- EDUCATIONAL WEBINAR -

Toeing the Line: The Right way to verify your Reportable Range and Linearity

PRESENTED BY STEN WESTGARD, MS

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12pm EDT | 5pm GMT | 6pm CET

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Webinar Description

Validating the reportable range, historically called "linearity", is one of the very first studies a laboratory needs to perform with a new method or instrument. It's also one of the studies that must be repeated throughout the instrument's lifetime, often at 6 month intervals.

The objective of a reportable range study is to assess the analytic range of results for which the manufacturer's calibration process is reliable and patient test results can be reported. Judging the success of the study can only be accomplished when the study includes targets for performance.

This zoom will cover the factors to consider in designing and conducting a reportable range study, the benefits of commercial linearity kits vs. manual dilutions, and the data collection, analysis, and interpretation of the results. Different approaches will be discussed from classical studies to the CLSI guideline EP6 recommendations and finally a practical technique that minimizes effort and calculations. Commonsense advice and real-world examples will be demonstrated.

Participants will learn how to

- Collect the appropriate data for a reportable range study
- Calculate the right statistics to determine linearity
- Graph the data in a way that allows easy visual interpretation
- Benchmark the reportable range against performance specifications

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