E13 Identification of Precursor, Intermediate, and Final Products Routinely Seized From Clandestine Drug Labs by FTIR-ATR Spectroscopy

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After attending this presentation, attendees will learn how to select or implement scientific instrumentation software that will support and enhance their expert witness testimony.

This presentation will impact the forensic community and/or humanity by enlightening the forensic community of FDA regulated spectroscopy software that can enhance the quality of the analytical evidence presented in a court of law.

A bulletproof expert witness testimony requires more than thorough answer preparation and an established professional standing in the field. The basic foundation of forensic testimony relies on the quality of the analytical data that is presented. The quality of analytical findings can only be enhanced by using 21 CFR Part 11 compliant software. The United States Food and Drug Administration (FDA) has set forth these regulations (i.e., 21 CRF Part 11) and guidelines for the proper collection and storage of electronic records and data storage. The portion of these regulations that pertains to forensic testimony is the requirements for audit trail, security, and data integrity. Specifically, compliant software requires that all data collection, manipulation be assigned both user identification information and a time & date stamp. This poster will highlight the features of the regulations and how it pertains to enhancing the quality of forensic evidence presented in a court of law.

Expert Witness, Software, Spectroscopy

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