



# Thermal Validation

The unique combination of manpower,  
equipment, and software.  
Delivered at any scale.

**Anywhere in the world.**

## Stay in Control of Your Validation Processes – From End-To-End

Keep your projects and daily operations on schedule with Ellab's Thermal Validation.

Compliance is more than validating at one point in time: It's about enabling an all-time validated state. This demands a solution that is consistent, scalable, and easy to manage.

Our unique combination of manpower, equipment, and software prevents bottlenecks and ensures consistent, high-quality execution.



### Total Support

Complete life cycle support, from projects to daily operations, reducing vendor management.



### Save Time with Global Consistency

Time-saving validation software and unified protocols deliver inspection-ready reports across every site..



### Equipment-On-Demand

Purchase, lease, or rent our fleet to scale instantly, run simultaneous studies, and speed product delivery.



### Experts-On-Site

Add expert engineers to flex capacity for peak periods, maintaining agility without compromising quality.

## Global Reach. Local Expertise. Seamless Consistency.

### Thermal Validation Scope

#### Local Validation Engineers Across the World...

150 in North America

140 in UK & Ireland

90 in Mainland Europe



#### Experts in a Wide Range of Applications...

- Temperature-Controlled Storage
- Sterilization & Decontamination
- Bioprocessing & Manufacturing
- Environmental & Stability Testing
- Utilities & Facility Systems

#### With Access to a Massive Fleet of validation equipment

+8.000 in North America

+4.500 in Mainland Europe

... that can be shipped across the globe.

Wherever your projects take you, Ellab is by your side.

By uniting manpower with fleet-on-demand equipment, our thermal validation solutions scale to your needs, from single projects to global operations.

This unique combination ensures:

Consistently delivering high standards across sites and regions.

The flexibility to instantly scale any-sized operations

Saving time through simultaneous mappings and minimized downtime



**“With Ellab, scalability meets consistency. Our global footprint, fleet-on-demand of validation equipment, and specialized expertise ensure that you reduce downtime and stay compliant — wherever you operate.”**

## Thermal Validation: From Qualification to Continuous Verification

Expertise that adapts to your timelines.

From mapping equipment such as stability chambers, refrigerators, and freezers to full turn-key validation of autoclaves, clean steam, bioreactors, and lyophilizers.

Covering IQ, OQ, PQ and requalification in line with international standards (FDA, EMA, ICH Q10). Ellab supports you through the entire GMP life cycle, from qualification to continuous verification (ongoing qualification/requalification). Standardized methods and structured CapEx projects ensure global consistency and seamless execution across borders.

With Ellab-trained experts-on-site, you gain the foresight and expertise to reduce downtime and prevent bottlenecks. Every project is unique, so we scale and tailor solutions to your needs, delivering structured frameworks that go beyond just additional resources.

**“With Ellab, equipment and expertise come together to ensure your validation projects run smoothly, your operations stay compliant, and your timelines remain on track.”**

### Qualification

#### Thermal Mapping Services

Protocol Generation

IQ/OQ/PQ qualifications

Temperature mapping studies

Process validation

Summary Reports

### Continuous Process Verification

#### Requalification Services

Requalification & mapping studies

Review & update IQ/OQ documentation

Process validation enhancements



## Validation Software: Everyday Mapping Made Quicker with ValSuite®

The digital backbone of thermal validation: Compliant, efficient, and built to save you time.

Support your validation projects with ValSuite®, the industry's leading software for thermal validation. Designed with flexibility in mind, it offers easy setup and multiple installation options to meet your requirements, from local servers to enterprise-wide deployment.

By combining autogenerated reporting with unified protocols, ValSuite® ensures inspection-ready results every time, saving time, reducing errors, and keeping your validation process audit-ready.



### Easy setup: Installation & user setup

Local or client server installation

Windows AD integrated security

Citrix installation options



### Compliant: 21 CFR Part 11 & EU Annex 11:

Guaranteed data integrity

Full system validation on site

Data saved in encrypted database – no tampering possible.

Password protected – user profile operated



### Results oriented Fast evaluation

Direct Pass/Fail criteria

KNEAT integration

Merge sessions to detect trends

Periodic evaluation

Pre-defined reports according to ISO norms



### Time saving Pre-defined names & templates:

Repeat sessions using the same setup

Dual dynamic Auto transfer to work online and offline.

Drag-and-drop pictures in templates

## Validation Hardware: The Foundation of Precision

For each application, the perfect measurement solution.

Ellab's hardware solutions provide precise, reliable measurements for any thermal validation application, from lyophilization to sterilization. Offering total support with a full portfolio of loggers and sensors, our equipment adapts to the complete life cycle of your processes.

### Wireless Validation

Wireless data loggers offer precise, scalable measurements with easy deployment and real-time options, offering compliant and flexible validation across critical processes.

### Wired Validation Systems

E-Val™ Pro Plus is our wired solution, trusted in utilities, sterilization, and manufacturing systems, where high-frequency data collection and reliability are essential.

### Validation of Sterilizers

SteriSense® is designed for autoclaves and sterilization processes, delivering precise pressure measurements to validate critical cycles.

### Validation of Cold Storage

TrackSense™ Frigo UX Sky is built for a wide temperature range. This data logger provides complete visibility and total control, enabling you to act early.

### Validation of Freeze-Drying

TrackSense™ LyoPro is designed for lyophilization and freeze-drying applications, capturing critical parameters with high accuracy.

**“Complement your Ellab’s hardware with fittings and accessories to ensure flexible solutions that adapt to your needs.”**

**Purchase, rent, or lease Ellab hardware to match capacity to your timelines.**





**Superior Support:**  
**We take care**  
**of your equipment**



## Calibration & Service Agreement

We lighten the compliance burden to ensure your equipment is always ready to use.

Always ready, always compliant. Reduce downtime, lower your costs, and ensure your equipment always performs with Ellab's calibration and service agreement.



### Reduce Downtime

- Fast-track calibrations
- Immediate remote support



### Reduce Costs

- Included data logger batteries
- Discount on repairs & parts
- Free firmware updates
- Free software updates within version numbers
- Free delivery



### Reduce Errors

- Annual maintenance & inspection
- Continuous training



Your Life Science  
Compliance Partner

## About Us

Ellab is your partner in life science compliance, offering comprehensive support in validation, monitoring, and calibration. With global expertise and local reach, we help you minimize downtime, accelerate time-to-market, and optimize resources, lightening the compliance burden.

From projects through daily operations, we stand shoulder to shoulder, delivering tailored solutions that grow with your needs, ensuring confidence and consistency every step of the way.

[ellab.com](https://ellab.com)

