

Sourcemedical

Remote Environmental Monitoring Solutions

For Vaccine Fridges and Beyond

“During 2019, vaccine wastage voluntarily reported through ImmForm was valued at £5.8 million based on list price. The majority of reported incidents were ‘avoidable’, accounting for 76% (£4.4 million)”

- Vaccine Update 309, June 2020



Background: Temperature Monitoring Solution

Most NHS Trusts use manual processes to track temperatures within their refrigerated storage facilities. However, environmental monitoring solutions are rapidly growing in popularity, with hundreds of potential applications across healthcare.

Current Practice

Manual processes include checking fridge temperatures twice daily, causing experienced staff to allocate time away from providing critical care to patients. This misallocation of resources poses the following setbacks:

- Significant drain on time and resources.
- Risk of reduced efficacy of vaccines/drugs due to deviations from optimal storage conditions, potentially resulting in patients requiring re-immunisation.
- Reduced ability to respond quickly to temperature fluctuations.

- Compliance risk with lack of audit trail if temperature deviations are not recorded or if temperature logs are misplaced.
- Potential human error in reading and recording temperatures.
- Inability to quickly view historical data to analyse trends and predict future cold-chain breaches.
- Lack of visibility for Clinical Governance teams.
- Hidden costs associated with reporting, meetings, follow-up actions, re-training, new documentation, and internal audits following a failed audit from the CQC.

The calculated resource cost for front line staff (assumed Band 5 Nurse) to carry out manual checking and recording of a single fridge:

Band 5 nurse approx. hourly rate	£ 13.93
Resource cost of 1 check (5 mins)	£ 1.16
Resource cost of 2 checks (10 mins) i.e. daily cost	£ 2.32
Annual resource cost (365 days) for 1 fridge	£ 847.41
Average annual resource cost for a Community Trust (based on 105 fridges)	£88,977.88

www.sourcemed.co.uk

varun.bitra@sourcemed.co.uk

Ensign House, Lisle Rd, High Wycombe
HP13 5SH

Contact Us

01494 561077

Sourcemedical

Remote Environmental Monitoring Solutions

How Can We Help?

Source Medical have launched a Real-Time Remote Environmental Monitoring Solution which can be used (among many other use-cases) for ensuring optimal temperatures are maintained in refrigerated storage facilities across NHS sites and vaccination centres.

To learn more about our Remote Environmental Monitoring Solution, or to schedule a site-visit to assess your user requirements, please get in touch with our Commercial Manager, varun.bitra@sourcemed.co.uk.

Alternatively, please contact our Sales Support Team on 01494 561 077.



Benefits of Remote Environmental Monitoring Solutions

There are numerous benefits available when adopting the latest environmental monitoring solutions, including the ability to react quickly to an abnormal measurement event and the ability to make better decisions based on continuous live data.

- **Automatic alerts** – Real-time remote environmental monitoring solutions can trigger automatic alerts which immediately send a notification via SMS or email when a fixed (customisable) measurement threshold limit is breached.

The difference between an instant, versus post-event notification received several days – or even weeks after a threshold breach occurred, could be the difference between product write-off, a regulatory investigation, or the risk to patient safety.

- **24/7 data access** – A cloud-based platform using wireless dataloggers enables immediate access to environmental measurement data from anywhere.
- **Multi-user data sharing** – Multiple users can gain access to measurement information in real-time to avoid cold-chain breaches.
- **Evidence-led Regulatory Compliance** – CQC-lead investigations into storage conditions can be averted and historic data can be provided for an audit trail; demonstrating compliance and ensuring all medications are safe and have full therapeutic properties.



Dashboard with demo data

www.sourcemed.co.uk

varun.bitra@sourcemed.co.uk

Ensign House, Lisle Rd, High Wycombe
HP13 5SH

Contact Us

01494 561077