



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

Introduction to Method Validation

2 day course

Classroom, online or in-house

Course overview

Validation demonstrates that a method does what the laboratory says it does, for the samples it will actually see. This course covers the practice. Delegates work through the validation parameters and what each one answers, including selectivity, linearity and range, accuracy and trueness, precision under repeatability and intermediate conditions, limits of detection and quantitation, and robustness. The distinction between validation and verification of a standard method is made clear, since laboratories routinely do more work than needed for the latter and less than needed for the former. The course closes on the validation plan and report, and on the decision of when a change to a method requires revalidation.

What you will learn

- Distinguish validation from verification of a standard method
- Select the validation parameters relevant to a given method
- Assess selectivity, linearity and working range
- Determine accuracy, trueness and precision
- Establish limits of detection and quantitation defensibly
- Test robustness against realistic variation
- Write a validation plan and report, and decide when to revalidate

Who should attend

- Analysts and method development staff
- Laboratory quality and technical managers
- Technical signatories
- Internal auditors of laboratories
- Graduate scientists entering laboratory roles

Course outline

- 01 What validation demonstrates, and to whom
- 02 Validation against verification of a standard method
- 03 Selectivity, linearity and working range
- 04 Accuracy, trueness and bias
- 05 Precision: repeatability and intermediate conditions
- 06 Limits of detection and quantitation
- 07 Robustness testing
- 08 The validation plan, the report, and when to revalidate

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 to 29 September 2026	Windhoek, Namibia	Classroom	R11,950
3 to 4 November 2026	Online	Online	R6,500
3 to 4 March 2027	Cape Town, South Africa	Classroom	R11,950

Fees and how to register

This 2 day course is **R6,500** per delegate online, **R11,950** in the classroom in South Africa, Botswana, Namibia,



Lesotho and Eswatini, and **USD 795** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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