



SU-734

Apex-InVivo™ Operations



DESCRIPTION

Mirion's SU-734-3 training course provides comprehensive instruction for proper use of the Apex-InVivo software package to perform whole body counting and other direct bioassay measurements. Students will be introduced to the basic features and functionality of the Apex-InVivo software, and to the hardware components that are typically integrated with standard Mirion in vivo counting systems. With prior approval from the instructor, the course content can be adjusted to include an extended review of fundamental gamma spectroscopy principles and basic Genie™ software operations (with reduced coverage of advanced Apex-InVivo software features and setup options). Approximately 60% of this 3-day course will be presented in lecture format, with the remaining 40% allocated for group discussion and practical exercises.

HOW YOU WILL BENEFIT

Attendees who complete this course will become proficient with all standard features of Mirion's Apex-InVivo software package. This knowledge will enable attendees to perform in vivo counting operations and evaluate reported analysis results with improved productivity, accuracy, and confidence. Supervisors and managers will benefit from the knowledge and confidence gained by course attendees, ensuring a more efficient and defensible analytical process for their in vivo measurement program.

WHO SHOULD ATTEND

This course is intended for technical and supervisory personnel without any prior experience using Apex-InVivo software, but who will be responsible for setup, calibration, and/or routine operations of in vivo counting systems configured with and controlled by Mirion's Apex-InVivo software.

COURSE CONTENT

- Fundamental Principles of Gamma Spectroscopy and In Vivo Counting
- Basic Features of Genie and Apex-InVivo Software Packages
- Apex-InVivo Software Setup Options
- Routine Personnel Counting Operations
- Using the Genie Editors
- Acquisition Hardware Adjustments
- Energy/Shape and Efficiency Calibrations
- Data Analysis Parameters and Reporting Options
- Quality Assurance Features
- Data Review Options
- Apex-InVivo Database Considerations
- Draft Procedure for Routine Apex-InVivo Operations

PREREQUISITES

This training course is intended for students who are already familiar with basic principles of gamma spectroscopy, and who have some prior experience with Mirion's Genie software operations. Successful application of Apex-InVivo software requires proper use of the Genie Certificate File editor, Nuclide Library editor, QA File editor, and "analysis sequence" files. Prior completion of Mirion's Genie Basic Operations (SU-470) course (or equivalent experience) is strongly recommended.

ADDITIONAL INFORMATION

When this course is presented at a customer's site, students should have access to at least one integrated and calibrated Apex-InVivo counting system, and course content will be adjusted to emphasize the specific type(s) of counter(s) used at that site. When presented at one of Mirion's in-house training facilities, students will have access to gamma detection hardware and/or computers that can simulate NaI detector and Ge detector inputs typically used with Mirion's standard Apex-InVivo systems.