Method development

End-to-end bioassay analysis with PLA 3.0

PLA 3.0 Academy | Learning and growing together

Academy
PLA 3.0

About method development

What is method development in the context of bioassays?

- Method development is the process of designing and optimizing analytical procedures to meet specific assay requirements.
- It involves selecting appropriate statistical models, defining analysis parameters, and validating the method to ensure accuracy, precision, and compliance with regulatory standards.
- A well-developed method serves as the foundation for reliable routine analysis, minimizing variability and ensuring consistent results across different users, experiments, and environments.

© 2025 Stegmann Systems GmbH, Rodgau, Germany

Method development in PLA 3.0

How do you benefit from using PLA 3.0?

- In PLA 3.0, method development involves configuring and fine-tuning analysis settings to match assay-specific requirements.
- Users can select statistical models, define curve-fitting options, and establish acceptance criteria to ensure robust and compliant data analysis.
- PLA 3.0 provides a structured approach to method development through method templates, which allow users to save optimized settings and apply them consistently in future analyses.
- This ensures that methods are developed with reproducibility and regulatory compliance in mind.

© 2025 Stegmann Systems GmbH, Rodgau, Germany

Method development in PLA 3.0

What are the key benefits of using PLA 3.0?

- Developing methods in PLA 3.0 ensures that assay analysis is optimized for accuracy, precision, and regulatory compliance.
- PLA 3.0 covers the entire product lifecycle, starting with the import of raw data into the software, to trending critical parameters of the assay.
- Using method templates allows for easy sharing and implementation of validated processes, promoting consistency and saving time during routine analysis.

© 2025 Stegmann Systems GmbH, Rodgau, Germany

Let's connect

How did you like this insight?
Share your thoughts with us

Quick access to answers. Find what you need, fast.
PLA 3.0 Knowledge Center

Find out how PLA 3.0 can transform your bioassays into actionable insights.
bioassay.de

Need help? We're here for you.
Support Portal

© 2025 Stegmann Systems GmbH, Rodgau, Germany