



abcam

## ABCAM CHOOSES CHECKIT FOR MISSION CRITICAL TEMPERATURE MONITORING

When global life science players, Abcam, wanted to enhance their temperature and monitoring hardware and reporting, they came to Checkit.

### Our client

Abcam have been among the leading innovators in life sciences since 1998, developing the highest quality antibodies, proteins, peptides, assay kits, and reagents. They ship globally to a number of prestigious institutions, helping researchers understand more about our biology and create new and ever more efficient treatments.

For Logistics Inventory Manager, Edward Mole, this means monitoring up to 40 sensors at a time, spread across two buildings where stock is held.

Edward and his team needed an automated monitoring solution which offered both airtight precision and supreme ease of use.

*"Our old monitoring system gave us the data we needed, but it was confusing; there was a lot of irrelevant material. Besides, it all looked clunky and outdated; there had to be something better out there."*



Sector: **Laboratory**



Number of Locations: **1**



Products: **Operational Insight | Work Management | Automated Monitoring**



**checkit**

### Pinpoint precision for the life sciences

Abcam's manufacturing process produces large bulk quantities of antibodies destined for research, which are then split into saleable units and stored in freezers until a customer makes a purchase.

Temperature monitoring and control is critical through this entire process, and it needs to be exact. Dozens of sensors monitoring everything from room-temperature controls to storage down to  $-80^{\circ}\text{C}$  need to stay operational 24/7, and reporting has to be available at all times.

With even one vial of antibodies potentially costing hundreds of pounds, the loss of an entire freezer full of stock would be catastrophic.

*"Checkit's monitoring system is working 24/7 across our Cambridge site, providing comprehensive data and allowing us to respond in real-time."*

*"On occasions where we can't spot freezer malfunctions visually, Checkit gives us total security. We can see right away which email alerts need our attention since it's so simple and easy to use."*





## Automated Monitoring to your specifications

Checkit was chosen as the Automated Monitoring solution for Abcam thanks to its ergonomic UI, its flexibility, and the great customer support offered by the team.

Abcam are in complete control of their own monitoring parameters. With so much data being refreshed every 15 minutes, they risk simply being swamped by their own reporting. With Checkit, that isn't a problem. They can easily set the rules and decide what data prompts an alert.

As well as making sure the data they see is universally relevant, using Checkit allowed them to tailor different sensors to different roles. For example, walk-in freezers or control samples require different monitoring to their core stock, and this presented no problem.

Such is the precision required by the team at Abcam that an alert can be triggered by something as simple as a freezer door being opened to remove stock. Automated Monitoring allows them to separate false alarms from real, providing a final safety net which boosts their auditing efficiency and helps maintain ISO9000 accreditation.



*"With Checkit we set the rules. We have a wide range of different requirements and Checkit enables us to meet them all."*



## What does the future hold?

With their use of Checkit's Automated Monitoring Solution already such a success, Edward and his team are looking to the future for new ways to apply this versatile technology.

Migrating Abcam's laboratory monitoring over to Checkit is already being discussed. This would bring everything, from development to production and storage, all together under one unified system for peak efficiency in reporting and auditing.



Not only that, there's also scope to use Checkit with some of Abcam's more specialist hardware. Supercold freezers, operating at temperatures of up to  $-160^{\circ}\text{C}$ , as well as incubators which monitor both temperature and humidity are all candidates for Automated Monitoring.

Abcam feel sufficiently supported by Checkit's engineers and customer support team to view these solutions not just as nice-to-haves, but integral elements of their toolkit.



### No paperwork

Records are automatically created, timestamped and stored securely online



### Unbroken cold chain data

Readings are always taken – even during power cuts



### No missed checks

Checkit alerts you when checks are due



### Staff trained in minutes

If they can use a smartphone, they can use Checkit

### About Checkit

Checkit Real-Time Operations Management helps businesses optimise performance and compliance, providing top-to-bottom visibility of work as it happens. For frontline staff, Checkit automates and guides their activities, improving efficiency and consistency. For supervisors, it automatically allocates and schedules work, making exceptions and issues easy to handle. For managers, it creates broad control and consistency, providing continual insights across the business.

Based in Cambridge, UK, Checkit is part of Elektron Technology Group PLC. Customers include the Ritz, Compass Group, Claridge's, One Aldwych London, Jamie's Italian, Alton Towers, Abel & Cole, Bakkavor, Cucina Sano, Abcam, NHS, University of Winchester and Nanna Mexico, among others.

*"Checkit is so simple and easy to use. We are now able to monitor our key storage units, including ultra-cold temperatures down to  $-80^{\circ}\text{C}$ , with a modern system. This helps us minimize the threat of losing temperature-critical samples."*