

## 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

**24 – 25 May 2023 - on-line**

Duration: 2 days (14 hours)

Cost: **900 € 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: a 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

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

