



Innovative Solutions.
Technical Excellence.

2011

CATALOG OF PROGRAMS

ACCEPTED BY: CAP • CMS • COLA • TJC



 American
Proficiency
Institute

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 16,000 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 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.



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Enrollment Info

If you have any questions or need assistance in ordering, please contact Customer Service at 800-333-0958. Visit our website, api-pt.com, to view a participant summary.

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
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. Fax the order form to us at 231-941-7287, or
 - b. Phone us at 800-333-0958 and speak with customer service, or
 - c. Mail the order form to us.
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 7 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

Most countries 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 2011

API Proficiency Testing Programs are CAP Accepted!

We are pleased to announce that the College of American Pathologists accepts 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 30 and 31 for a complete listing of CAP accepted analytes. API programs are also accepted by CMS, COLA, TJC, and state regulatory agencies.

New and Enhanced programs for 2011 are:

- Adenovirus
Added to catalog #322, 942, & 933 on page 25
- Automated Urine Microscopy
See catalog #270 & 271 on page 20
- Blood Culture
See catalog #361 on page 23
- Campylobacter Antigen
See catalog #328 & 360 on pages 21, 22
- Cardiac Markers for Secondary Instruments
See catalog #C40 & C41 on page 29
- Hematology - for the Chempaq XBC or XDM
See catalog #243 on page 14
- Lp-PLA2
See catalog #148 on page 11
- Procalcitonin
See catalog #169 on page 9
- Sperm, presence or absence
Added to catalog #233 on page 19
- Urine Adulteration Test
See catalog #146 on page 13

2011 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.

	<u>1st Test Event</u>	<u>2nd Test Event</u>	<u>3rd Test Event</u>
Chemistry/Immunology/Immunochemistry	January 24	May 16	September 12
Hematology/Coagulation/Body Fluids	March 21	July 11	November 7
Microbiology	March 14	July 5	October 31

Creative 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.

- Email is sent to you with shipping dates and package tracking information
- Submit, review and print results online - reports saved 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
- Interactive performance reports help you quickly zero in on problem areas
- Sample testing instructions, failures reports, and corrective action forms available online
- Trend data and graphs
- Participant data summaries available online
- Free Continuing Education credits

Chemistry

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 with 5 samples, unless otherwise noted.

2011 Shipping Dates: January 24, May 16, September 12

Routine Chemistry

Catalog #	Program	Additional Information
120	Chemistry 1 Bilirubin, total Cholesterol	5 mL serum Glucose Triglycerides
121	Chemistry 2 ALT (SGPT) AST (SGOT) Bilirubin, total <i>Bilirubin, direct</i> Cholesterol Chloride <i>CO₂</i> Creatinine	5 mL serum Glucose HDL Cholesterol <i>LDL, calculated and measured</i> Potassium Sodium Triglycerides Urea Nitrogen (BUN) Uric Acid
122	Chemistry 3 Albumin Alkaline Phosphatase Alpha-fetoprotein ALT (SGPT) Amylase AST (SGOT) <i>Bilirubin, direct</i> Bilirubin, total Chloride Calcium Cholesterol <i>CO₂</i> Cortisol Creatine Kinase (CK) Creatinine <i>GGT</i> Glucose HCG, quantitative HDL Cholesterol Iron <i>Lactic Acid</i>	5 mL serum LDH <i>LDL, calculated and measured</i> <i>Lipase</i> Magnesium <i>Osmolality</i> <i>Phosphorus</i> Potassium Sodium Total Protein Theophylline <i>TIBC, calculated and measured</i> Triglycerides T Uptake T3 <i>Free T3</i> Thyroxine (T4) Free T4 TSH <i>UIBC, measured</i> Urea Nitrogen (BUN) Uric Acid
141	Additional Chemistry	For laboratories that need more sample volume; 5 mL; includes all analytes listed in Cat. #122
125	Thyroids, Cortisol & HCG TSH T Uptake T3 <i>Free T3</i>	5 mL serum Thyroxine (T4) Free T4 Cortisol HCG, quantitative

Chemistry

2011 Shipping Dates: January 24, May 16, September 12

Therapeutic Drug Monitoring

Catalog #	Program	Additional Information	
132	Therapeutic Drugs <i>Acetaminophen</i> <i>Amikacin</i> Carbamazepine Digoxin ► Ethosuximide Gentamicin Lithium N-acetylprocainamide Phenobarbital	Phenytoin ► Primidone Procainamide Quinidine <i>Salicylates</i> Theophylline Tobramycin Valproic Acid <i>Vancomycin</i>	5 mL serum
136	Therapeutic Drugs See Catalog #132	Reduced pricing if a Chemistry program is ordered (Cat. #120, 121, 122 or 125). For additional sample volume see Cat. #141	

Cardiac Markers

Catalog #	Program	Additional Information	
140	Cardiac Markers <i>BNP</i> CK, total CK-MB <i>Myoglobin</i>	<i>NT pro-BNP</i> <i>Troponin I</i> <i>Troponin T</i>	Liquid samples, 1 mL
920	Cardiac Markers <i>BNP</i> <i>Myoglobin</i> <i>NT pro-BNP</i>	<i>Troponin I</i> <i>Troponin T</i>	Liquid samples, 1 mL - 2 samples
165	Additional Cardiac Markers	For laboratories that need more sample volume, 1 mL	
246	D-dimer - Quantitative <i>D-dimer</i>	For quantitative D-dimer methods – 2 samples	
425	High Sensitivity CRP <i>hsCRP</i>	For high sensitivity CRP procedures that measure levels between 0 - 1.5 mg/dL – 2 samples	

► Analyte is not CAP accepted. See our website for updates.

Chemistry

2011 Shipping Dates: January 24, May 16, September 12

Blood Gas and Oximetry

Catalog #	Program	Additional Information
111	Blood Gas <i>pH</i> <i>pCO₂</i> <i>pO₂</i>	3 mL ampule
112	Blood Gas Plus <i>pH</i> <i>pCO₂</i> <i>pO₂</i> BUN <i>Calcium, ionized</i> Chloride Creatinine	Glucose Hematocrit ▶ Hemoglobin, calculated <i>Lactate</i> ▶ <i>Magnesium, ionized</i> Potassium Sodium
114	Blood Oximetry <i>Carboxyhemoglobin</i> Hematocrit, calculated Hemoglobin, total	<i>Methemoglobin</i> <i>Oxyhemoglobin</i> 2 mL ampule; hemoglobin source is bovine

Miscellaneous Chemistry

Catalog #	Program	Additional Information
144	Waived Chemistry <i>Albumin</i> <i>Alkaline Phosphatase</i> <i>ALT (SGPT)</i> <i>Amylase</i> <i>AST (SGOT)</i> <i>Bilirubin, total & direct</i> <i>Calcium</i> <i>Chloride</i> <i>Cholesterol</i> <i>CO₂</i> <i>Creatine Kinase (CK)</i>	<i>Creatinine</i> <i>GGT</i> <i>Glucose</i> <i>HDL Cholesterol</i> <i>LDL, calc. & measured</i> <i>Phosphorus</i> <i>Potassium</i> <i>Sodium</i> <i>Total Protein</i> <i>Triglycerides</i> <i>Urea Nitrogen (BUN)</i> <i>Uric Acid</i> 5 mL serum - 2 samples for laboratories performing these tests using methods that are waived
169	Procalcitonin <i>Procalcitonin</i>	2 lyophilized samples

▶ Analyte is not CAP accepted. See our website for updates.

Chemistry

2011 Shipping Dates: January 24, May 16, September 12

Miscellaneous Chemistry

Catalog #	Program	Additional Information
137	Alcohol <i>Acetone</i> Alcohol	2 mL serum; for quantitative alcohol and qualitative acetone (ketone) testing such as Siemens (Bayer) Acetest
138	Ammonia <i>Ammonia</i>	2 mL serum – 2 samples
130	Apolipoproteins <i>Apolipoprotein A1</i> ► <i>Lipoprotein (a)</i> <i>Apolipoprotein B</i>	Lyophilized serum, 2 mL – 2 samples
142	Fetal Fibronectin <i>fFN</i>	1 mL – 2 samples
131	Fetal Membranes Rupture Test <i>PAMG-1</i>	Lyophilized simulated amniotic fluid for the detection of PAMG-1 protein. Compatible with AmniSure ROM Test - 1 sample
135	Fructosamine <i>Fructosamine</i>	1 mL serum – 2 samples
127	Glycohemoglobin <i>Glycohemoglobin (as HbA1c)</i>	0.7 mL hemolysate – 2 samples (for Axis-Shield Afinion, see Cat. #134)
167	Additional Glycohemoglobin	0.7 mL hemolysate - for laboratories that need more sample volume
134	Glycohemoglobin - whole blood <i>Glycohemoglobin (as HbA1c)</i>	Designed for the Axis-Shield Afinion - 2 samples
128	HemoCue <i>Glucose</i> <i>Hemoglobin</i>	1 mL whole blood
928	HemoCue <i>Glucose</i> <i>Hemoglobin</i>	1 mL whole blood – 2 samples
133	Immunoassay <i>CEA</i> <i>PAP</i> <i>DHEA-S</i> <i>PSA, total</i> <i>Estradiol</i> <i>Prolactin</i> ► <i>Estriol</i> <i>Prealbumin</i> <i>FSH</i> <i>Progesterone</i> <i>Ferritin</i> <i>Testosterone</i> <i>Folate</i> <i>Transferrin</i> <i>Homocysteine</i> <i>Vitamin B12</i> <i>LH</i>	5 mL serum – 2 samples
160	Immunoassay 2 <i>C-peptide</i> <i>PTH</i> <i>Insulin</i> <i>25-OH Vitamin D</i>	2 lyophilized samples

► Analyte is not CAP accepted. See our website for updates.

Chemistry

2011 Shipping Dates: January 24, May 16, September 12

Miscellaneous Chemistry

Catalog #	Program		Additional Information
145	i-STAT Chemistry pH pCO₂ pO₂ <i>Calcium, ionized</i> Chloride <i>CO₂</i> Creatinine	Glucose Hematocrit Hemoglobin <i>Lactate</i> Potassium Sodium Urea Nitrogen (BUN)	3 mL ampules (for i-STAT ACT see page 18; for BNP, CK-MB & Troponin I see #140/920 on page 8)
945	i-STAT Chemistry <i>Calcium, ionized</i> <i>Chloride</i> <i>CO₂</i> <i>Creatinine</i> <i>Glucose</i>	<i>Hematocrit</i> <i>Hemoglobin</i> <i>Lactate</i> <i>Potassium</i> <i>Sodium</i> <i>Urea Nitrogen (BUN)</i>	3 mL ampules - 2 samples; for laboratories using the i-STAT for waived testing only
148	Lp-PLA ₂ <i>Lp-PLA₂</i> <i>(Shipping dates Jan. 24, Sept. 12)</i>		0.5 mL - 2 samples; compatible with the diaDexus PLAC [®] Test for Lp-PLA ₂
147	Neonatal Bilirubin <i>Bilirubin, direct</i>	Bilirubin, total	1 mL serum - bilirubin levels targeted to be representative of those seen in newborns
129	Neonatal Bilirubin <i>Bilirubin, direct</i>	<i>Bilirubin, total</i>	1 mL serum – 2 samples; labs testing total bilirubin in this program must also be enrolled in a 5 sample Chemistry program for bilirubin to fulfill CMS requirements
164	Thyroid Antibodies <i>Thyroglobulin antibody (Anti-TG)</i> <i>Thyroid microsomal antibody (Anti-TPO)</i>		2 lyophilized samples
150	Tumor Markers <i>Beta-2 Microglobulin</i> <i>CEA</i> <i>CA 27.29</i> <i>CA 125</i>	<i>CA 15-3</i> <i>CA 19-9</i> <i>PSA (total, ► complexed and free)</i> <i>► Thyroglobulin</i>	2 mL serum – 2 samples
123	Whole Blood Glucose Glucose		For blood glucose meters. Facilities using more than one meter may report up to 20 sets of results. 2 mL whole blood
918	Whole Blood Glucose <i>Glucose</i>		For blood glucose meters. Facilities using more than one meter may report up to 20 sets of results. 2 mL whole blood – 2 samples

► Analyte is not CAP accepted. See our website for updates.

Chemistry

2011 Shipping Dates: January 24, May 16, September 12

Urine Chemistry and Body Fluid Analysis

Catalog #	Program	Additional Information
149	CSF & Body Fluid Analysis CSF Chemistry ▶ Albumin Chloride Glucose ▶ IgG Body Fluid Chemistry Albumin Amylase Cholesterol Creatinine Glucose Cell Count RBC Crystals	Lactic Acid LDH Sodium Total Protein LDH pH Total Protein Triglycerides WBC WBC Differential
		CSF Chemistry – 1 sample; Body Fluid Chemistry – 1 sample; Cell Count – 1 sample (designed for hemocytometer methods only); Body Fluid Crystals – 1 sample
168	Body Fluid Microscopy <i>Identification of formed elements</i>	2 photographs for the identification of crystals and other formed elements/cells in various body fluids.
205	Body Fluid Cell Count – B RBC WBC <i>(Shipping dates March 21, July 11, Nov. 7)</i>	For Siemens (Bayer) Advia 120/2120 – 1 sample (for manual counts see Cat. #149)
206	Body Fluid Cell Count – C RBC WBC <i>(Shipping dates March 21, July 11, Nov. 7)</i>	For Coulter LH 700 series, Sysmex XE-2100 , XT-2000i, Abbott Cell-Dyn 3200, 4000, Sapphire – 1 sample (for manual counts see Cat. #149)
236	Microalbumin <i>Microalbumin Urine Creatinine</i>	3 mL urine – 2 samples for dipstick or quantitative analysis (if your lab is performing other urine chemistry tests in addition to microalbumin and/or creatinine, see Cat. #143 on page 13)
163	Sweat Analysis Chloride (▶ quant) Conductivity	▶ Osmolality ▶ Sodium
		2 samples for sweat analysis

▶ Analyte is not CAP accepted. See our website for updates.

Chemistry

2011 Shipping Dates: January 24, May 16, September 12

Urine Chemistry and Body Fluid Analysis

Catalog #	Program	Additional Information
143	Urine Chemistry <i>Amylase</i> <i>Calcium</i> <i>Chloride</i> <i>Creatinine</i> <i>Glucose</i> <i>Magnesium</i> <i>Microalbumin</i> <i>Osmolality</i> <i>Phosphorus</i> <i>Potassium</i> <i>Sodium</i> <i>Total Protein</i> <i>Urea</i> <i>Uric Acid</i>	10 mL urine – 2 samples for quantitative analysis (if your lab is performing <u>only</u> microalbumin and/or creatinine, see Cat. #236 on page 12)
166	Amniotic Fluid pH <i>pH (nitrazine)</i> <i>pH (interpretation)</i>	For Nitrazine methods - 2 samples
139	Urine Drug Screen <i>Acetaminophen</i> <i>Alcohol</i> <i>Amphetamines</i> <i>Barbiturates</i> <i>Benzodiazepines</i> <i>Buprenorphine</i> <i>Cannabinoids</i> <i>Cocaine Metabolites</i> <i>EDDP</i> <i>LSD</i> <i>MDMA</i> <i>Methadone</i> <i>Methamphetamines</i> <i>Methaqualone</i> <i>Opiates</i> <i>Oxycodone</i> <i>Phencyclidine</i> <i>Propoxyphene</i> <i>Tricyclic Antidepressants</i>	10 mL urine – 2 samples; for laboratories performing drug screens using immunoassay methods
146	Urine Adulteration Test <i>Creatinine</i> <i>Nitrate</i> <i>pH</i> <i>Specific Gravity</i>	Two liquid samples; for laboratories performing qualitative or quantitative tests for urine adulteration (for Urine Drug Screen see Cat. #139).

Hematology

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 with 5 samples, unless otherwise noted.

2011 Shipping Dates: March 21, July 11, November 7

2 and 3-Part Differential Programs

Catalog #	Program		Additional Information
221	Hematology – 3 Hemoglobin Hematocrit Platelet Count Automated Differential	<i>MCV</i> RBC <i>RDW</i> WBC	For automated techniques including 2 and 3-part differential; manual procedures for hematocrit, WBC (ammonium oxalate only), and platelet count. Tubes have pierceable caps (Sysmex - see Cat. # 227)
227	Hematology – 3S Hemoglobin Hematocrit Platelet Count Automated Differential	<i>MCV</i> RBC <i>RDW-CV</i> <i>RDW-SD</i> WBC	For the Sysmex K Series, R-1000, R-3000, K-4500, poch-100i. Tubes have pierceable caps
243	Hematology - 3CX ▶ Hemoglobin ▶ Hematocrit ▶ Platelet Count ▶ Automated Differential	<i>MCV</i> ▶ RBC ▶ WBC	For the Chempaq XBC or XDM
222	QBC Hematology Hemoglobin Hematocrit Platelet Count	WBC Granulocytes Lymph/Mono	For the QBC Analyzer

5-Part Differential Programs

Catalog #	Program		Additional Information
226	Hematology – 5 Hemoglobin Hematocrit Platelet Count Automated Differential	<i>MCV</i> RBC <i>RDW</i> WBC	For the Siemens Advia 70; Drew Excell 22; Danam Excell 22; Infolab Excell 22; Sysmex SE-9500; SF-3000. Tubes have pierceable caps
230	Hematology – 5C Hemoglobin Hematocrit Platelet Count Automated Differential	<i>MCV</i> RBC <i>RDW-CV</i> <i>RDW-SD</i> WBC	For the Coulter GEN-S, HmX, LH 500, LH 700 series, MAXM, STKS. Tubes have pierceable caps
231	Hematology – 5A Hemoglobin Hematocrit Platelet Count Automated Differential	<i>MCV</i> RBC <i>RDW</i> WBC	For the Horiba ABX Pentra 60, 60+, 80, 120; Coulter AcT 5-Diff. Tubes have pierceable caps

▶ Analyte is not CAP accepted. See our website for updates.

Hematology

2011 Shipping Dates: March 21, July 11, November 7

5-Part Differential Programs

Catalog #	Program		Additional Information
242	Hematology – 5D Hemoglobin Hematocrit <i>nRBC</i> Platelet Count Automated Differential	<i>Reticulocyte Count</i> <i>MCV</i> RBC <i>RDW</i> WBC	For the Abbott Cell-Dyn 3000-3700, 4000, Ruby, Sapphire. Tubes have pierceable caps
238	Hematology – 5S Hemoglobin Hematocrit <i>nRBC</i> Platelet Count Automated Differential <i>IG# and IG%</i>	<i>Reticulocyte Count</i> <i>MCV</i> RBC <i>RDW-CV</i> <i>RDW-SD</i> WBC	For the Sysmex XE 2100, XE-5000, XT 1800i, XT 2000i, XS-Series. Tubes have pierceable caps
240	Hematology – 5B Hemoglobin Hematocrit Platelet Count Automated Differential	<i>MCV</i> RBC <i>RDW</i> WBC	For the Siemens Advia 120 and 2120. Tubes have pierceable caps

Miscellaneous Hematology

Catalog #	Program		Additional Information
224	Blood Cell Identification Blood Cell Identification		Five graded and two educational photographs for identification of peripheral blood cells
	Note to laboratories that perform blood cell identification AND automated white blood cell differentials:		
	CMS requires that only one score be reported for these two tests. If your laboratory reports proficiency results for both the blood cell identification and automated differential, API will automatically send your score from the blood cell identification to CMS. Your score for the automated differential will still appear on your evaluation, but will not be sent to CMS.		If you would like your score for the automated differential to be sent to CMS instead of your score for blood cell identification, you must order Catalog # S24 (Blood Cell Identification Secondary, see page 29) instead of Catalog #224. Please call us if you have any questions about this.
229	Flow Cytometry ▶ <i>CD3 (T Cells)</i> ▶ <i>CD4 (T Helper)</i> ▶ <i>CD8 (T Cytotoxic)</i>	▶ <i>CD19 (B Cells)</i> ▶ <i>CD45 (Leukocytes)</i> ▶ <i>CD56 / CD16+56 (NK Cells)</i>	Lymphocyte phenotyping – 2 samples
223	Reticulocyte Count <i>Reticulocyte Count</i>		Manual (new methylene blue stain only) and automated reticulocyte techniques – 2 samples

▶ Analyte is not CAP accepted. See our website for updates.

Hematology

2011 Shipping Dates: March 21, July 11, November 7

Miscellaneous Hematology

Catalog #	Program	Additional Information
228	Sedimentation Rate – A <i>Sedimentation Rate</i>	Manual & automated methods (Polymedco Sedimat 15 - see Cat. #201, HemaTechnologies ESR STAT PLUS or ESR STAT 180 - See Cat. #202) – 2 samples
201	Sedimentation Rate – B <i>Sedimentation Rate</i>	For the Polymedco Sedimat 15 – 2 samples
202	Sedimentation Rate – C <i>Sedimentation Rate</i>	For the HemaTechnologies ESR STAT Plus, ESR STAT 180 – 2 samples
237	Sickle Cell Screen <i>Sickle Cell Screen</i>	For both screening kits and electrophoresis screening methods – 2 samples

Andrology

2011 Shipping Dates: March 21, November 7

Catalog #	Program	Additional Information
154	Antisperm Antibody ▶ <i>Antisperm Antibody</i>	Human serum for antisperm antibody – 2 samples
151	Sperm Count <i>Sperm Count</i>	0.15 mL stabilized human sperm – 2 samples
152	Sperm Morphology <i>Sperm Morphology</i>	1 unstained semen smear; 1 virtual photograph for specific sperm morphology
161	Sperm Motility <i>Sperm Motility</i>	A CD-ROM with video footage for sperm motility. The video shows a series of microscopic fields of a fresh sperm sample, and a second series showing the sample after sperm immobilization. Laboratories are asked to perform counts and calculate the % motility. 2 samples (requires Pentium 3 or better and Windows Media version 9)
153	Sperm Viability <i>Sperm Viability</i>	2 Eosin–Nigrosin stained smears

▶ Analyte is not CAP accepted. See our website for updates.

Coagulation

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2011 Shipping Dates: March 21, July 11, November 7

Catalog #	Program	Additional Information
217	Coagulation APTT Fibrinogen	1 mL lyophilized plasma; for plasma-based coagulation analyzers
	<i>INR</i> Prothrombin Time	
219	CoaguChek/CoaguChek S PT <i>INR</i> Prothrombin Time	For the Roche CoaguChek and CoaguChek S (CoaguChek XS Plus – see #214 or #914)
919	CoaguChek/CoaguChek S PT <i>INR</i> <i>Prothrombin Time</i>	For laboratories using the CoaguChek to perform only the INR, or performing the Prothrombin Time as a waived test – 2 samples (CoaguChek XS Plus - see Cat. #214 or #914)
214	CoaguChek XS Plus <i>INR</i> Prothrombin Time	For the Roche CoaguChek XS Plus
914	CoaguChek XS Plus <i>INR</i> <i>Prothrombin Time</i>	For laboratories using the CoaguChek XS Plus to perform only the INR, or performing the Prothrombin Time as a waived test – 2 samples
245	D-dimer - Qualitative <i>D-dimer</i>	For qualitative D-dimer methods – 2 samples
246	D-dimer - Quantitative <i>D-dimer</i>	For quantitative D-dimer methods – 2 samples
249	Hemochron Jr. Citrate PT <i>INR</i> Prothrombin Time	For the Hemochron Jr. II, Signature, Signature +, Signature Elite; for use with Citrate cuvette
252	Hemochron Jr. Citrate APTT ▶ APTT	For the Hemochron Jr. II, Signature, Signature +, Signature Elite, IL Gem PCL, and Gem PCL Plus; for use with Citrate cuvette
250	Hemochron Jr. PT <i>INR</i> Prothrombin Time	For the Hemochron Jr. II, Signature, Signature +, Signature Elite, IL Gem PCL, and Gem PCL Plus; for use with whole blood
915	ITC Protime <i>INR</i>	For the ITC Protime instrument only – 2 samples

▶ Analyte is not CAP accepted. See our website for updates.

Coagulation

2011 Shipping Dates: March 21, July 11, November 7

Catalog #	Program	Additional Information
247	Hemochron Jr. ACT - LR <i>Activated Clotting Time</i>	For the Hemochron Jr., Signature, Signature +, Signature Elite, and IL Gem PCL; for use with ACT-LR cuvette – 2 samples.
248	Hemochron Jr. ACT + <i>Activated Clotting Time</i>	For the Hemochron Jr., Signature, Signature +, Signature Elite, and IL Gem PCL; for use with ACT + cuvette – 2 samples.
215	i-STAT ACT <i>Activated Clotting Time</i>	For the i-STAT analyzer – 2 samples
216	i-STAT Protime <i>INR</i> Prothrombin Time	For the i-STAT PCA and i-STAT I
254	Platelet Function - IIb/IIIa Test <i>GP IIb/IIIa inhibition</i>	2 samples for glycoprotein IIb/IIIa inhibition. Designed for use with the Accumetrics VerifyNow System
255	Platelet Function - Aspirin Test <i>Aspirin induced inhibition</i>	2 samples for aspirin-induced inhibition. Designed for use with the Accumetrics VerifyNow System
256	Platelet Function - P2Y12 Test <i>P2Y12 inhibition</i>	2 samples for P2Y12 inhibition. Designed for use with the Accumetrics VerifyNow System

2010 Shipping Dates: January 10, May 2, August 22

Catalog #	Program	Additional Information
211	Activated Clotting Time <i>Activated Clotting Time</i>	For the Hemochron Response, 801, Helena Laboratories Actalyke, and Cascade POC
916	Activated Clotting Time <i>Activated Clotting Time</i>	For the Hemochron Response, 801, Helena Laboratories Actalyke, and Cascade POC – 2 samples
212	Activated Clotting Time <i>Activated Clotting Time</i>	For the Medtronic ACT and HMS Plus
917	Activated Clotting Time <i>Activated Clotting Time</i>	For the Medtronic ACT and HMS Plus – 2 samples
244	Thrombelastogram <i>TEG®</i> <i>ROTEM®</i>	For the Haemoscope Thrombelastograph® and TEM International ROTEM® analyzers - 3 samples

Urinalysis, PPM, and Other Tests

2011 Shipping Dates: March 21, July 11, November 7

Catalog #	Program	Additional Information
235	Urine HCG - Qualitative HCG <i>(Shipping dates: January 24, May 16, September 12)</i>	For non-waived latex agglutination kits or laboratories that wish to test 5 samples
270	Automated Urine Microscopy - I <i>Crystals</i> <i>WBC</i> <i>Non-Squamous Epithelial Cells</i> <i>RBC</i>	Designed for IRIS instruments - 1 sample
271	Automated Urine Microscopy - S <i>Bacteria</i> <i>Epithelial Cells</i> <i>Casts</i> <i>RBC</i> <i>Crystals</i> <i>WBC</i>	Designed for Sysmex instruments - 1 sample

2011 Shipping Dates: March 14, July 5, October 31

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

Catalog #	Program	Additional Information
321	Bacteriology Package 1 Group A Strep Antigen (2) Susceptibility Testing (1) Throat Culture (2)	<i>Urine Colony Count (1)</i> Urine Culture (1) For sites performing non-waived Group A Strep Antigen testing, Throat Cultures, and Urine Cultures. The numbers shown to the right indicate the number of challenges per test event.
325	Bacteriology Package 2 Group A Strep Antigen (3) Urine Culture (2)	Susceptibility Testing (1) <i>Urine Colony Count (2)</i> 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.
326	Bacteriology Package 3 Group A Strep Antigen (3) Throat Culture (2)	For sites performing non-waived Group A Strep Antigen testing and Throat Cultures. The numbers shown to the right indicate the number of challenges per test event.
327	Bacteriology Package 4 Throat Culture (3) Urine Culture (2)	Susceptibility Testing (1) <i>Urine Colony Count (2)</i> For sites performing Throat and Urine Cultures. The numbers shown to the right indicate the number of challenges per test event.
328	Comprehensive Bacteriology Blood Culture (1) CSF Culture (1) Campylobacter Antigen (2) Ear/Eye Culture (1) Genital Culture (2) Gram Stain (15) Group A Strep Antigen (3) Stool Culture (2) Sputum Culture (2)	Susceptibility Testing (3) Throat Culture (1) Urine Culture (3) <i>Urine Colony Count (3)</i> Wound Culture (2) <i>(aerobic & anaerobic)</i> <i>Educational Culture and Susceptibility (3)</i> For sites performing a variety of bacteriology procedures. The numbers shown to the right indicate the number of challenges sent per year .

Microbiology

2011 Shipping Dates: March 14, July 5, October 31

Bacterial Antigen Programs

Catalog #	Program	Additional Information
324	Affirm VP <i>Candida sp.</i> <i>Gardnerella vaginalis</i> <i>Trichomonas vaginalis</i>	Swabs for use with the Becton Dickinson Affirm VP III
311	Nucleic Acid C/GC <i>Chlamydia trachomatis</i> <i>N. gonorrhoeae</i>	Swabs for nucleic acid probe (Gen-Probe) or amplification techniques
316	Chlamydia Antigen <i>Chlamydia Antigen</i>	Liquid samples for Chlamydia antigen detection kits
930	Chlamydia Antigen <i>Chlamydia Antigen</i>	Liquid samples for Chlamydia antigen detection kits; use as an add-on to other Bacteriology programs - 2 samples
350	<i>C. difficile</i> Toxin or Antigen <i>C. difficile Toxin or Antigen</i>	Liquid samples for <i>C. difficile</i> antigen or toxin
347	<i>C. difficile</i> Toxin or Antigen <i>C. difficile Toxin or Antigen</i>	2 liquid samples for <i>C. difficile</i> antigen or toxin; for use as an add-on to other Bacteriology programs
340	Legionella Antigen <i>Legionella Antigen</i>	2 urine samples for <i>Legionella</i> antigen detection kits. Use as an add-on to other Bacteriology programs.
312	Group A Strep Antigen <i>Group A Strep Antigen</i>	Swabs for rapid Group A Strep antigen detection kits
912	Group A Strep Antigen <i>Group A Strep Antigen</i>	Swabs for rapid Group A Strep antigen detection kits. Use as an add on to other Bacteriology programs or for waived methods - 2 samples
341	<i>S. pneumoniae</i> Antigen <i>S. pneumoniae Antigen</i>	2 urine samples for <i>S. pneumoniae</i> antigen detection kits; use as an add-on to other Bacteriology programs
343	Shiga Toxin <i>Shiga Toxin</i>	1 sample for Shiga Toxins 1 and 2
360	Campylobacter Antigen <i>Campylobacter Antigen</i>	For labs that detect <i>Campylobacter sp.</i> using antigen methods. Use as an add-on to other Bacteriology programs - 2 samples

Microbiology

2011 Shipping Dates: March 14, July 5, October 31

Bacterial Cultures and Gram Stain

Catalog #	Program	Additional Information
315	Genital Culture Group B Strep GC Culture	Culture techniques for <i>N. gonorrhoeae</i> and Group B Strep
929	Genital Culture Group B Strep GC Culture	Culture techniques for <i>N. gonorrhoeae</i> and Group B Strep. Use as an add-on to other Bacteriology programs – 2 samples
320	Gram Stain Gram Stain	5 fixed prepared glass slides for Gram stain and morphology
330	Additional Gram Stain <i>Gram Stain</i>	An additional set of slides may be purchased for internal use such as competency testing
346	MRSA / VRE Methicillin Resistant Staphylococcus aureus Vancomycin Resistant Enterococci	1 swab for each; suitable for either culture or PCR techniques. For use as an add-on to other Bacteriology programs
313	Throat Culture Throat Culture	Culture techniques for the presence or absence of Group A Streptococci
314	Urine Culture Susceptibility Testing Urine Culture <i>Urine Colony Count</i>	Culture techniques (including screening tubes, paddles, and agar plates) for bacterial colony count and/or identification; antimicrobial susceptibility testing can be performed on 1 sample
924	Urine Colony Count <i>Urine Colony Count</i>	Techniques (including screening tubes, paddles, and agar plates) for bacterial colony count – 2 samples
361	Blood Culture Blood Culture <i>(Shipping Dates: March 14, Oct. 31)</i>	For aerobic and anaerobic blood cultures. Use as an add-on to other Bacteriology programs – 2 samples

Mycobacteriology

Catalog #	Program	Additional Information
335	Acid Fast Smears Acid Fast Smears	5 fixed prepared glass slides
344	Mycobacteriology Culture Mycobacteriology Identification ► Mycobacteriology Susceptibility Testing <i>(Shipping Dates: Jan. 31, Sept. 19)</i>	5 samples for culture and identification of mycobacteria

► Analyte is not CAP accepted. See our website for updates.

Microbiology

2011 Shipping Dates: March 14, July 5, October 31

Mycology

Catalog #	Program	Additional Information
317	Candida Culture Candida Culture	For Candida culture
332	Dermatophyte Culture Dermatophyte Culture (Shipping dates: Feb. 22, June 13, Oct. 3)	For culture techniques for dermatophytes
339	India Ink <i>India Ink</i>	2 liquid samples for presence or absence of encapsulated yeast using India Ink methods
345	Cryptococcal Antigen <i>Cryptococcal Antigen</i>	2 samples for cryptococcal antigen detection
333	KOH Preparation <i>KOH Preparation</i>	2 prepared glass slides to represent a KOH examination of skin, nail or hair
331	Mycology Culture Mycology Culture (Shipping dates: Feb. 22, June 13, Oct. 3)	Samples for culture and identification of yeasts and molds

Parasitology

Catalog #	Program	Additional Information
342	Giardia & Cryptosporidium Antigens Cryptosporidium Antigen Giardia Antigen	5 liquid samples for EIA & DFA tests
932	Giardia & Cryptosporidium Antigens Cryptosporidium Antigen Giardia Antigen	2 liquid samples for EIA & DFA tests; use as an add-on to other parasitology programs
334	Parasitology Blood Smear Photograph (1) Formalin Concentrates (2) PVA Photograph (1) PVA Slide (1)	For labs performing a variety of parasitology tests; formalin concentrates are 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 <u>per test event</u> .
337	Parasitology Panel (Biosite) Cryptosporidium parvum Giardia lamblia Entamoeba histolytica / dispar	For the Biosite Triage Parasitology Panel only

Microbiology

2011 Shipping Dates: March 14, July 5, October 31

Virology

Catalog #	Program	Additional Information
322	Virology Package Δ Adenovirus Influenza A or B Antigen RSV Antigen	Liquid samples for Influenza A or B, RSV, and Adenovirus antigen detection kits
942	Virology Package Δ Adenovirus Influenza A or B Antigen RSV Antigen	Liquid samples for Influenza A or B, RSV, and Adenovirus antigen detection kits; for use as an add-on to other Virology programs - 2 samples
933	Virology Package Δ <i>Adenovirus</i> <i>Influenza A or B Antigen</i> <i>RSV Antigen</i>	Liquid samples for Influenza A or B, RSV, and Adenovirus antigen detection kits. For <i>waived</i> methods - March and October shipments only - 2 samples
348	Rotavirus Rotavirus Antigen	Liquid samples for Rotavirus antigen
349	Rotavirus Rotavirus Antigen	Liquid samples for Rotavirus antigen; for use as an add-on to other Virology programs - 3 samples

Δ CAP application pending fall 2010. See our website for updates.

Immunology

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 with 5 samples, unless otherwise noted.

2011 Shipping Dates: January 24, May 16, September 12

Catalog #	Program	Additional Information
407	Immunology Package Anti-Streptolysin O Infectious Mononucleosis Rheumatoid Factor	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. Serum HCG is for qualitative kits.
	Rubella Serum HCG	
421	ANA ANA <i>Anti-DNA (ds, ss)</i> <i>Anti-Sm</i>	Designed for EIA and IFA methods
	<i>Anti-RNP</i> <i>Anti-SSA</i> <i>Anti-SSB</i>	
429	ANA (latex kits) ANA	Designed for latex agglutination methods
424	ASO Anti-Streptolysin O	For qualitative, quantitative and semi-quantitative (titer) methods
425	High Sensitivity CRP <i>hsCRP</i>	For hsCRP procedures that measure levels between 0 - 1.5 mg/dL – 2 samples
413	C-Reactive Protein - Qualitative <i>C-Reactive Protein</i>	For qualitative CRP procedures - 2 samples
431	C-Reactive Protein - Quantitative <i>C-Reactive Protein</i>	For quantitative CRP procedures that measure levels >1.0 mg/dL - 2 samples
419	Diagnostic Allergy Total IgE <i>Specific Allergens</i>	5 samples (2 mL each) for quantitative IgE and specific allergens. Specific allergens may be reported qualitatively or quantitatively. (For additional sample volume, add on Cat. #437)
432	Rapid HIV Anti-HIV 1 or 2	For laboratories using a rapid method to test for anti-HIV
433	Rapid HIV <i>Anti-HIV 1 or 2</i>	For laboratories using a rapid waived method to test for anti-HIV – 2 samples
417	Viral Markers Anti-HIV 1 or 2 Anti-HBc (total and IgM) <i>Anti-HAV (total and IgM)</i>	5 samples (2.5 mL each) for anti-HIV and/or Hepatitis testing. Anti-HIV is for standard and confirmatory methods only; see Cat. #432 & 433 for Rapid HIV methods
	<i>Anti-HBs</i> <i>Anti-HCV</i> HBsAg Δ HBsAg Confirmatory	

Δ CAP application pending fall 2010. See our website for updates.

Immunology

2011 Shipping Dates: January 24, May 16, September 12

Catalog #	Program	Additional Information
420	H. pylori Antibody <i>H. pylori Antibody</i>	For kits that detect antibody to <i>Helicobacter pylori</i> - 2 samples
430	HSV-2 Antibody <i>HSV-2 Antibody</i>	For the Biokit HSV-2 rapid test – 2 samples
436	Immunoproteins/C3 & C4 ▶ Alpha-1-Antitrypsin IgA Complement C3 IgG Complement C4 IgM Δ <i>Haptoglobin</i>	For quantitative testing
410	Infectious Mononucleosis Infectious Mononucleosis	For all infectious mononucleosis kits
910	Infectious Mononucleosis <i>Infectious Mononucleosis</i>	2 samples - for waived methods
411	Infectious Mononucleosis & Rheumatoid Factor Infectious Mononucleosis Rheumatoid Factor	Cost savings for labs that perform both tests; RF results may be reported as qualitative, quantitative, or as a titer.
418	Lyme Disease <i>Lyme Disease Antibody</i>	For kits that detect antibody to <i>Borrelia</i> <i>burgdorferi</i> - 2 samples
428	Mycoplasma Antibody <i>Mycoplasma Antibody</i>	For kits that detect antibody to <i>Mycoplasma</i> <i>pneumoniae</i> - 2 samples
408	Rheumatoid Factor Rheumatoid Factor	For qualitative, quantitative, and semi-quantitative (titer) methods
415	Rubella Rubella	For qualitative, quantitative, and semi-quantitative (titer) methods
409	Serum HCG HCG	For qualitative serum HCG kits
416	Syphilis Serology Syphilis	For qualitative and semi-quantitative (titer) methods for serum and CSF. Designed for RPR, VDRL, FTA, TPHA, and ELISA kits

▶ Analyte is not CAP accepted. Δ CAP application pending fall 2010. See our website for updates.

Immunohematology

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 with 5 samples, unless otherwise noted.

2011 Shipping Dates: January 24, May 16, September 12

Catalog #	Program	Additional Information
511	ABO/Rh ABO grouping Rh typing	4% cell suspensions for ABO/Rh testing
512	Blood Bank ABO grouping Antibody Identification Antibody Screen	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.
	<i>Antigen typing</i> Compatibility Testing Rh typing	
514	DAT <i>Direct Antiglobulin Testing</i>	4% cell suspensions for DAT – 2 samples
515	Fetal RBC ▶ <i>F Cell Value (by flow cytometry)</i> <i>Fetal Screen</i> <i>Hemoglobin F, quantitative</i>	Whole blood for fetal screen, Kleihauer-Betke, and flow cytometry – 2 samples
513	Rh Slide Test Rh typing	35 - 45% cell suspensions for sites that use slide methodology or Eldoncards for Rh typing
516	Antibody Elution <i>Antibody Elution</i>	50% cell suspension for antibody elution (for non-ABO antibodies) – 1 sample
517	Automated Blood Bank ABO Grouping Antibody Identification Antibody Screen Rh typing	5 tubes of CPD anticoagulated whole blood; compatible with Ortho Provue, Immucor Galileo, Immucor Echo, Biotest Tango, Beckman PK2700 and 7300.
518	Educational Blood Bank <i>Antibody Identification</i>	1 serum sample for special challenges in antibody detection and identification

Supplemental Products

Catalog #	Program
957	API 3-Ring Binder

▶ Analyte is not CAP accepted. See our website for updates.

Additional Programs and CE Credits

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.

Proficiency Testing for Secondary Instruments

This option is for laboratories wishing to report proficiency results for a secondary instrument. It is available for certain Chemistry, Blood Gas, and Hematology programs. Please note that only results from the primary instrument will be reported to regulatory agencies such as CMS or CAP. Call us for more details.

Catalog#	Program	Catalog#	Program	Catalog#	Program
C11	Blood Gas	C41	Cardiac Markers-2 sample	S27	Hematology - 3S
C12	Blood Gas Plus	C45	i-STAT Chemistry	S30	Hematology - 5C
C14	Blood Oximetry	C46	i-STAT Chemistry-waived	S31	Hematology - 5A
C20	Chemistry 1	S21	Hematology - 3	S38	Hematology - 5S
C21	Chemistry 2	S22	QBC Hematology	S40	Hematology - 5B
C22	Chemistry 3	S24	Blood Cell ID	S42	Hematology - 5D
C40	Cardiac Markers-5 sample	S26	Hematology - 5	S43	Hematology - 3CX

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.

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○ CAP accepted ◊ CAP acceptance not required ► Not CAP accepted △ CAP application pending fall 2010
 This list is not intended to replace CAP guidance on required analytes. See the current catalog index on our website for updates on CAP accepted analytes.

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◇ PAMG-1	10	◇ Urine Adulteration Tests	13
○ PAP	10	○ Urine Chemistry	13
○ Parasitology	24	○ Urine Colony Count	21, 23
○ Parathyroid Hormone (PTH)	10	○ Urine Culture	21, 23
○ pCO ₂	9, 11	○ Urine Sediment	19
○ pH (◇ gastric, body, amniotic fluid)	9, 11, 12, 13, 19	○ Urobilinogen	19
○ Phencyclidine	13	○ Vaginal Wet Preparation	19
○ Phenobarbital	8	○ Valproic Acid	8
○ Phenytoin	8	○ Vancomycin	8
○ Phosphorus	7, 9, 13	○ Vitamin B12	10
○ Pinworm Preparation	19	○ VRE	23
○ Platelet Count (except ► Cat. #243 - see page 14)	14, 15	○ WBC (except ► Cat. #243 - see page 14)	12, 14, 15
◇ Platelet Function	18	○ Wound Culture	21
○ pO ₂	9, 11		
○ Potassium	7, 9, 11, 13		
○ Prealbumin	10		
► Primidone	8		
○ Procainamide	8		
◇ Procalcitonin	9		
○ Progesterone	10		
○ Prolactin	10		
○ Propoxyphene	13		
○ Protein, urine (◇ confirmatory)	13, 19		
○ Prothrombin Time	17, 18		
► PSA (complexed)	11		
○ PSA (total, free)	10, 11		
○ Quinidine	8		
○ RBC (except ► Cat. #243 - see page 14)	12, 14, 15		
◇ RDW	14, 15		
○ Reducing Substance	19		
○ Reticulocyte Count	15		
○ Rh typing	28		
○ Rheumatoid Factor (◇ titer)	26, 27		

○ CAP accepted ◇ CAP acceptance not required ► Not CAP accepted Δ CAP application pending fall 2010
 This list is not intended to replace CAP guidance on required analytes. See the current catalog index on our website for updates on CAP accepted analytes.