

Guidelines-LMPGs

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January 12, 2006



**THE NATIONAL ACADEMY
OF CLINICAL BIOCHEMISTRY**

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The National Academy of Clinical Biochemistry is the Academy of the American Association for Clinical Chemistry (AACC) and is dedicated to advancing the science and practice of clinical laboratory medicine through research, education, and professional development. The Academy is a leading advocate for scholarship through scientific research and it conducts educational programs to promote scientific discovery, application, and integration. It publishes Laboratory Medicine Practice Guidelines (LMPG) for the application of clinical biochemistry to medical diagnosis and therapy.



Published Thyroid LMPG - Now Online!
Laboratory Support for the Diagnosis and Monitoring of Thyroid Disease

Published Hepatic Injury LMPG - Now Online!
Laboratory Guidelines for Screening, Diagnosis, and Monitoring of Hepatic Injury
Now available in word and PDF Formats

Published Cardiac LMPG - Now Online!
Recommendations For The Use Of Cardiac Markers In Coronary Artery Diseases
Now Available in Word and PDF Formats

New!
Emergency Toxicology LMPG
Recommendations for the Use of Laboratory Tests to

Internet

NACB LMPG

- The National Academy of Clinical Biochemistry (NACB) has published Laboratory Medicine Practice Guidelines (LMPG) that are used as practice guidelines in clinical and laboratory medicine
- “Evidence-Based Practice for Point-of-Care Testing”
- Divided into disease- and test-specific focus areas

Published NACB LMPGs

■ Nutritional Status	1994
■ Thyroid Disease (1st edition)	1996
■ Newborn Infant	1998
■ Therapeutic Drug Monitoring	1999
■ Cardiac Markers	1999
■ Hepatic Injury	2000
■ Diabetes Mellitus	2002
■ Thyroid Disease (2nd edition)	2002
■ Tumor Markers in the Clinic	2003
■ Emergency Toxicology	2005
■ Maternal-fetal Risk Assessment	2006
■ Biomarkers of ACS	2007
■ Point of Care Testing	2007
■ Tumor Marker Quality Requirements	2008
■ Expanded Newborn Screening	2008

EXAMPLES of POCT Recommendations

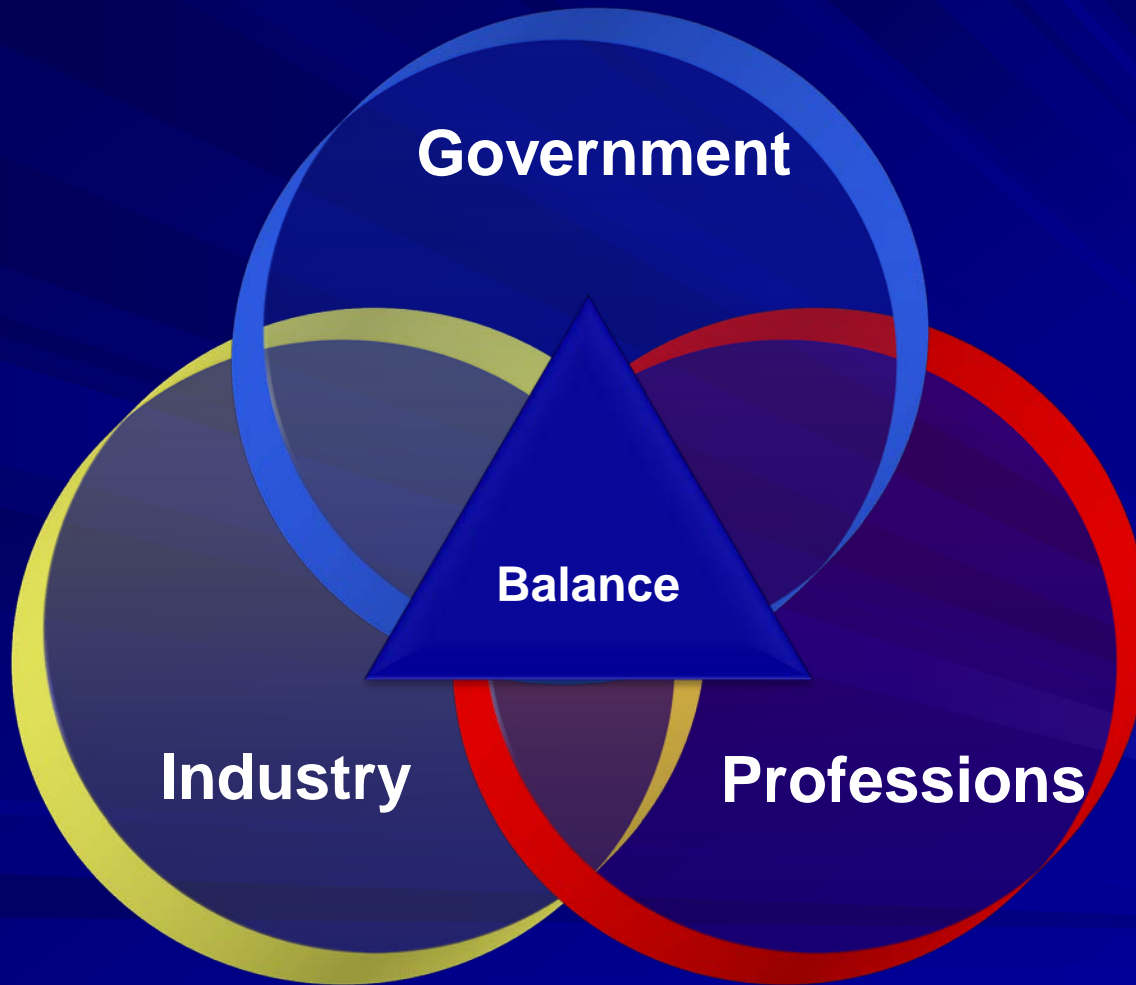
- Diabetes self-management
- Infectious Disease
- Colorectal Cancer (CRC) Screening: Fecal Occult Blood Tests (FOBT)
- pH Testing for Chemical Burns and Nasogastric Tube Placement
- Renal Function
- Reproductive Testing

CLSI Name



Name change in 2005 to reflect global constituencies

CLSI Consensus Process

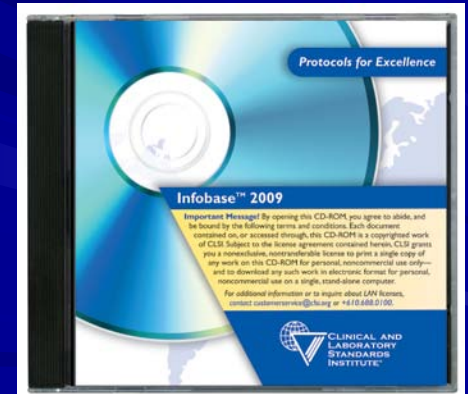
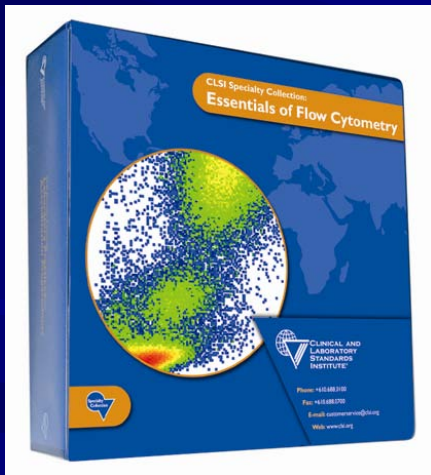


Standard or Guideline?

- A **standard** must be followed exactly as written.
 - Written using verbs such as *will*, *must*, and *shall*
- A **guideline** may be modified by the user.
 - Written using verbs such as *should*, *could*, *may*, or *might*

CLSI standards and guidelines

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Examples of CLSI Point-of-Care (POC) Testing: Selected Approved Level Documents

- POCT04-A2: Point-of-Care *In Vitro* Diagnostic Testing; 2nd Edition
- POCT02-A: Implementation Guide of POCT01 for Health Care Providers
- AST04-A2: Glucose Monitoring in Settings Without Laboratory Support; 2nd Edition
- C30-A2: Point-of-Care Blood Glucose Testing in Acute and Chronic Care Facilities; 2nd Edition
- H49-A: Point-of-Care Monitoring of Anticoagulation Therapy
- HS02-A: Provider-Performed Microscopy Testing

Examples of CLSI Point-of-Care (POC) Testing: Selected Proposed Level Documents

- POCT09-P: Selection Criteria for Point-of-Care Testing Devices
- POCT06-P: Guidelines for Comparison of Glucose Results Measured by Methodologies That Use Different Sample Types
- POCT07-P: Quality Management: Approaches to Reducing Errors at the Point of Care
- POCT08-P: Quality Practices in Noninstrumented Near-Patient Testing: A Comprehensive Instructional Guideline