# ISSUED January, 2003

# REVISED September, 2021

# SUPERSEDES

# TITLE Cytogenetic Laboratory Specialist II CLASSIFICATION GRADE 06

# SPECIALTY GRADE 49

## BASIC FUNCTION AND RESPONSIBILITY

Perform highly specialized diagnostic cytogenetic and molecular tests for prenatal, congenital and cancer specimens according to established laboratory protocols and work to maintain and improve the clinical testing environment, capabilities and quality of data in the laboratory.

## CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Independently perform all aspects of cytogenetic, FISH or molecular wetbench procedures according to established protocols to provide high quality sample preparations with minimal supervision.

Accurately identify complex abnormalities in G-banded chromosomes (chromosome section) or arcuately scores FISH probes on non-FFPE samples (FISH section) or performs complete analysis of CMA or sequence data (Molecular section).

Correctly use ISCN or HGVS nomenclature when recording results.

Perform analysis of a variety of abnormal cases (e.g. different specimen types, indications and abnormalities).

Correctly write up cases using established report templates.

Maintain accurate records of all lab results, procedures and quality control metrics.

Evaluate sample quality and trouble shoot problems with the guidance of the section supervisor.

Perform additional tasks as may be assign by the section supervisor such as routine equipment maintenance, inventory and ordering of reagents.

Communicate any problems with equipment or specimen processing with section supervisor or lab director.

Aid in training new technologists under the direction of the section supervisor.

Comply with the appropriate safety and regulatory guidelines and work rules.

Participate in and help prepare for CAP inspections and ensure CAP compliance.

Attend and participate in laboratory staff meeting and continuing education programs.

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 a Director, Section supervisor or other designated official.

### SUPERVISION EXERCISED

Functional supervision may be exercised over support staff.

## QUALIFICATIONS

A Bachelor’s degree in Biological Sciences, Medical Technology, Clinical Laboratory

Sciences, a related scientific discipline, or an equivalent combination of education and experience is required.

Minimum of two years’ experience as a certified technologist in a clinical cytogenetics or molecular genetics lab is required.

Certification in Cytogenetics or Molecular biology by the American Society for Clinical Pathology (ASCP) or National Credentialing Agency (NCA) is required.

Must be able to function at the required capacity to meet caseload and turn around times including the ability to set priorities and to optimize the best use of time.

Demonstrated analytical skills with the ability to distinguish fine detail.

Excellent written and verbal communication skills are required.

Quality assurance experience with College of American Pathologists (CAP) and Clinical Laboratory Improvement Act (CLIA) laboratory standards is desired.

Familiarity and understanding of how chromosomes, FISH, and molecular techniques interact and broadly what they can detect are desired.

Demonstrated ability to work under pressure in a fast-paced environment is desired**.**