



CellSpark
Consulting Inc.

Temperature Mapping Storage and Distribution

CELLSPARK CONSULTING INC.

SERVICES

IOPQ Protocol Generation

Develop a detailed protocol outlining the scope, acceptance criteria, study duration, sensor placement strategy, and data analysis methods.

Onsite Execution

Conduct temperature mapping studies with pre-calibrated NIST-traceable data loggers for empty, loaded, power failure, and open door studies adhering to pre-approved protocol.

Data Analysis

Identify trends, excursions, stratification, and critical zones, including MKT calculation where relevant.

OOS investigation and Remediation

Investigate temperature excursion data to identify root causes and provide targeted remediation and remapping strategies with setpoint adjustment, sensor relocation, or operational changes to restore and maintain compliant temperature conditions.

Reporting

Deliver clear, inspection-ready reports with actionable recommendations to improve environmental control and compliance.



CellSpark Consulting Inc. provides specialized temperature mapping services to its industry partners. We recognize the critical importance of environmental control in regulated storage and distribution environments, from warehouses to GMP cold rooms.

Our consultants combine technical expertise in validation and compliance with a hands-on, collaborative approach to help clients develop, execute, and optimize robust temperature mapping programs. At CellSpark, we are committed to delivering practical, inspection-ready solutions that support operational excellence and efficiency.

Deliverables:

- Facility, Storage, Route, and Product-Specific Temperature Mapping Protocol.
- On-site Protocol execution with NIST-traceable, calibrated data loggers.
- Temperature data analysis with identification of critical (hot and cold) zones.
- Out-of-specification investigation and remediation.
- Interim and/or final report with proposed layout optimization.
- Ongoing monitoring strategies and seasonal requalification plans

Schedule Your Appointment Today!



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