

Joint ICTP-IAEA Advanced Workshop on Enhancing Accelerator-Based Analytical Techniques for Forensic Science | (smr 3291)

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Validation and quality in forensic science

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Content

The priority for any forensic science institution is to report reliable analytical data and meaningful forensic interpretation scientific evidence. Therefore, international agreement concerning validation and quality control requirements is needed. Several international guidelines provide a standard for fundamental validation parameters such as selectivity, matrix effects, method limits, calibration, accuracy, precision and stability. Suggestions for experimental set-up, statistical approaches and straightforward acceptance criteria for validation of forensic applications will be suggested, based on the international experience of forensic institutions.

Summary

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