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TRMV41 Method validation (1)
9 March 2010, 3 days

Method validation is the process that provides evidence that a given analytical method, when correctly applied, produces results that are fit for purpose. No matter how well a method performs elsewhere, analysts need to confirm that the method is valid when applied in their laboratory. There is now a much greater emphasis on method validation in the ISO/IEC 17025 accreditation standard. Through a number of workshops, delegates build a validation protocol for a method of their choice.

What are the benefits?

This course will help you:

- Understand method validation and its requirements
- Select and apply the statistics required during method validation
- Select and use the appropriate types of method validation studies
- Appreciate and understand the links with measurement uncertainty and equipment qualification

Contents

The course will cover:

Day 1 - Essential statistics

- Introduction to statistics for method validation
- Significance testing –t-tests and the F-test
- Analysis of variance (ANOVA)
- Linear regression

Day 2 - Providing the tools

- Introduction to the concepts of method validation
- Building a validation protocol
- Performance parameters; precision, bias and ruggedness

Day 3 - Further tools

- Performance parameters; selectivity, LoD, LoQ, linearity and working range
- Using validation data to estimate measurement uncertainty
- Impact of equipment qualification on method validation

Who should attend?

This course is designed for analytical chemists and potential or existing laboratory managers who are involved in method development and method validation.

Start date/time	9 March 2010, 9.00am
Duration	3 days

Cost	£1250 + VAT (£1468.75)
Location	Teddington

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