

## Challenges with Quality Control in Qualitative Testing

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### AGENDA

- Introduction
- What is a 'qualitative test procedure'?
- What is a 'qualitative internal quality control'?
- Study cases

### ABSTRACT

The term 'qualitative,' when applied to tests in the medical laboratory, is associated with a heterogeneous group of tests. For example, blood group typing, screening for infectious agents, and karyotypes.

The internal quality control aims to ensure that the reported qualitative results are true. For example, A +, anti-HCV positive and 46,XX.

The vocabulary associated with 'qualitative' tests is not harmonized. There is a need for quality control guides for this type of testing. Some control practices are adequate, and others replicate models appropriate to 'quantitative' tests. An example is the use of multirules, recognized as the Westgard rules. This set of rules developed for quantitative tests is not adequate, producing many false alarms.

The presentation intends to briefly discuss what is understood by 'qualitative' tests and internal quality control suitable for this type of test. An analogy is made between a quantitative test (sodium assay) and a qualitative test (screening SARS-Cov-2 infection) for easier understanding. Control charts are presented for binary results (positive/negative) and for signals that allow the classification of binary results due to a cutoff.

For more information on this workshop please contact [education@technopathcd.com](mailto:education@technopathcd.com)

### PRESENTER



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