# ISSUED July, 2003

**REVISED December, 2009**

# SUPERSEDES Clinical Laboratory Scientist II

# TITLE Medical Laboratory Scientist CLASSIFICATION GRADE 06

#  SPECIALTY GRADE 48

## BASIC FUNCTION AND RESPONSIBILITY

Utilizing a variety of procedures involving highly complex analytical lab test methodology and techniques, perform quantitative and qualitative clinical laboratory analysis on biological specimens such as blood, tissue and body fluids. These procedures will utilize a variety of procedures, many involving numerous highly complex tests and techniques that require the use of professional judgment. Provide technical expertise and information used to diagnose, prevent or treat disease.

## CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Perform highly complex quantitative and qualitative analysis on chemical, hematological, microbiological or immunology clinical and research specimens.

Provide technical direction and oversight on all levels of testing complexity and analysis on biological specimens such as blood, tissue/organs and body fluids.

Conduct comprehensive evaluation of laboratory test results. Provide information to health care provider regarding test methodology and interpretation.

Provide technical assistance and training to staff on interpretation of quality assurance issues.

Provide mentoring and oversight to staff when investigating and initiating corrective action for quality assurance issues involving patient samples.

Provide assistance and input on performance evaluation measures for staff.

Perform statistical analysis of quality control data associated with assigned laboratory testing and initiate corrective action based on statistical results.

Report and document variances according to regulatory agency guidelines.

Responsible for the operation, calibration, maintenance and troubleshoot laboratory instrumentation. Participate in evaluation of equipment and recommend product for acquisition.

Evaluate reagent comparisons and results, and recommend changes to reduce costs and improve efficiency.

Assure compliance with applicable regulatory and accreditation requirements of the laboratory section (JCAHO, CAP, FDA, AABB).

 Write and revise laboratory procedures according to NCLLS guidelines.

Train and instruct new staff members and other health care professional (residents, medical students, etc.) on test techniques, development and test interpretation.

Provide positive and professional training for the Clinical Laboratory Scientist Clinical Training Program within the section.

Provide performance management feedback and may provide input into performance evaluations.

Maintain effective working relationships with faculty, staff, students and the public.

*In addition to the duties and responsibilities noted above, the position description must include statements from*[*UI Health Care Core Values (WECARE)*](https://uihc.org/mission-vision-and-core-values)*for Health Care positions or*[*Universal Competencies*](https://hr.uiowa.edu/careers/competencies/universal-competencies)*for all other positions.*

### SUPERVISION RECEIVED

Supervision is received from Medical Laboratory Scientist Supervisor, Assistant Laboratory Manager, Laboratory Manager, Laboratory Director, or other designated official.

### SUPERVISION EXERCISED

Functional supervision may be exercised over Medical Laboratory Technicians, support staff and/or students.

## QUALIFICATIONS

A Bachelor’s degree in a chemical, biological, clinical laboratory science, or medical technology program from an accredited institution.

Some (6 months – 1 year) clinical laboratory experience, which may include program training experience, is required.

\*\*Certification as a Medical Laboratory Scientist (MLS) or a categorical/specialist certification in the appropriate laboratory discipline from American Society for Clinical Pathologists (ASCP) or certification as a Medical Technologist (MT) from Health Education and Welfare (HEW) is required.

Excellent written and verbal communication skills are required.

\*\*MLS certification was formally known and equivalent to Medical Technologist accredited from American Society for Clinical Pathologists (ASCP) or National Credentialing Agency (NCA).