

Characterise microbiological methods according to ISO 13843 in order to validate them

OBJECTIVES

- Know the recommended approaches depending on the microbiological parameters
- Know how to constitute the samples to use to characterise a method
- Get confident with statistical tools to assess the reliability of method performance estimates
- Optimise characterisation practices and link them to other quality control data (IQC, uncertainties, staff qualification...)

Provided since 2018

06 – 07 May 2026 - on-line

Duration: 2 days (14 hours)

Cost: **940 € excl. VAT**

For any intralaboratory request, contact us

TARGET AUDIENCE

Microbiological lab managers, microbiological technicians, Quality Managers

PROGRAMME

Day 1: 9 am – 5 pm

- **Presentation of performance characteristics**
 **Application:** Determination of sensitivity, specificity and selectivity (calculation of false positives, false negatives, use of statistical laws applied to microbiology)...
- **Design of methods' verification:** number of samples, number of measurements, recommended specifications...
- **Type of samples to use:** choice of strains, preparation of test samples, confirmations to carry out

Day 2: 9 am – 5 pm

-  **Methods' verification: case study**
Performance of categories, process of repeatability data, uncertainty of counting determination
⇒ Conclusions on the specifications' achievement
- **Other performance characteristics:**
Intralaboratory and interlaboratory reproducibility
Recovery (ISO 11133 and ISO 17994)
Robustness
High and low counting limits
- **Methods' characterisation: a dynamic tool linked to your Quality Control**

HIGHLIGHTS OF THE TRAINING SESSION

Application on a computer
Case studies taking into account lab practices and constraints
Round tables for feedback from experience

TRAINERS

Olivier Molinier: statistical biology manager, expert for the ISO, co-convenor of the TC 147 / SC 4 / WG21 in charge of the ISO 13843 standard revision

Eric Pierlot: engineer in charge of AGLAE's microbiological tests, president of the T90D AFNOR Commission and auditor for the French accreditation body Cofrac

