



**SU-479**

# Abacos™ 2000 System Operations

## DESCRIPTION

Mirion's SU-479 training course provides comprehensive instruction for proper use of the Abacos 2000 software package to perform whole body counting and other direct bioassay measurements. Students will be introduced to the basic features and functionality of the Abacos 2000 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 Abacos 2000 software features and setup options). Approximately 60% of this 4-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 Abacos 2000 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 Abacos 2000 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 Abacos 2000 software.

## COURSE CONTENT

- ✓ Fundamental Principles of Gamma Spectroscopy and InVivo Counting
- ✓ Basic Features of Genie and Abacos 2000 Software Packages
- ✓ Abacos 2000 Software Setup and Counter Maintenance 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
- ✓ Logbook and Personnel Database Considerations
- ✓ Draft Procedure for Routine Abacos 2000 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 Genie software operations. Successful application of Abacos 2000 software requires proper use of the Genie Certificate File editor, Nuclide Library editor, QA File editor, and "analysis sequence" files. Prior attendance of Mirion's Genie Basic Operations (SU-470) training course (or equivalent experience) is strongly recommended.

To register, visit  
[www.mirion.com/na-courses](http://www.mirion.com/na-courses)

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