted.
Verification Programs for Secondary Instruments

This option is for laboratories wishing to report results for a secondary instrument or method. It is available for certain Blood Bank, Blood Gas, Cardiac Markers, Chemistry, and Hematology programs.

CLIA regulations state that if a laboratory uses multiple methods to test an analyte they should designate one instrument/method as primary for the proficiency test event, and test the proficiency 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 patient specimens. However, laboratories may test proficiency samples with secondary instruments/methods after the PT Event due date.

API’s Verification programs offer laboratories the convenience of using proficiency samples to verify their secondary instruments and methods, while at the same time remaining compliant with CLIA regulations. Samples for Verification will be shipped to participants along with samples for primary instruments; however, participants will be directed to test these samples during a specified period of time after the PT Event due date. Results for these samples are to be submitted online. Laboratories will receive an evaluation, but no results will be reported to regulatory agencies such as CMS, CAP, or The Joint Commission.

Catalog# Program
B12 Blood Bank
B17 Automated Blood Bank
C11 Blood Gas
*C31 Blood Gas - extra
C12 Blood Gas Plus
*C32 Blood Gas Plus - extra
C14 Blood Oximetry
*C33 Blood Oximetry - extra

Catalog# Program
C20 Chemistry 1
C21 Chemistry 2
C22 Chemistry 3
C36 TDM
C40 Cardiac Markers - 5
C41 Cardiac Markers - 2
C45 i-STAT Chemistry - 5
C46 i-STAT Chemistry (Waived)-2

Catalog# Program
S21 Hematology - 3
S27 Hematology - 3S
S30 Hematology - 5C
S31 Hematology - 5A
S38 Hematology - 5S
S40 Hematology - 5B
S41 Hematology - 5E
S42 Hematology - 5D

*One verification program can be ordered at no charge with Cat. #111, 112, and 114 (see Cat. #C11, C12, and C14 above). Additional samples may be purchased at a reduced cost (see Cat. #C31, C32 and C33). Please go to our online order form for a complete price list.
CE Credits and Other Products

Free Continuing Education Credits

Physicians, medical technologists, and technicians enrolled in the API proficiency testing program are eligible to earn FREE continuing education credit through a self-assessment activity in conjunction with the American Society for Clinical Pathology (ASCP).

To earn continuing education credit, participants must answer several study questions in the Continuing Education section of the API website. Questions are taken from ASCP commentaries released with each test event’s evaluation report. The number of CME/CMLE credits that can be earned by each participant depends on the laboratory’s enrollment and the individual’s participation.

For more information, go to our website at 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.

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 medical technologist for more details.

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 medical technologists can give you further information.

Supplemental Products

957 API 3 Ring Binder with Tabs
958 API Binder Tabs
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