



# \* PROLab™ Webinar for the Evaluation of Interlaboratory Studies '20

Working with PROLab™

23-25 Sept. 2020

## Your Benefits at a Glance

- Get a practical understanding of the statistical basis behind method validation according to ISO 5725-2
- Understand the updated principles of proficiency testing according to ISO 13528 and ISO/IEC 17043
- Learn to visualize relationships between data in intuitive ways
- Get an introduction to sophisticated result interpretation methods to get the most out of your data

## QuoData Workshops and Webinars: Expanding Your QA Knowledge

QuoData's regular workshops and webinars disseminate the know-how acquired through more than 20 years experience in analytical quality assurance. This webinar series for the evaluation of interlaboratory studies gives participants the opportunity to get a clear understanding of the standards behind proficiency testing (PT) and method validation (MV). Throughout the webinars, participants are given the opportunity to get hands-on experience applying the methods discussed in the presentations by means of practical examples based on real-life data.

You can feel confident in our instructors who have many years of experience lecturing and are also recognized members of national and international committees for quality assurance standards.

# Outline

## Key topics at a glance

### Day 1, 23 September 2020

#### Method validation according to ISO 5725-2

- statistical basics
- different precision measures
- outlier identification and elimination
- distribution of test results
- practical evaluation with PROLab™

#### Proficiency testing according to ISO 13528

- statistical basics
- specifying and calculating assigned value and SDPA
- robust estimators
- different types of scores
- practical evaluation with PROLab™

### Day 2, 24 September 2020

#### Homogeneity and stability testing

- statistical basics
- trends in relation to production and testing order
- practical evaluation with PROLab™

#### Youden plot and laboratory assessment across samples

- statistical basics
- persistent vs. non-persistent bias
- blind duplicates
- RSZ and RLP
- practical evaluation with PROLab™

### Day 3, 25 September 2020

#### Hampel estimator based on lab uncertainties

- statistical basics
- measurement uncertainty in PT
- reliable consensus values even with few participants
- practical evaluation with PROLab™

#### Method-specific evaluation of interlaboratory studies

- statistical basics
- graphic visualization of test results corresponding to different methods
- equivalence testing
- separate evaluation per method
- practical evaluation with PROLab™
- Each day includes a dedicated session for examples and exercises.

Please note!

Registration is open until 17 September 2020

Webinar language – English

Dates – 23–25 September 2020

**Webinar duration** – The webinar series takes place over three consecutive days. The lecture content comprises approximately 3-4 hours a day, plus two breaks.

**Registration** – You can register, using our online form: <https://quodata.de/registration.php>  
Feel free to register for all three days or pick the days which are most interesting to you.

**Or register directly** via Wanda Wälisch:  
[wanda.waelisch@quodata.de](mailto:wanda.waelisch@quodata.de)  
Tel.: +49 – (0)3 51 – 40 28 86 7 42

### Participation Fee

The participation fee is € 300 per webinar day and participation (plus VAT). The total price for the webinar series is € 900 per participant (plus VAT). Each webinar day can be booked separately. If the event is canceled by QuoData GmbH the fees will be refunded in full.

Further claims against QuoData are excluded. QuoData reserves the right to cancel or reschedule the webinar due to insufficient demand. By submitting our online form, you are making a binding registration for participation. Fees associated with participation will be charged accordingly.

### PROLab™ – Software for PT Programs and Collaborative Studies

PROLab™ is a software family for planning, organizing, performing and analyzing interlaboratory tests – that is, for both proficiency tests assessing the performance of laboratories (typically acc. to ISO 13528) and collaborative studies for the validation of analytical methods (typically acc. to ISO 5725: 1-6).

In particular, PROLab™ provides all necessary features to meet the requirements of ISO/IEC 17043 on quality management and quality assurance for proficiency testing providers.  
PROLab is used and recommended by some of the most important PT providers worldwide.

### Webinar documents

The presentation slides will be sent to you by post as print-outs before the start of the webinar. You will receive a certificate of participation by post after completing the webinar. Please include the shipping address in the registration form. The cost of the webinar documents, the certificate of attendance and a 30-day PROLab™ trial are included in the participation fee.

### Technical Requirements

To participate you need a PC or laptop with a secure internet connection, a headset with a microphone and a webcam. You will receive the link to your booked webinar, including instructions on dialing in, by email a few days before the start of the webinar.