Introduction to Method Validation
Online programme

Session timings

Session times are:

Module 1: 09:30-12:30 GMT/BST
Module 2: 13:30-16:30 GMT/BST

Sessions will include a mixture of presentations, interactive exercises and practice calculations.

Training is delivered via MS Teams.

Module	Topics
Module 1	<u>Purpose and principles of method validation</u> • Definition of validation • Why is validation important and when should it be done? • Accreditation requirements • General procedure for carrying out a validation study • Assessing fitness-for-purpose <u>Method performance characteristics (Part 1)</u> <u>Precision</u> • Definition of precision • Experiments for evaluating precision ○ What materials to analyse and how to interpret the results
Module 2	<u>Method performance characteristics (Part 2)</u> <u>Bias</u> • Definition of bias • Experiments for evaluating bias • What materials to analyse and how to interpret the results <u>Limit of detection and limit of quantification</u> • Definitions of LOD and LOQ • Principles of LOD calculations • Typical experiments for evaluating LOD • Establishing the LOQ <u>Linearity</u> • Method vs. instrument linearity • Experiments for assessing linearity