



## Temperature monitoring in Biorepositories

Worldwide leaders in biomaterials storage rely on **ELPRO** for a reliable temperature monitoring of their repositories.

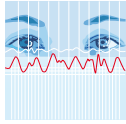


- Proactive temperature monitoring
- Supports compliance to 21 CFR Part 11
- Easy to install – easy to use



# Sample and freezer monitoring using the ELPRO Central Monitoring System ...

## Centralized Temperature Monitoring



- **Information at your fingertips**

Online review and analysis of temperature, humidity, CO<sub>2</sub>, particles or pressure differential data from any PC in the network



- **Compliance**

System supports compliance to 21 CFR Part 11, cGLP, cGMP, Annex 11, USP 1079 and HACCP



- **Smart and reliable**

Multiple security and alarm features for immediate notification



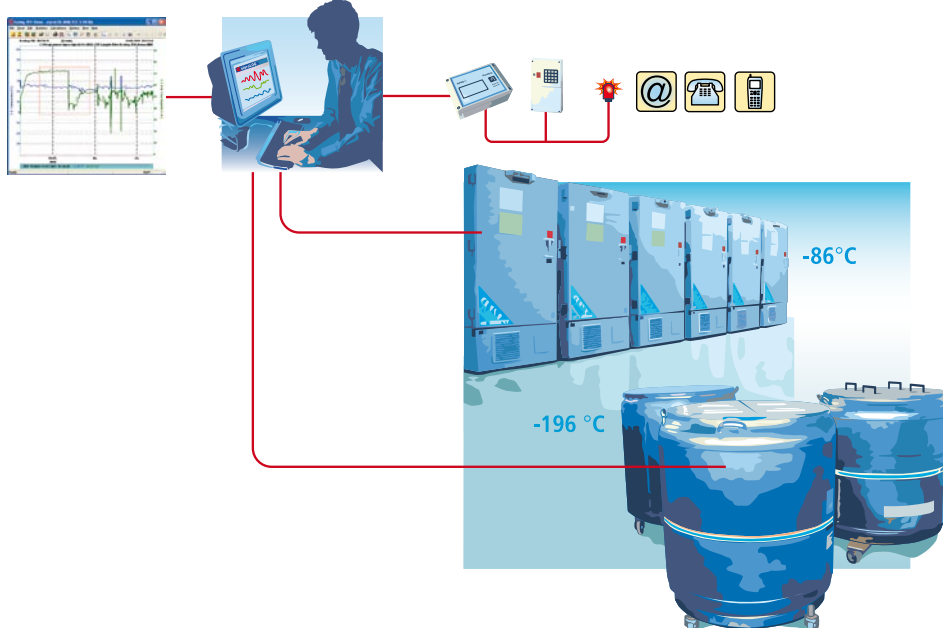
- **Data Safety**

Peace of mind through redundant data storage



- **Easy to install – easy to use**

User-friendly system setup, configuration and maintenance for cost-effectiveness along with turnkey solution (IQ/OQ/SOPs)



# ... the perfect solution for BioStorage Technologies

## The Situation

Established in 2003, BST is a fast growing company that provides state-of-the-art biorepository services across North America and Europe. Life sciences companies including pharmaceutical and biotech companies often choose to store valuable samples off-site due to cost control, space constraints, and disaster recovery implementation. Many of these companies choose to store their samples at BST for security, inventory control, and centralization while observing regulatory compliance such as FDA 21CFR11.

## The Challenge

BST processes multiple sample types from clients daily across North America and Europe. These samples must be stored in validated temperature controlled units (from -180 C° to 20 C°) within their facility. Continuous temperature monitoring is critical for sample integrity and risk management. In an effort to keep the company focused on their core competency, a validated and scalable temperature monitoring and alarm solution for their freezers and ambient conditions needed to be implemented.

## The Solution

In 2003 BST implemented ELPRO's LAN Central Monitoring System with POE (Power Over Ethernet), which is a fully scalable monitoring solution. This system records environmental conditions every 10 minutes, maintaining the necessary customer compliance with FDA 21 CFR regulati-

## BioStorage Technologies (BST) partners with ELPRO for their freezer samples temperature alarm, storage, and data collection



ons. In addition, ELPRO monitors environmental conditions as well as a variety of walk-in environmental rooms of the biorepository at both BST locations in Indianapolis, Indiana and Frankfurt, Germany.

## The Result

ELPRO Services has partnered with BST since 2003 and currently monitors 100% of all biorepository equipment along with ambient conditions at both location in Indianapolis, Indiana and Frankfurt, Germany. ELPRO also provides a web access solution, thus enabling BioStorage to view freezer conditions from any PC across the globe.

**Contact us today and join the many pharmaceutical and biopharma research labs, the hospitals and medical institutes relying on ELPRO's advanced datalogging solutions. Please visit [www.elpro.com](http://www.elpro.com) for the contact information of your local ELPRO partner.**

## BST Profile

BST is a worldwide leader in short-term and long-term biomaterials storage, sample management, and cold chain logistics. The company serves global pharmaceutical and biotechnology developers and manufacturers, clinical research facilities, allograft banks and organizations, forensic laboratories, cord blood storage companies, academic institutions, and zoological and veterinarian treatment and research facilities.

[www.biostorage.com](http://www.biostorage.com)

## Advantages

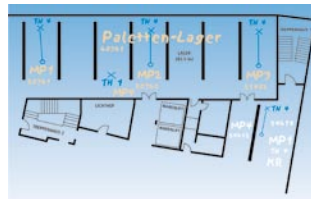
- Exceptional customer service and client satisfaction
- Industry-experienced leadership team
- Multiple purpose-built, state-of-the-art biorepository facilities
- Advanced, validated storage processes and technologies
- True understanding of sample value and integrity
- Next-day sample retrieval
- Compliance with Good Laboratory Practice (GLP), Good Manufacturing Practice (GMP) and Good Tissue Practice (GTP)
- Proprietary, Title 21 CFR Part 11 sample inventory management system (ISS<sup>®</sup>) designed specifically for compliant biomaterial storage, tracking, and reporting through 24/7 real-time access.



# We're here for you –

Made in Switzerland – More than 20 years 

Benefit from the professional services provided by ELPRO:



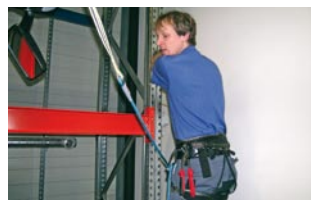
## Temperature Mapping

Acquisition, analysis and documentation of temperature distributions



## Calibration

Traceable calibrations for all ELPRO monitoring systems



## On-site service

Installation, calibration and maintenance service



## Verification

On-site IQ/OQ test service

## Interested in our services?

Contact us today, we would be glad to advise you. You can find more information about the range of services on [www.elpro.com](http://www.elpro.com)

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