DESCRIPTION

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**TRL 3:** Application of an established technique or instrument to a specified area of forensic chemistry with measured figures of merit, some measurement of uncertainty, and developed aspects of intra-laboratory validation. TRL 3 methods should be practicable on commercially available instruments and results of the first inter-laboratory trials can also be reported as TRL 3 communications.

**TRL 4:** Refinement, enhancement, and inter-laboratory validation of a standardized method ready for implementation in forensic laboratories. New knowledge in this area can be immediately adopted or used in casework. Examples are case reports, fully validated methods or protocols that have undergone or are currently being considered by a standard development organization, measures of error rates and database development and reporting.

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