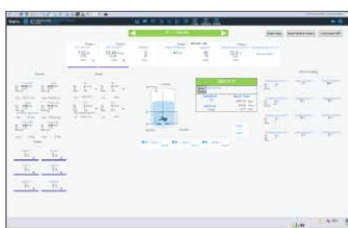


Bioprocessing

Modern, intuitive, and designed to make things easier

Drive efficiency and increase scalability with TruBio Bioprocess Control Software on the DeltaV Live platform

Thermo Scientific™ TruBio™ BioProcess Control Software uses the advanced DeltaV™ Live user interface package by Emerson for fully scalable control from R&D to production. Validated for good manufacturing practice (GMP) compliance, the TruBio software suite features an intuitive design with built-in flexibility, control, and ease of use. It simplifies pH and dissolved oxygen (DO) configuration with enhanced configuration faceplates and streamlines calibration processes with user-friendly calibration wizards. This modern software solution is designed to evolve with your process needs, to help you adapt to future advancements.



Technology and data transfer throughout the life cycle of drug development often presents significant challenges. From bench-scale laboratory applications to large-scale production, this transfer process can be time-consuming. TruBio software addresses these issues with a data model that remains consistent from R&D to commercial production, which helps with data integrity.

With multiple sensor loops and capabilities for gas and liquid additions, TruBio software can be utilized with Thermo Scientific™ single-use bioreactors, single-use mixers, single-use fermenter systems, and other third-party bioreactors.

Simplify tech transfer with our automation platform

The Thermo Scientific™ HyPerforma™ G3 family of bioprocess controllers provides flexible and reliable advanced control capabilities. The controllers are fully self-contained, movable units that can be operated alone (for one vessel) or networked for multiple vessels. They are engineered to optimize capital cost for use in non-GMP and CGMP-certified production facilities. Together, the control and automation platform scales through to production.





For research and process development solutions

The TruBio software platform provides a streamlined solution tailored to the needs of research and process development labs, helping to eliminate the need for programming knowledge. This platform supports R&D applications with automation technology that seamlessly transitions to commercial operations. Benefit from the transferability of process configuration setup data and accelerated scale-up conversions.

For production-scale solutions

TruBio software offers many features to enable flexible and easy scale-up for production-scale processes, including redundant pH and DO sensors, multiple liquid dosing strategies, and gas control functionality. These features support a straightforward process control platform that spans from research through to commercial manufacturing.

The TruBio software enables the development of sophisticated and advanced process control strategies without requiring knowledge of DeltaV platform programming. It also has the ability to create control strategies for media mixing and buffer preparation, which helps to manage complex bioprocesses at scale.

TruBio software features:

Ease of use

- Intuitive design with dark and light themes available
- Can save and load process control strategies at any time
- Ability to create control strategies for media mixing and buffer preparation
- Ability to calibrate sensors and pumps from the user interface
- Redundant controller configurations can be accommodated

Efficiency

- Conforms to regulatory requirements for use in CGMP-compliant processes
- Enables building of advanced process control strategies without knowledge of DeltaV programming
- Multifeed dosing functionality available to scale from small to large doses with high precision
- Can be used with Emerson™ DeltaV™ Batch control system and Emerson™ DeltaV™ Manufacturing Execution System for a fully automated manufacturing system

Request a demo at thermofisher.com/automationsoftware

thermo scientific

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