



A Two-Day Training Workshop

Establishing and ensuring method performance – Essentials of method validation,
internal quality control and proficiency testing

11-12 March 2026

Cleopatra Hotel, Nicosia, Cyprus

Day 1 – Wednesday 11 March 2026	
08:30 - 09:00	Registration and refreshments
09:00 - 09:30	Introductory session – Welcome address by Eurachem Chair (Eugenia Eftimie Totu) and the Pancyprian Union of Chemists (PUC) (Leontios Philotheou) – Introduction to Education & Training Working Group activities (Vicki Barwick) – Introduction to the Division of Quality Assurance of PUC (Kyriacos Tsimillis/Despina Charalambous) – Presentation of the tutors and the participants – Introduction – Scope and expectations of the training
09:30 - 10:15	Introduction to QA – how MV, IQC and PT fit together to ensure quality of data, requirements of accreditation standards ISO/IEC 17025 and ISO 15189 – The contribution of Eurachem (an introduction) (Kyriacos Tsimillis/Despina Charalambous)
10:15 - 11:00	Overview of validation process and planning validation (Vicki Barwick)
11:00 - 11:30	Coffee break
11:30 - 12:15	Practical approaches to evaluating precision (Helen Cantwell)
12:15 - 13:00	Practical approaches to evaluating bias (Vicki Barwick)
13:00 - 14:00	Lunch
14:00 - 15:00	Exercise 1 – Evaluating precision and bias data (Marios Kostakis/Vicki Barwick)
15:00 - 15:45	Evaluating capability of detection (Marios Kostakis)
15:45 - 16:15	Coffee break
16:15 - 17:00	Extent of validation – a risk-based approach (Helen Cantwell)
17:00	End of Day 1
20:00	Dinner

Day 2 – Thursday 12 March 2026	
09:00 - 10:30	Internal quality control using control charts – Introduction, setting up charts, rules for out-of-control, type of charts, selection of control samples (Michael Koch)
10:30 - 11:00	Coffee break
11:00 - 11:45	Planning PT participation - selection of schemes and frequency of participation (Brian Brookman)
11:45 - 12:15	Statistics for PT (Vicki Barwick)
12:15 - 13:00	Interpretation of PT scores and investigating poor PT performance (Brian Brookman)
13:00 - 14:00	Lunch
14:00 - 15:00	Estimating measurement uncertainties from validation and QC data according to ISO 11352 and Eurachem guidance (Michael Koch)
15:00 - 15:30	Exercise 2 – Evaluating measurement uncertainty (free Excel sheets for estimating measurement uncertainties according to ISO 11352 will be provided) (Michael Koch)
15:30 - 16:00	Coffee break
16:00 - 16:45	Flash poster presentations
16:45 - 17:00	Concluding remarks and presentation of certificates
17:00	Close of course