Verifying Microbiological Methods in the Food Chain

The ISO 16140-3 Approach

Learning Objectives:

- Understand the principles and scope of ISO 16140-3 as it applies to the verification of microbiological methods in the food chain
- Apply the standard's requirements to design and execute verification studies under routine laboratory conditions
- Analyze data from verification studies, including results from qualitative and quantitative methods
- Evaluate the performance of microbiological methods and determine their fitness for intended use
- Justify the declaration of method suitability based on verification evidence and documented criteria

Target Audience:

This course is designed for microbiologists, analysts, and QA professionals working in food and feed testing.
Ideal for staff involved in implementing or verifying microbiological methods under ISO 16140-3.
Also suitable for R&D teams and regulatory personnel evaluating method performance.

Registration/information:

www.aim-consultoria.com

https://forms.gle/DJCS91Y8Ti2EdCUq9

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Verifying Microbiological Methods in the Food Chain

The ISO 16140-3 Approach

06- 11 November 2025

(Online)

TRAINING COURSE PROGRAM

- Introduction and framework for method verification
- Verification of method implementation
- Verification in the matrix
- Approach for qualitative methods:
  - Study of eLOD50: experimental design, preparation of working cultures, inoculation of test portions, evaluation of results
- Approach for quantitative methods:
  - Study of intralaboratory reproducibility: experimental design, preparation of working cultures, inoculation of test portions, evaluation of results
  - Study of eBias: experimental design, preparation of working cultures, inoculation of test portions, evaluation of results
- Evaluation of the method's performance characteristics and its fitness for intended purpose

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TRAINER: ANA MARTINS

Ana Martins holds a degree in Veterinary Medicine from the Faculty of Veterinary Medicine, Technical University of Lisbon. She completed postgraduate studies in Applied Microbiology at the School of Biotechnology of the Portuguese Catholic University and in Executive Management at the School of Advanced Studies of Beiras (EAB).
Since 1996, she has gained extensive experience in microbiological testing of food, water, environmental samples, and veterinary diagnostics, covering both routine analysis and method development.
Since 2004, she has worked as an internal auditor for ISO/IEC 17025 in the areas of Microbiology, Molecular Biology, and Veterinary Analysis. She also joined the IPAC Evaluator Pool that year as a Technical Assessor in food microbiology and veterinary testing.
In addition, she is an experienced trainer in laboratory-related subjects, including ISO/IEC 17025 and microbiological testing, and is a member of the Portuguese Technical Standardization Committee CT61 – Food Microbiology.

06 - 11 November 2025 (*Online*)

Timetable: *11h.30 - 14h.30 (CET)*

Price: 900 € + VAT (23%)

Registration Conditions

- Registration is considered complete only after confirmation from the organizing team.
- The course will be confirmed and the invoice issued only once the minimum number of participants has been reached.
- In case the minimum number is not met, participants will be informed in due time.
- Places are limited and assigned on a first-come, first-served basis.