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Navigating Cleanroom Compliance and Extreme Cold: ICS Delivers Specialized Calibration for Medical Storage

A medical manufacturing company required temperature and humidity calibration for their ultra-low freezers (as cold as -80°C), while meeting stringent regulatory compliance and cleanroom protocols.






The Challenge

- 1** Environments with regulatory mandates for accuracy
- 2** Freezers calibrated at -80°C
- 3** Required adherence to cleanroom sterilization protocols
- 4** Needed integration with their internal monitoring system

The Opportunity

ICS had to innovate a method that balanced strict industry standards with the client's internal processes. Objectives included:

-  Enable calibration at -80°C using custom probes
-  Ensure sterilization and compliance with cleanroom access procedures
-  Allow data tracking across both ICS and client platforms

The Solution

- 1 Procured a specialized probe for ultra-low temperature calibration
- 2 Adopted cleanroom attire and sterilization standards
- 3 Customized process workflow to align with client's regulatory needs
- 4 Integrated calibration results directly into the client's system, along with ICS Live






Benefits

- ✓ Met or exceeded regulatory requirements
- ✓ Enabled real-time monitoring through dual-system updates
- ✓ Maintained cleanroom integrity
- ✓ Demonstrated technical flexibility and industry awareness



Results

-  Accurate and compliant calibration for critical storage systems
-  Seamless integration into the client's internal tracking system
-  Helped maintain product integrity and audit readiness