

Course outline 2019

Title: Internal Quality Control

Internal quality control is designed to detect, reduce, and correct deficiencies in a laboratory's internal analytical process prior to the release of patient results, in order to improve the quality of the results reported by the laboratory. Quality control is a measure of precision, or how well the measurement system reproduces the same result over time and under varying operating conditions. It is one of the major components in the laboratory quality management system to ensure quality of the daily laboratory testing practice.

During the course the following topics are discussed:

- Purpose of internal quality control
- Requirements from the ISO standard 15189
- Design of internal quality control
- Evaluation of internal quality control results
- Internal quality Control, Six Sigma and Uncertainty of Measurement
- Troubleshooting