

## TOXICOLOGIST, CHIEF

## Nature of Work

Under administrative direction at the expert level, supervises the daily operation of the toxicology laboratory. Reviews all work performed at the laboratory. Isolates, identifies and quantitates toxic agents in biological fluid and tissue samples. Interprets analytical results and their significance for medical examiners, law enforcement officer, attorneys, or other personnel involved with the investigation of medicolegal deaths, including court testimony. Performs related work as required.

## Examples of Work

Instructs law enforcement officers, legal and medical personnel on proper analytical techniques.  
Establishes and develops toxicological laboratory procedures and determines toxicological laboratory techniques in order to maintain quality control of results.  
Plans and implements training programs.  
Supervises laboratory staff including selection and evaluation, review of test results and training.  
Maintains and calibrates analytical instruments.  
Maintains records and prepares reports.

## Knowledge, Skills and Abilities

Knowledge of the principles of analytical chemistry, pharmacy, biological science, forensic science and toxicology.  
Knowledge of laboratory protocol, procedure, and techniques associated with medicolegal investigative work.  
Ability to organize, direct and coordinate administratively and technically a small analytical laboratory.  
Ability to interpret and relate analytical results on causes and manner of death according to professional standards and ethical practices.

## Minimum Qualifications

TRAINING Doctorate in toxicology, biochemistry or pharmaceutical chemistry.  
EXPERIENCE Three years of post-doctorate (doctoral) experience in forensic toxicology.  
SPECIAL REQUIREMENTS Certification by the American Board of Forensic Toxicology.

Established: 8/20/92

Effective: 9/15/92