



cap  
*Advancing Excellence*

Every  
number  
is a life.™

# CAP Accreditation Update

Jean Ball MBA,  
MT(HHS),MLT(ASCP)  
Lead Inspection Specialist



Copyright © 2009 College of  
American Pathologists (CAP).

[www.cap.org](http://www.cap.org)

## Learning Objective

1. Describe recent changes to the CAP Laboratory Accreditation Program
2. Explain recent updates to the LAP inspection checklists including the rationale for the changes
3. Describe CAP website resources to include Laboratory Improvement Programs

## CAP Checklist “Freeze” 9/2007- 3/2009

As condition of an accreditation organization’s deemed status under CLIA’88, CMS is required to evaluate the organization’s requirements at a maximum interval of every 6 years to assure that stringency is at least equal to CLIA-88 regulations (42CFR493.553(C)).

## Criteria for Adding New Checklist Requirements

- New technology/science
- Regulatory requirements
- Significant contribution to quality
- Burden on laboratory (i.e., cost-benefit)
- Medical legal implications
- Significant proportion of checklist revisions come from accredited labs/inspectors

## Checklist Revisions for 2009 Highlights

- Focus on personnel qualifications, with instructions to inspectors
- Test method comparison will include qualitative and quantitative tests;
  - Requirement is to define relationship, not that different methods give same result;
  - Applies only within a single CLIA number
- New checklist requirement to verify concentration methods in addition to diluting procedures
- Manual cell count controls for blood and body fluids

## Checklist Revisions for 2009 – Procedure Manual

Procedure manual contents must reflect CLIA,  
**as applicable** (493.1251):

1. Requirements for patient preparation; specimen collection, labeling, storage, preservation, transportation, processing, and referral; and criteria for specimen acceptability and rejection
2. Microscopic examination, including the detection of inadequately prepared slides.
3. Step-by-step performance of the procedure, including test calculations and interpretation of results.

## Checklist Revisions for 2009 – Procedure Manual

4. Preparation of slides, solutions, calibrators, controls, reagents, stains, and other materials used in testing.
5. Calibration and calibration verification procedures.
6. The reportable range for test results for the test system
7. Control procedures.
8. Corrective action to take when calibration or control results fail to meet the laboratory's criteria for acceptability
9. Limitations in the test methodology, including interfering substances.

# Checklist Revisions for 2009 – Procedure Manual

10. Reference intervals (normal values)
11. Imminently life-threatening (critical) test results
12. Pertinent literature references.
13. The laboratory's system for entering results in the patient record and reporting patient results including, when appropriate, the protocol for reporting imminently life-threatening (critical) results
14. Description of the course of action to take if a test system becomes inoperable



## 2009 CAP Checklists

- CMS Deemed Status Approval
- Checklists to be released (Summer 2009)
- Access behind e-*LAB* Solutions
- What's New.....?

## What's NEW in Laboratory General?

- Enhanced introduction to Test Method Validation section
- Qualitative tests: Establish/verify only relevant elements—e.g., accuracy; analytic sensitivity (drug test)
- Matrices other than blood (body fluids)
- Laboratory-developed tests
- Summary of MPS approved by director

## What's NEW in Laboratory General?

- Direct-to-consumer testing
- Reference laboratories – For disciplines **not** subject to CLIA (e.g., histology), must refer to CAP-accredited or CAP-accepted laboratory

## What's NEW in Transfusion Medicine?

- Apheresis section divided into 3 sections: apheresis, general, therapeutic apheresis, donor apheresis
- Therapeutic phlebotomy section expanded
- Elution studies- alternative PT assessment required

## What's NEW in Molecular Microbiology?

- More extensive, detailed Mol Micro section added to MIC checklist
- All molecular microbiology testing inspected with Microbiology checklist
- Molecular section of MIC checklist need not be used to inspect non-amplified FDA-approved/cleared tests run directly on cultures—can use Mycobacteriology and Mycology sections of MIC.

# What's NEW in Anatomic Pathology?

- Digital imaging section
- Synoptic reporting of cancer cases

# How Often is “Periodic?”

## “Periodic” Defined!

- This word being replaced in all checklists by “at least annually”
- Note that there are some requirements with different time interval requirements
  - AMR validation—6 months
  - Validation of calculations by LIS—2 years
- Exception: “periodically” may still be found in LIS section in GEN



## A NEW CAP Checklist in 2010!

- New Numbering Schema
- New Format

## New Checklist Numbering Schema - 2010

- Checklist organized by main “modules” or sections.
- Key sections are further arranged into smaller, manageable categories that contain requirements of a related nature, i.e., proficiency testing, quality control

# New Numbering Schema

COMMON

Proficiency Testing

Definitions:

Proficiency testing (PT) is defined as determination of laboratory testing performance by means of interlaboratory comparisons, in which a PT program periodically sends multiple specimens to members of a group of laboratories for analysis and/or identification; the program then compares each laboratory's results with those of other laboratories in the group and/or with an assigned value... (adapted from Clinical Laboratory Standards Institute Harmonized Terminology Database; available at <http://www.ncls.org/>)

Alternative assessment of laboratory testing performance by means other than PT--for example, by a different method, *etc.*

**\*\*NEW\*\* 09/27/2007**

COM.PTX.00500	Phase I	N/A YES NO
---------------	---------	------------

**Does the laboratory's current CAP Activity Menu accurately reflect the testing performed?**

*NOTE: An accurate Activity Menu is required to properly assess a laboratory's compliance with proficiency testing requirements. The accuracy of the Activity Menu can be assessed by inquiry of responsible individuals, and by examination of the laboratory's test requisition(s), computer order*

Main Sections / "Modules"

Specific Categories

Unique Naming Convention

## New Checklist Format – 2010

Reducing redundancy of requirements:

- Certain requirements appear in multiple checklists; includes topics such as procedure manual, quality management, quality control, reagent handling, proficiency testing, results reporting
- Requirements identified as “Common” will be provided once for each department or Section Unit and will appear in a “Common” module

## New Checklist Format - 2010

- Checklist requirements listed once per Section Unit
- Less deficiencies cited
- More organized, streamlined inspection

# CAP Website Resources



The screenshot shows the CAP website interface. At the top, there's a navigation bar with links: Committees & Leadership, Calendar of Events, Media Center, CAP Foundation, and SNOMED. Below this is the CAP logo and the text 'College of American Pathologists'. A search bar is also present. The main content area is divided into several sections:

- Welcome:** Joan Rose
- e-LAB Solutions:**
  - Proficiency Testing/Quality Management
  - Laboratory Accreditation
  - Competency Assessment
  - Administration Options
- Personalized Options:**
  - Education Transcript
  - Pay Dues Online
  - Admin Tools
  - Change My Password
  - Update My Profile
- Online Submission:**
  - Web Content
- Logout**
- Refer a Colleague for CAP Membership**
- 2009 Surveys:** View the Catalog
- 2009 EXCEL:** View the Catalog
- 1st US Lab Accredited to CAP 15189<sup>SM</sup>** (with a globe icon and 'LEARN MORE' link)
- Electronic Cancer Checklists Now in XML format** (with a checklist icon and 'CAP eCC LEARN MORE' link)
- eCC in XML Format**
- e-LAB Solutions<sup>TM</sup> Just Got Better**
- LAB SOLUTION** (with a logo and 'NEW My PT Shipping Calendar' and 'NEW CMS Analyte Reporting Selections' links)
- Experience the CAP Difference**
- CAP for Residents:** Access resources specially designed for pathology residents
- Health and Wellness Resources for the Public:** Learn how pathologists contribute to your health. Includes a quote from Richard C. Friedberg, MD, PhD, FCAP, about the Futurescape conference.
- Pathology News:**
  - NewsPath<sup>®</sup> Podcast and Article on KRAS:** Download the College's newest podcast and article on the role of KRAS mutation testing in the management of colorectal cancer, based on the CAP POET report on the same topic. Share the information with your clinical colleagues during National Colorectal Cancer Awareness month in March.
  - Meritorious Award Nominations:** Nominations are being accepted for the 2009 Meritorious Awards.
  - Advocacy News:** Proposed Federal Budget Includes 630 Billion Dollars for Healthcare Reform. President Obama's proposed Federal budget sets aside a "reserve" fund of more than \$630 billion over ten years that will be dedicated towards financing healthcare initiatives including reform of the physician pay system and the adoption of Health Information Technology.

At the bottom, there's a footer with logos for cap09 DC, SURVEYS EXCEL, CAP TODAY, ARCHIVES Pathology & Laboratory Medicine, cap STS, CAP Foundation, and a tagline 'Every number is a life<sup>™</sup>'. Copyright notice: © 2009 College of American Pathologists. All rights reserved. | Terms and Conditions.

# e-LAB Solutions

## e-LAB Solutions

- > Proficiency Testing/Quality Management
- > Laboratory Accreditation
- > Competency Assessment
- > Administration Options

## Personalized Options

- > Education Transcript
- > Pay Dues Online
- > Admin Tools
- > Change My Password
- > Update My Profile

## Online Submission

- > Web Content

Logout

REFER A COLLEAGUE FOR CAP MEMBERSHIP



Save time with newly added LAP online features!

Join nearly 10,000 laboratories that have made e-LAB Solutions a part of their daily activities!

- Access Laboratory Accreditation Program Information
- Access Proficiency Testing Program Information



## What is e-LAB Solutions?

- View frequently asked questions
- Getting started with e-LAB Solutions (PDF, 1,000 K)

## ONLINE FEATURES

### ACCREDITATION

- **NEW** Customized Checklists
- My Lab's Activity Menu
- Checklist Selection Report
- Missing PT Enrollment Report
- Test Menu Change Form



### PROFICIENCY TESTING

- Enter Data
- View Results
- Access Management Reports



## Electronic Data Entry Forms

- Reduce clerical errors with pre-populated forms with drop-down instrument, reagent, and method selections
- Correct clerical errors due to scanning or faxing prior to evaluation and avoid unnecessary PT failures
- E-mail notifications if the CAP has not received your data

## Online Evaluations and Reports

- Receive your evaluation up to 10 days sooner online
- Access images online

## Custom Management Reports

- Take a quick look at your laboratory's performance across up to six mailings

## Competency Assessment Program

- Learn more about the program
- Access Program

## Quality Management Tools

- Learn more about the program (PDF, 702 K)

## e-*LAB* Solutions Features

- Proficiency Testing and Quality Management:
  - Result forms
  - Evaluations and Reports
  - Analyte Scorecard
  - CMS Analyte Reporting Selections
  - My PT Shipping Calendar
- Laboratory Accreditation:
  - Master and Custom Checklists
  - Activity Menu with PT Options
  - Missing PT Enrollment Report



# e-LAB Solutions – Proficiency Testing



College of American Pathologists

[Committees & Leadership](#) [Calendar of Events](#) [Media Center](#) [CAP Foundation](#) [SNOMED](#)

[About CAP](#)

[Career Center](#)

[Contact Us](#)

[RSS](#)

Search:

[Go](#)

[\[Advanced Search\]](#)

[Home](#)

[Advocacy](#)

[Reference Resources and Publications](#)

[Education Programs](#)

[Accreditation and Laboratory Improvement](#)

[Members](#)

Welcome  
Joan Rose

## e-LAB Solutions

- > Proficiency Testing/Quality Management
- > Laboratory Accreditation
- > Competency Assessment
- > Administration Options

## Personalized Options

- > Education Transcript
- > Pay Dues Online
- > Admin Tools
- > Change My Password
- > Update My Profile

## Online Submission

- > Web Content

[Logout](#)

REFER A  
COLLEAGUE  
FOR CAP  
MEMBERSHIP



Home > e-LAB Solutions > Proficiency Testing and Quality Management

CAP Accreditation and Laboratory Improvement

Selected Organization CAP#:

[Select or Change Laboratory](#)

## Proficiency Testing and Quality Management



- Result Forms
- Evaluations and Reports
- Analyte Scorecard
- CMS Analyte Reporting Selections (More info) [NEW](#)
- My PT Shipping Calendar [NEW](#)
- CAP LINKS Quarterly Reports

[Federal Register Information](#)

## Resources

- 2009 Surveys Analyte Index (PDF, 223 K)
- Catalogs and Shipping Calendars
- Proficiency Testing Manuals
- Q-TRACKS
- Q-PROBES
- LMIP

## Using e-LAB Solutions

- Opt In Your Lab or Organization
- Request Access to Laboratory Data

## New to e-LAB Solutions?

- Getting Started
- Frequently Asked Questions
- Users guide (PDF, 3 MB)

cap 09  
DC



SURVEYS  
EXCEL®  
VIEW CATALOGS

CAP TODAY

ARCHIVES  
Pathology &  
Laboratory Medicine

cap STS

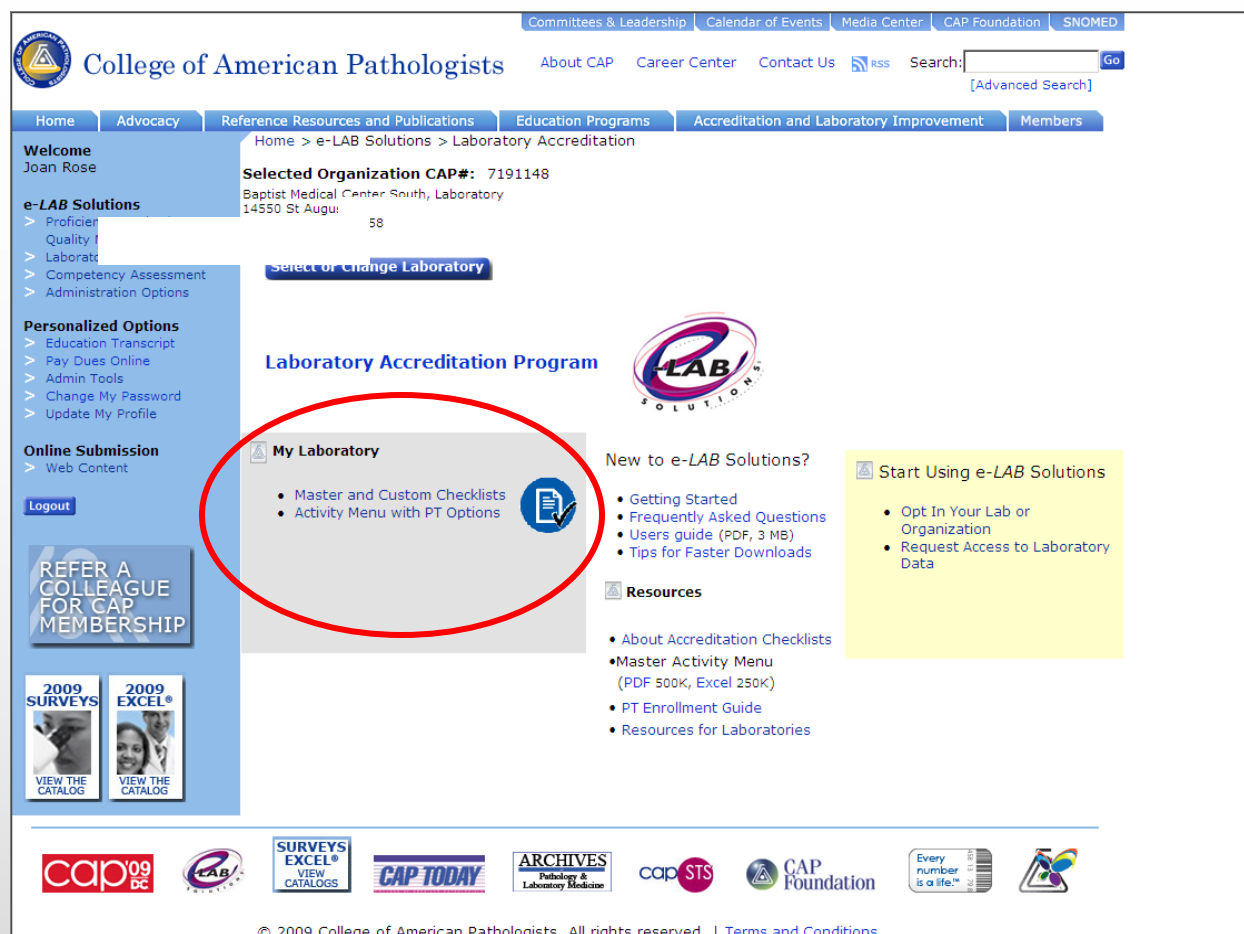
CAP  
Foundation

Every  
number  
is a life.™



© 2009 College of American Pathologists. All rights reserved. | [Terms and Conditions](#)

# e-LAB Solutions – Laboratory Accreditation



Committees & Leadership | Calendar of Events | Media Center | CAP Foundation | SNOMED

College of American Pathologists | About CAP | Career Center | Contact Us | RSS | Search: [ ] Go [Advanced Search]

Home | Advocacy | Reference Resources and Publications | Education Programs | Accreditation and Laboratory Improvement | Members

Welcome  
Joan Rose

Home > e-LAB Solutions > Laboratory Accreditation

**Selected Organization CAP#: 7191148**  
Baptist Medical Center South, Laboratory  
14550 St Augu: 58

**e-LAB Solutions**

- > Proficiency
- > Quality
- > Laboratory
- > Competency Assessment
- > Administration Options

**Personalized Options**

- > Education Transcript
- > Pay Dues Online
- > Admin Tools
- > Change My Password
- > Update My Profile

**Online Submission**

- > Web Content

Logout

**REFER A COLLEAGUE FOR CAP MEMBERSHIP**

2009 SURVEYS  
VIEW THE CATALOG

2009 EXCEL  
VIEW THE CATALOG

**Laboratory Accreditation Program**

**My Laboratory**

- Master and Custom Checklists
- Activity Menu with PT Options

**Select or Change Laboratory**

**New to e-LAB Solutions?**

- Getting Started
- Frequently Asked Questions
- Users guide (PDF, 3 MB)
- Tips for Faster Downloads

**Resources**

- About Accreditation Checklists
- Master Activity Menu (PDF 500K, Excel 250K)
- PT Enrollment Guide
- Resources for Laboratories

**Start Using e-LAB Solutions**

- Opt In Your Lab or Organization
- Request Access to Laboratory Data

cap'09 DC | SURVEYS EXCEL VIEW CATALOG | CAP TODAY | ARCHIVES Pathology & Laboratory Medicine | cap STS | CAP Foundation | Every number is a life.™

© 2009 College of American Pathologists. All rights reserved. | Terms and Conditions

# e-LAB Solutions Master and Custom Checklists



The screenshot shows the CAP e-LAB Solutions website. The top navigation bar includes links for Committees & Leadership, Calendar of Events, Media Center, CAP Foundation, and SNOMED. The main navigation bar includes Home, Advocacy, Reference Resources and Publications, Education Programs, Accreditation and Laboratory Improvement, and Members. The left sidebar contains a Welcome message for Joan Rose, e-LAB Solutions links (Proficiency Testing, Quality Management, Laboratory Accreditation, Competency Assessment, Administration Options), Personalized Options (Education Transcript, Pay Dues Online, Admin Tools, Change My Password, Update My Profile), and Online Submission (Web Content). The main content area is titled "Master and Custom Checklists" and includes a "Selected Organization CAP#" field. Below this, there are links for "How do I get started?" and "Tips for Faster Downloads". The main form area has two dropdown menus: "Section/Dept:" (Chemistry) and "Checklist Module:" (Chemistry and Toxicology). Below these is a table of Checklist Editions:

Checklist Edition:	Type	Date
<input checked="" type="radio"/>	CAP Current	09/27/2007
<input type="radio"/>	Onsite Inspection	05/10/2007
<input type="radio"/>	Self-Inspection	09/27/2007

Below the table, there is a "Checklist Type:" dropdown (Custom) and a "Checklist Format:" dropdown (Word/XML (Windows Only)). A "Download Checklist" button is at the bottom right of the form area. A note "(\*) indicates a required field" is present. The footer includes logos for CAP 09 DE, SURVEYS EXCEL, CAP TODAY, ARCHIVES, CAP STS, CAP Foundation, and a "Every number is a life" logo. Copyright text: "© 2009 College of American Pathologists. All rights reserved. | Terms and Conditions".

# CAP Checklists-Word/XML Format

CHM.11200	Phase II	N/A YES NO
-----------	----------	------------

**Does the director (or a designee who meets CAP director qualifications) review and approve all new policies and procedures, as well as substantial changes to existing documents, before implementation?**

*NOTE: Current practice must match the policy and procedure documents.*

#### REFERENCES

- 1) Department of Health and Human Services, Centers for Medicare and Medicaid Services. Clinical laboratory improvement amendments of 1988; final rule. *Fed Register*. 2003(Jan 24):7164 [42CFR493.1251(d)]

CHM.11300	Phase II	N/A YES NO
-----------	----------	------------

**Does the laboratory have a system documenting that all personnel are knowledgeable about the contents of procedure manuals (including changes) relevant to the scope of their testing activities?**

*NOTE: The form of this system is at the discretion of the laboratory director. Annual procedure sign-off by testing personnel is not specifically required.*

CHM.11400	Phase II	N/A YES NO
-----------	----------	------------

**If there is a change in directorship, does the new director ensure (over a reasonable period of time) that laboratory procedures are well-documented and undergo at least annual review?**

#### REFERENCES

- 1) Department of Health and Human Services, Centers for Medicare and Medicaid Services. Clinical laboratory improvement amendments of 1988; final rule. *Fed Register*. 2003(Jan 24):7164 [42CFR493.1251(d)]

Full Screen  
Close Full Screen



# CAP Checklists-Excel/CSV Format (short)

	A	B	C	D	E	F	G	H	I	J	K
7	Requireme	Phase	Question								
8	CHM.0500	1	Does the laboratory's current CAP Activity Menu accurately reflect the testing performed?								
9	CHM.1000	2	Does the laboratory participate in the appropriate required CAP Surveys or another proficiency testing								
10	CHM.1010	2	For tests for which CAP does not require PT, does the laboratory at least semiannually 1) participate in								
11	CHM.1020	2	Does the laboratory integrate all proficiency testing samples within the routine workload, and are those								
12	CHM.1030	2	Is there ongoing evaluation of PT and alternative assessment results, with prompt corrective action tak								
13	CHM.1043	2	Is there a policy that prohibits interlaboratory communication about proficiency testing samples until aft								
14	CHM.1046	2	Is there a policy that prohibits referral of proficiency testing specimens to another laboratory?								
15	CHM.1050	2	Does the chemistry laboratory have a written quality management/quality control (QM/QC) program?								
16	CHM.1060	2	Is there a documented procedure describing methods for patient/client identification, patient/client prep								
17	CHM.1070	2	Is there evidence of ongoing evaluation of records of controls, instrument maintenance and function, tes								
18	CHM.1080	2	Is there a documented system in operation to detect and correct significant clerical and analytical error								
19	CHM.1090	2	Are the results of tests performed in the absence of on-site supervisors reviewed by the laboratory dire								
20	CHM.1095	2	For tests that are waived under CLIA-88, does the laboratory follow manufacturer instructions?								
21	CHM.1100	2	Is a complete procedure manual available at the workbench or in the work area?								
22	CHM.1110	2	Is there documentation of at least annual review of all policies and procedures by the current laborator								
23	CHM.1120	2	Does the director (or a designee who meets CAP director qualifications) review and approve all new po								
24	CHM.1130	2	Does the laboratory have a system documenting that all personnel are knowledgeable about the conten								
25	CHM.1140	2	If there is a change in directorship, does the new director ensure (over a reasonable period of time) tha								
26	CHM.1150	2	When a procedure is discontinued, is a paper or electronic copy maintained for at least 2 years, recor								
27	CHM.1180	2	Are procedures adequate to verify the identity and integrity of samples, including capillary specimens, a								
28	CHM.1190	2	Are there documented criteria for the rejection of unacceptable specimens and instructions for the spec								
29	CHM.1200	2	Is the disposition of all unacceptable specimens documented in the patient/client report and/or quality n								
30	CHM.1213	2	Does the documented aliquoting procedure prevent crosscontamination of specimens and aliquots?								
31	CHM.1226	2	Is the aliquoting procedure properly followed by the staff?								
32	CHM.1233	2	For waived tests, does the laboratory follow manufacturer instructions for handling and storing reagent								
33	CHM.1240	2	Are								
34	CHM.1250	2	Are all reagents stored as recommended by the manufacturer?								
35	CHM.1260	2	Are all reagents used within their indicated expiration date?								
36	CHM.1270	1	Are common interferences evaluated for all analytes measured with each reagent system, or is credibl								


# CAP Checklists-Excel/CSV Format (long)

	A	B	C	D	E	F	G	H	I	J	K
7	Requireme	Phase	Question	Notes							
8	CHM.0500	1	Does the l	NOTE: An							
9	CHM.1000	2	Does the l	NOTE: The list of analytes for which CAP requires proficiency testing is available on the CA							
10	CHM.1010	2	For tests f	NOTE:							
11	CHM.1020	2	Does the l	NOTE:							
12	CHM.1030	2	Is there on	NOTE:							
13	CHM.1043	2	Is there a policy that prohibits interlaboratory communication about proficiency testing samples until aft								
14	CHM.1046	2	Is there a	NOTE: Under CLIA-88 regulations, there is a strict prohibition against referring proficiency t							
15	CHM.1050	2	Does the c	NOTE:							
16	CHM.1060	2	Is there a documented procedure describing methods for patient/client identification, patient/client prep								
17	CHM.1070	2	Is there evidence of ongoing evaluation of records of controls, instrument maintenance and function, tes								
18	CHM.1080	2	Is there a	NOTE:							
19	CHM.1090	2	Are the res	NOTE: The CAP does NOT require supervisory review of all test results. This question add							
20	CHM.1095	2	For tests that are waived under CLIA-88, does the laboratory follow manufacturer instructions?								
21	CHM.1100	2	Is a compl	NOTE 1:							
22	CHM.1110	2	Is there dc	NOTE: The director must ensure that the collection of policies and technical protocols is co							
23	CHM.1120	2	Does the c	NOTE: Current practice must match the policy and procedure documents.							
24	CHM.1130	2	Does the l	NOTE: The form of this system is at the discretion of the laboratory director. Annual proce							
25	CHM.1140	2	If there is a change in directorship, does the new director ensure (over a reasonable period of time) tha								
26	CHM.1150	2	When a procedure is discontinued, is a paper or electronic copy maintained for at least 2 years, recor								
27	CHM.1180	2	Are procedures adequate to verify the identity and integrity of samples, including capillary specimens, a								
28	CHM.1190	2	Are there c	NOTE: This question does not imply that all 'unsuitable' specimens are discarded or not ana							
29	CHM.1200	2	Is the disp	NOTE: This information is essential to proper patient/client test management and to the lab							
30	CHM.1213	2	Does the c	NOTE: Certain limited volume specimens may warrant the use of previously aliquotted spec							
31	CHM.1226	2	Is the aliku	NOTE: The inspector should observe the aliquoting process to determine whether the docu							
32	CHM.1233	2	For waived tests, does the laboratory follow manufacturer instructions for handling and storing reagent								
33	CHM.1240	2	Are	NOTE: The above elements may be recorded in a log (paper or electronic), rather than on							
34	CHM.1250	2	Are all rea	NOTE: Reagents must be stored as recommended by the manufacturer to prevent environr							
35	CHM.1260	2	Are all rea	NOTE: The laboratory must assign an expiration date to any reagents that do not have a m							
36	CHM.1270	1	Are comm	NOTE: Common interferences should be documented for each analyte measured with each							

# e-LAB Solutions Activity Menu with PT Options

LAMT\_LAMS - Windows Internet Explorer provided by College of American Pathologists

Contents First Prev Next Last Goto Page 1 of 2 100% Excel Export PDF Export Print



College of American Pathologists  
325 Waukegan Road, Northfield, Illinois 60093-2750  
800-323-1040 • <http://www.cap.org>  
*Advancing Excellence*

**Laboratory Accreditation Program**  
**Laboratory Activity Menu**  
SU: 1482853 - Hematology

Page 1 of 2  
03/13/2009 11:35 AM

CAP Number:  
Laboratory:  
City/State(Province):

[Checklist Selection Report](#)  
[Master Activity Menu](#)  
[Missing PT Enrollment Report](#)  
[PT Enrollment Guide](#)  
[Test Menu Change Form](#)

Department /Section: Hematology

Subdiscipline	Test/Activity	Test / Activity ID	PT Required	Alternative Assessment Required	Scope of Service/Analytic Method	2009 Missing PT Enrollment
Body Fluid Analysis	Body fluid cell count, manual	2094	Y			
Body Fluid Analysis	Body fluid differential/cell identification	2095	Y			
Coagulation	D-dimer, quantitative	2273	Y			
Coagulation	Fibrinogen	1302	Y			
Coagulation	PT, plasma	1303	Y			
Coagulation	PTT, plasma	1305	Y			
Hematology	Bone marrow collection (assist)	806			Y	
Hematology	ESR, manual, waived	2696		Y		
Hematology	Hematocrit, non-waived	2722	Y			
Hematology	Hemoglobin, non-waived	197	Y			
Hematology	nRBC count, automated	2186		Y		
Hematology	Platelet count, automated	198	Y			
Hematology	RBC count	201	Y			
Hematology	RBC indices (e.g. MCV, RDW)	219		Y		
Hematology	Reticulocyte count, automated	2895	Y			
Hematology	Reticulocyte count, manual	2896	Y			
Hematology	WBC count, automated	203	Y			
Hematology	WBC differential, automated	2898	Y			

For activities requiring alternative assessment, laboratories can use PT provided by the CAP or other providers.  
NOTE: Activities noted as Scope of Service / Analytical Method do not require PT or alternative assessment.

College of American Pathologists

LAMT\_LAMS

# Accreditation Resources

Welcome  
Joan Rose

**e-LAB Solutions**

- Proficiency Testing/Quality Management
- Laboratory Accreditation
- Competency Assessment
- Administration Options

**Personalized Options**

- Training Schedule
- Pay Dues Online
- Admin Tools
- Change My Password
- Update My Profile

**Online Submission**

- Web Content

[Logout](#)


**REFER A COLLEAGUE FOR CAP MEMBERSHIP**

**2009 SURVEYS**  
[VIEW THE CATALOG](#)

**2009 EXCEL**  
[VIEW THE CATALOG](#)

## Accreditation and Laboratory Improvement

**NOW AVAILABLE**




**Your Custom Accreditation Checklists Online**



CAP accreditation decisions are made under the leadership of Robert R. Rickert, MD, FCAP. Dr. Rickert has been an integral part of the CAP Laboratory Accreditation Program since 1976.

View our latest products through our **NEW** virtual catalogs!




**2009 SURVEYS**



**2009 EXCEL**

**Locate a CAP accredited laboratory.**



[LEARN MORE](#)

**CAP 15189<sup>SM</sup> Accreditation Program**

[About CAP 15189](#)

**LAP Accreditation and Inspection Information**

- About CAP Accreditation
- What's New
- About Accreditation Checklists
- Preparing to Inspect/Training
- Virtual Library of Past Audioconferences
- LAP Resources for Laboratories
- Proficiency Testing Performance
- Specialty Accreditation Programs
- Applying for the Accreditation Program
- Accredited Laboratory Directory

**Surveys/EXCEL Proficiency Testing**

- What is proficiency testing
- New Products for 2009 (PDF, 188 KB)
- Catalogs and Shipping Calendars
- Proficiency Testing Manuals
- Order Deadline Information
- Customer Support
- CMS Analyte Reporting Selections (PDF, 30 K)
- Master List Information for Manufacturers

**Quality Assurance Programs**

- Quality Management Tools Catalog (PDF, 702 K)
- Q-PROBES
- Q-TRACKS
- LMIP

**PAP PT Cytology Proficiency Testing**

- About PAP PT
- Pap Slide Donation Program
- PAP PT Appeal Process and Submission

**Anatomic Pathology Education Programs**

- What are the Anatomic Pathology Education Programs?
- Anatomic Pathology Education Programs Continuing Education

**eNews**

- Winter 2009

**eAlert**



## LAP Resources for Laboratories

- Accreditation Standards and Manuals
- Laboratory Change Forms
- Master Activity Menu Reports
- Deficiency Responses and Root Cause Analysis Template

# Accreditation Resources – LAP Resources for Laboratories

Welcome  
Joan Rose

**e-LAB Solutions**

- > Proficiency Testing/Quality Management
- > Laboratory Accreditation
- > Competency Assessment
- > Administration Options

**Personalized Options**



- > Education Transcript
- > Pay Dues Online
- > Admin Tools
- > Change My Password
- > Update My Profile

**Online Submission**

- > Web Content

[Logout](#)

**REFER A COLLEAGUE FOR CAP MEMBERSHIP**

## LAP Resources for Laboratories

Updated February 2, 2009

**Accreditation Standards and Manuals**

- Standards for Laboratory Accreditation
- Standards for Forensic Drug Testing Accreditation (FDT)
- Standards for Reproductive Laboratory Accreditation (RLAP) (PDF, 867 K)
- Laboratory Accreditation Program Manual, July 2007 Edition (PDF, 1.4 MB)
- Minimum Guidelines for the Retention of Laboratory Records (PDF, 12 K)
- Surgical Specimens to be Submitted to Pathology for Examination (PDF, 140 K)

**Laboratory Change Forms**

- Instructions for Changing Laboratory Information (PDF, 54 K)
- Notification of Change Form (PDF, 69 K)
- Laboratory Director Qualification and Responsibility Form Attachment A (PDF, 241 K) | Attachment B (PDF, 33 K)
- Test Menu Change Form (PDF, 129 K)
- Self-Evaluation Verification Form (PDF, 184 K) (Word, 192 K)

**Laboratory Resources**

[Tips for Avoiding Proficiency Testing Referral Frequently Asked Questions](#)

[2008 Schedule of LAP Audioconferences](#) 2008 Schedule of LAP Audioconferences

[Frequently Asked Questions About Three-Month Window of Unannounced Inspections](#)  
Frequently Asked Questions—The unannounced inspection window has been abbreviated from six to three months.

[One Hour Security Notice for Unannounced Inspections](#)  
Frequently Asked Questions—Learn more about the LAPs new notification process.

**Master Activity Menu Reports**

Updated February 2, 2009

- LAP Master Activity Menu Report (PDF, 1 MB) (Excel, 618 KB)
- Reproductive Laboratory Accreditation Program Master Activity Menu Report

**Related Links**

- Accreditation Checklists
- Proficiency Testing Exception Summary
- Specialty Accreditation Programs
- Accredited Laboratory Directory
- Commissioner Directory (PDF, 70 K)
- 2009 Schedule of LAP Audioconferences
- Virtual Library of Past Audioconferences

# Accreditation Resources – Virtual Library of Past Audioconferences

Home

Joan Rose

**e-LAB Solutions**

- Proficiency Testing/Quality Management
- Laboratory Accreditation
- Competency Assessment
- Administration Options

**Personalized Options**

- Education Transcript
- Pay Dues Online
- Admin Tools
- Change My Password
- Update My Profile

**Online Submission**

- Web Content

Logout

REFER A COLLEAGUE FOR CAP MEMBERSHIP

2009 SURVEYS  
VIEW THE CATALOG

2009 EXCEL<sup>®</sup>  
VIEW THE CATALOG

Audioconferences

## Virtual Library of Past Audioconferences

Updated February 5, 2009

About Web-based Audioconferences

Each on-line audioconference consists of a pre-recorded audiofile of a live broadcast and handout materials. The sessions are available approximately three weeks following the live broadcast. Starting in 2009, files are provided in an MP3 format and are downloadable to portal devices.

As a participant in these audioconferences, you will:

- Enhance your knowledge of the inspection process
- Become familiar with changes in Checklist questions
- Understand the intent and interpretation of Checklist questions
- Expand your knowledge of what constitutes compliance

**Target Audience:**  
Practicing pathologists, laboratory professionals, and pathology residents

**Program Level:**  
Basic - Intermediate. Prior working knowledge of the CAP inspection process and Checklist content is recommended.

**Technical Requirements**  
These audioconferences require Adobe Acrobat Reader for opening the hard copy of the slides/handouts. Visit our technical environment page for information about plug-ins.

E-mail the [education department](#) if you need further technical assistance with this course.

The information contained in this resource is intended solely for education and communication purposes and is not intended to constitute medical advice. The CAP expressly disclaims any and all liability for any information included in this resource.

Audioconference Topics

**Simple Tests, Tough Problems: Patient Care and Laboratory Inspection in Coagulation**  
January 21, 2009  
John D. Olson, MD, PhD, FCAP

Objectives:

After participating in this session, you will be able to describe patient care and accreditation issues regarding:

- ProTime/INR
- ISI Sensitivity: Critical Values

Related Links

- Laboratory Accreditation Program Audioconferences

# Accreditation Resources

Welcome  
Joan Rose

**e-LAB Solutions**

- Proficiency Testing/Quality Management
- Laboratory Accreditation
- Competency Assessment
- Administration Options

**Personalized Options**

- Training Schedule
- Pay Dues Online
- Admin Tools
- Change My Password
- Update My Profile

**Online Submission**

- Web Content

[Logout](#)


**REFER A COLLEAGUE FOR CAP MEMBERSHIP**

**2009 SURVEYS**  
[VIEW THE CATALOG](#)


**2009 EXCEL**  
[VIEW THE CATALOG](#)

## Accreditation and Laboratory Improvement

**NOW AVAILABLE**




**Your Custom Accreditation Checklists Online**




CAP accreditation decisions are made under the leadership of Robert R. Rickert, MD, FCAP. Dr. Rickert has been an integral part of the CAP Laboratory Accreditation Program since 1976.

View our latest products through our **NEW** virtual catalogs!




**2009 SURVEYS**



**2009 EXCEL**

**Locate a CAP accredited laboratory.**



[LEARN MORE](#)

**CAP 15189<sup>SM</sup> Accreditation Program**

- About CAP 15189

**LAP Accreditation and Inspection Information**

- About CAP Accreditation
- What's New
- About Accreditation Checklists
- Preparing to Inspect/Training
- Virtual Library of Past Audioconferences
- LAP Resources for Laboratories
- Proficiency Testing Performance
- Specialty Accreditation Programs
- Applying for the Accreditation Program
- Accredited Laboratory Directory

**Surveys/EXCEL Proficiency Testing**

- What is proficiency testing
- New Products for 2009 (PDF, 188 KB)
- Catalogs and Shipping Calendars
- Proficiency Testing Manuals
- Order Deadline Information
- Customer Support
- CMS Analyte Reporting Selections (PDF, 30 K)
- Master List Information for Manufacturers

**Quality Assurance Programs**

- Quality Management Tools Catalog (PDF, 702 K)
- Q-PROBES
- Q-TRACKS
- LMIP

**PAP PT Cytology Proficiency Testing**

- About PAP PT
- Pap Slide Donation Program
- PAP PT Appeal Process and Submission

**Anatomic Pathology Education Programs**

- What are the Anatomic Pathology Education Programs?
- Anatomic Pathology Education Programs Continuing Education

**eNews**

- Winter 2009

**eAlert**

# Accreditation Resources - eAlert

Joan Rose

**e-LAB Solutions**

- > Proficiency Testing/Quality Management
- > Laboratory Accreditation
- > Competency Assessment
- > Administration Options

**Personalized Options**

- > Education Transcript
- > Pay Dues Online
- > Admin Tools
- > Change My Password
- > Update My Profile

**Online Submission**

- > Web Content

[Logout](#)

**REFER A COLLEAGUE FOR CAP MEMBERSHIP**

**2009 SURVEYS**  
VIEW THE CATALOG

**2009 EXCEL®**  
VIEW THE CATALOG

**e-Alerts**



**2009**

**February**

- [e-LAB Solutions PT Web Page Has a New Look](#)

**January**

- [2009 P-A Shipment Delay](#)
- [CAP Announces 2009 U-A Survey Replacement Kit](#)

**2008**

**December**

- [Compliance Tips to Avoid Deficiencies](#)

**November**

- [CAP Announces New Delivery Service](#)

**May**

- [Avoiding PT Referral Sanctions](#)

cap 09 DE

CAP

SURVEYS EXCEL® VIEW CATALOGS

CAP TODAY

ARCHIVES Pathology & Laboratory Medicine

cap STS

CAP Foundation

Every number is a life.™



© 2009 College of American Pathologists. All rights reserved. | [Terms and Conditions](#)

Done

Trusted sites

100%

# Accreditation Resources - eNews



The screenshot shows the CAP website's navigation and content for the eNews Winter 2009 issue. The top navigation bar includes links for Committees & Leadership, Calendar of Events, Media Center, CAP Foundation, and SNOMED. The main header features the CAP logo and a search bar. The left sidebar contains links for Home, Advocacy, Reference Resources and Publications, Education Programs, Accreditation and Laboratory Improvement, and Members. The main content area displays the eNEWS banner, the issue date (January 26, 2009), and a list of featured articles under the 'In This Issue' section.

**College of American Pathologists** | About CAP | Career Center | Contact Us | RSS | Search: [ ] Go [Advanced Search]

Home | Advocacy | Reference Resources and Publications | Education Programs | Accreditation and Laboratory Improvement | Members

CAP Home > CAP Accreditation and Laboratory Improvement > eNews - Winter 2009

**eNEWS**

Posted January 26, 2009

**Winter 2009**

Welcome to the winter edition of eNEWS, the newsletter designed to provide information about the Proficiency Testing, Laboratory Accreditation Program, and Education divisions of the College of American Pathologists (CAP).

**In This Issue**

- Every number is a life™ Campaign Raises Awareness
- As Quality Standards Go Up and Your Resources Go Down, How Do You Manage?
- New from CAP Press
- Education Division of CAP Receives Top Honor
- In the Laboratory, What's the Difference Between "Good-Enough" and "Excellent?"
- Have You Discovered e-LAB Solutions™ Yet?
- CAP Adds New CAP 15189 Accreditation
- New Dermatopathology Survey Available for 2009

**REFER A COLLEAGUE FOR CAP MEMBERSHIP**

**2009 SURVEYS** | **2009 EXCEL®**

VIEW THE CATALOG | VIEW THE CATALOG

cap'09 bc | CAP | SURVEYS EXCEL® | CAP TODAY | ARCHIVES | cap STS | CAP Foundation | Every number is a life™

© 2009 College of American Pathologists. All rights reserved. | Terms and Conditions



# CAP Education Resources



The screenshot shows the CAP Education Resources website. The top navigation bar includes links for Committees & Leadership, Calendar of Events, Media Center, CAP Foundation, and SNOMED. The main navigation bar highlights 'Education Programs' in a yellow box. The left sidebar contains sections for Welcome (Joan Rose), e-LAB Solutions (Proficiency Testing, Quality Management, Laboratory Accreditation, Competency Assessment, Administration Options), Personalized Options (Education Transcript, Pay Dues Online, Admin Tools, Change My Password, Update My Profile), and Online Submission (Web Content). The main content area features a large image of a man in a lab coat, a section titled 'Experience the CAP Difference' with links for CAP for Residents, Health and Wellness Resources for the Public, and a notice about CAP Education activities being unavailable from March 14 through March 22. Below this are sections for CAP 15189 SM News, eCC in XML Format, e-LAB Solutions™ Just Got Better, and Advocacy News. The bottom of the page includes logos for cap09 DC, SURVEYS EXCEL®, CAP TODAY, ARCHIVES, cap STS, CAP Foundation, and Every number is a life™.

# Education Programs

## Course Catalog

 [Search/View all courses](#)

*Access the links to view course details*

- [Accreditation Education Activities](#)
- [Anatomic Pathology](#)
- [Annual Meetings](#)
- [Archives Test Your Memory Program](#)
- [EXCEL](#)
- [Practice Management](#)
- [Q-PROBES and Q-TRACKS](#)
- [Surveys](#)
- [SNOMED Terminology Solutions](#)

## Education Resources

- [Frequently Asked Questions](#) (HTML | PDF | Microsoft Word)
- [Quick Guide](#) (PDF)
- [Visual Tours](#) **COMING SOON**
- [Technical Requirements](#)

## Featured Education Programs

### Competency Assessment Program



The most convenient and comprehensive competency assessment program that you can order for your laboratory. [Details on Competency](#)

### Maintenance of Certification



The board certification program for assessment of continuing competence of physicians... [Details on MOC](#)

### SNOMED Terminology Solutions



The world's leading and most trusted resource for SNOMED CT expertise and advice. We can help you achieve the clinical and business outcomes enabled by SNOMED CT and other clinical medical terminologies and classifications... [Details on CAP STS](#)

## What's New

[2009 VBP-A Lung Lesions](#)

[CPT Coding Tutorial](#)

[Team Leader Update Training](#)

### New from CAP Press



[CAP Practical Guide to Gynecologic Cytopathology](#)



[An Algorithmic Approach to Hemostasis Testing](#)



# Learning Management System – Continuing Education CME/CE

## Accreditation Education Activities

- Inspector Training
- Optional Educational Activities – Accreditation Checklist Activities; Laboratory Accreditation Manual Activity; Continuing Compliance Audioconferences; Specialty Seminars
- Surveys Education

## 2008 Surveys Education Activities

			Name 	Start Date	End Date
<a href="#">Register</a>			 Online Course: <a href="#">ABT-B 2008: The Purpose and Clinical Applications of Anti-A Titers</a>		
Intended Audience: Medical technologists, laboratory technicians, and practicing pathologists from a laboratory that participated in the ABT-Titer Survey product. Description: Staff from laboratories participating in the ABT-B 2008... <a href="#">--more--</a>					
<a href="#">Register</a>			 Online Course: <a href="#">AL1-C 2008: The Non-Ethanol Volatiles and Ethylene Glycol</a>		
Intended Audience: Medical technologists, laboratory technicians, and practicing pathologists from a laboratory that participated in the AL1-Blood Alcohol/Volatiles Survey product. Description: Staff from laboratories participating in ... <a href="#">--more--</a>					
<a href="#">Register</a>			 Online Course: <a href="#">AL2-C 2008: The Non-Ethanol Volatiles and Ethylene Glycol</a>		
Intended Audience: Medical technologists, laboratory technicians, and practicing pathologists from a laboratory that participated in the AL2-Blood Alcohol/Volatiles Survey product. Description: Staff from laboratories participating in the AL... <a href="#">--more--</a>					

## LAP Education Activities – Preparing to Inspect

- Team Leader/Team Member On-Line Training
- Team Leader Workshops
- Specialty Seminars
- Inspection Preparation

# LAP Education Activities

Assess	Learning Menu	Role
My Education Home > Learn - Catalog > Categories		
Thursday, March 05, 2009 9:58:04 AM CST Eleanore Wojewoda		
<h2>Catalog</h2> <p>This page displays categories in the catalog. Browse the catalog by clicking on a category name or perform a search to look for a particular category. This search will return only categories; if you want to search for training items organized into categories, you must do that from the Home page.</p> <p>Search the catalog: <input type="text"/> <a href="#">Help</a> <input type="button" value="GO"/></p>		
<h3>Accreditation Education Activities</h3> <ul style="list-style-type: none"> <li>Inspector Training (fulfills training requirement)</li> <li>Optional Educational Activities</li> </ul>	<h3>EXCEL</h3> <ul style="list-style-type: none"> <li>2008 EXCEL Education</li> </ul>	<h3>Q-PROBES and Q-TRACKS</h3> <ul style="list-style-type: none"> <li>Q-PROBES</li> <li>Q-TRACKS</li> </ul>
<h3>Anatomic Pathology</h3> <ul style="list-style-type: none"> <li>Autopsy and Forensic Pathology Self-Assessment</li> <li>Dermatopathology</li> <li>Histotechnology</li> <li>Interlaboratory Comparison Program in Non-Gynecologic Cytopathology (NGC)</li> <li>Maintenance of Certification (MOC): Self Assessment Modules (SAM)</li> <li>Molecular Pathology</li> <li>Online Digital Slide Program in Fine Needle Aspiration (FNA)</li> <li>PAP PT (Gynecologic Cytology PT Program) and PAP Education (Interlaboratory Comparison Program in Gynecologic Cytopathology)</li> <li>Virtual Biopsy Program (VBP)</li> </ul>	<h3>National Meetings</h3> <ul style="list-style-type: none"> <li>CAP Annual Meeting Education</li> </ul>	<h3>SNOMED Terminology Solutions (STS) Education</h3> <ul style="list-style-type: none"> <li>STS Live Classroom Sessions</li> <li>STS Self Directed Learning</li> <li>STS Web Teleconferences</li> </ul>
<h3>Archives Test Your Memory CME Program</h3> <ul style="list-style-type: none"> <li>Archives Test Your Memory CME Program</li> </ul>	<h3>Practice Management</h3> <ul style="list-style-type: none"> <li>CPT Coding Tutorial</li> <li>Virtual Informatics College</li> <li>Virtual Management College (VMC) Live Audioconferences</li> <li>VMC Post-Session Materials and Audio Files for Download</li> </ul>	<h3>Surveys</h3> <ul style="list-style-type: none"> <li>2008 Survey Education</li> </ul>

# Inspector Training (Meets Training Requirements)

---

## Subcategories

[Initial Team Leader Training](#)

[Team Leader Update Training](#)

[Initial Team Member Training](#)

[Team Member Update Training](#)

[Specialty Seminars](#)

[Workshops for Team Leaders](#)

# LAP Education Activities – Optional

---

## Subcategories

Accreditation Checklist Activities

Laboratory Accreditation Manual Activity

Continuing Compliance Audioconferences

Specialty Seminars

# Accreditation Checklist Activities

			Name 	Start Date	End Date
<a href="#">Register</a>			 Course: <a href="#">LAP: Anatomic Pathology Checklist Activity (Sep 2007)</a> Intended Audience: Practicing pathologists, laboratory professionals, and pathology residents preparing for a laboratory inspection. Description: Standards for Laboratory Accreditation are the fundamental principles by which the CAP accredits laboratories. <a href="#">--more--</a>		
<a href="#">Register</a>			 Course: <a href="#">LAP: Chemistry and Toxicology Checklist Activity (Sep 2007)</a> Intended Audience: Practicing pathologists, laboratory professionals, and pathology residents preparing for a laboratory inspection. Description: Standards for Laboratory Accreditation are the fundamental principles by which the CAP accredits laboratories. <a href="#">--more--</a>		
<a href="#">Register</a>			 Course: <a href="#">LAP: Cytogenetics Checklist Activity (Sep 2007)</a> Intended Audience: Practicing pathologists, laboratory professionals, and pathology residents preparing for a laboratory inspection. Description: Standards for Laboratory Accreditation are the fundamental principles by which the CAP accredits laboratories. <a href="#">--more--</a>		

## 2009 LAP Audioconferences

			Name	Start Date	End Date
<a href="#">Register</a>			Class: <a href="#">04-15-2009 LAP Audioconference - Unannounced Inspections: A Guide for Continual Readiness</a>	Wednesday, April 15, 2009	Wednesday, April 15, 2009
			Description: You have just received the page that the laboratory inspectors are on site. During the initial moment of panic, you wonder what you have done differently to be more prepared. This session will provide you with suggestions and approach... <a href="#">--more--</a>		
<a href="#">Register</a>			Class: <a href="#">05-20-2009 LAP Audioconference - Accreditation Requirements in Molecular Pathology</a>	Wednesday, May 20, 2009	Wednesday, May 20, 2009
			Description: The molecular pathology laboratory performs tests using FDA approved kits as well as laboratory developed assays. Verification of these assays in the laboratory need to be addressed from an analytical as well as a clinical perspective... <a href="#">--more--</a>		
<a href="#">Register</a>			Class: <a href="#">06-17-2009 LAP Audioconference - The Rules, Tools and Jewels of the Cytopathology Laboratory Inspection</a>	Wednesday, June 17, 2009	Wednesday, June 17, 2009
			Objectives: As a result of participating in this activity, you will be able to: Discuss CLIA' 88 and compliance requirements unique to the Cytopathology laboratory Explain the rationale behind the new/recent checklist requirement changes as they apply... <a href="#">--more--</a>		



## Department Contacts

**Customer service:** (800) 323-4040, Option 1

**Proficiency Testing:** (800)323-4040, Option 1

**Accreditation:**

**Technical (800)323-4040- ext. 6065**

**Pre-Inspection: ext. 6055**

[accred@cap.org](mailto:accred@cap.org)

**Education:** (800) 323-4040, ext. 7525

# Questions?

# Thank You!