Environmental Monitoring for Clinical Labs
A practical solution to safeguard your valuable clinical samples.

Ensuring that diagnostic samples and test results are maintained under recommended storage conditions is crucial. CenTrak’s smarter wireless environmental monitoring solution enables clinical labs to maintain compliance, eliminate product loss, improve patient safety and increase staff productivity.

Why Automate?
Manually recording refrigeration temperatures and conditions can result in inconsistent data and inaccuracy. Automated environmental monitoring systems are easy to use and customizable, allowing the user to monitor and document a range of information such as temperature, humidity, CO₂, Oxygen and LN₂ levels in tank rooms, and other important conditions. At the application-level, users can view refrigeration groups and receive alerts when units are outside of their monitored threshold.

The system can generate a variety of useful reports on multiple units for compliance, display an example of the report before printing or exporting and provide alerts such as low battery warnings to prevent transmission interruptions. Customizable alert notifications allow the user to set the parameters and designate the alert method used.

Compliance Benefits:
CenTrak is designated to simplify conformity with the following standards:

- FDA 21 Code of Federal Regulations (CFR), Part 11
- CAP
- CLIA
- AATB
- FACT
- AABB
- The Joint Commission
- State Board of Health

Maintaining proper temperature conditions is essential to ensuring that clinical lab samples and diagnostic tests are accurate. A wireless environmental monitoring solution allows staff to take immediate action when storage conditions fall outside of safe temperatures.

- NIST certified with simple probe exchange for recertification
- Communicates with existing Wi-Fi infrastructure and CenTrak-installed dedicated network
- Customizable reporting rates
- Multiple buffer sizes and materials
- Local visual and audible alerting
- Low power consumption for long battery life
- Collection and onboard storage of data (1 month) even when out of network
- 0.5 °C accuracy
- Covers temperature range from -200 °C to 200 °C

CenTrak’s Environmental Sensor can record conditions at configurable intervals (e.g., 5, 10, or 15 minutes) to ensure that clinical lab samples are stored at the appropriate temperature.
Environmental Monitoring

CenTrak’s wireless temperature and environmental monitoring solution provides healthcare facilities with the ability to leverage one network to ensure all departments meet compliance standards and prevent product loss. Recording and tracking data remotely eliminates the need for manual processes, enabling greater staff efficiency. With CenTrak’s Internet of Things (IoT) sensing solution, healthcare facilities that implement environmental monitoring can easily scale to CenTrak’s other Enterprise Location Services™.

**Compliance Benefits:**
- FDA 21, Code of Federal Regulations (CFR), Part 11
- CAP
- Joint Commission (JCAHO)
- State Board of Health
- AABB
- USP797/800
- CDC Storage & Handling of Vaccines
- CLIA
- ASHRE 170 & 62

**CenTrak’s Smarter Sensor** supports environmental monitoring for many applications

**Flexibility** to leverage existing Wi-Fi infrastructure

**Product Portfolio**

**Environmental / Temperature Sensors**


**CenTrak – Environmental Monitoring for Clinical Labs**

For more information please visit our website www.centrak.com, email us at marketing@centrak.com or call us toll-free at 800-515-2928.