

# FORWARDING SOLUTION – TEMPERATURE CONTROLLED



## Enabling the standardized, compliant, temperature-controlled multimode shipment of reagents around the world

It's challenging to reliably transport high-value, sensitive reagents by air, ocean, and road. Often classified as hazardous or dangerous goods, they must be monitored for in-transit temperature and other excursions to avoid compromise and damage.

### TYPICAL BUSINESS CHALLENGES

- Managing special product needs & documentation
- Providing pre-conditioned packaging & sensors
- Enabling prompt customs clearance
- Adhering to standard operating procedures & compliance
- Investigating & reporting
- Minimizing product damage & loss



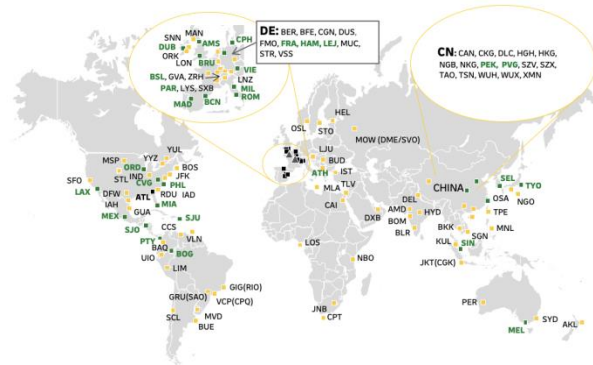
## DHL SOLUTION

Leveraging global, standardized products – DHL Air Thermonet and LifeConEx – and DHL’s validated IT platform LifeTrack, this solution achieves the controlled, compliant temperature-controlled shipment of reagents. It conforms to good practice (GxP) and other defined quality guidelines and regulations.

### SOLVING YOUR BUSINESS CHALLENGES

- ✓ **Managing special product needs & documentation** – IoT-based monitoring of temperature, humidity, pressure, shock, tilt, and transportation time; 24/7/365 proactive monitoring and intervention; highly trained, dedicated quality team; documented proof of in-transit security
- ✓ **Providing pre-conditioned packaging & sensors** – Specialist packaging for temperature-controlled hazardous/dangerous goods; full range of high-quality shipment sensors
- ✓ **Enabling prompt customs clearance** – Brokerage service for product arrival on time and in good condition
- ✓ **Adhering to standard operating procedures & compliance** – Validated SOP management system; single end-to-end compliant program for SOP design, implementation, and automated document control; reduces complexity and time spent; DHL Air Thermonet (based on one robust, audited operating process) and LifeConEx; certified global network of managed and GxP-compliant life sciences and healthcare stations; CEIV- and QEP-certified stations
- ✓ **Investigating & reporting** – Investigation tool; corrective and preventative action (CAPA) tools; analytics based on data from LifeTrack and external sources
- ✓ **Minimizing product damage & loss** – Enhanced traceability and proactive intervention

### FOR THE STANDARDIZED, COMPLIANT, TEMPERATURE-CONTROLLED MULTIMODE SHIPMENT OF REAGENTS



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### KEY BENEFITS FOR YOUR BUSINESS



#### GLOBAL

Global consistency with a certified network of managed, compliant stations



#### PEACE OF MIND

Rely on DHL’s trained experts around the world



#### VISIBILITY

High visibility for control and early intervention



#### INDUSTRY-SPECIFIC

DHL’s LifeTrack IT platform meets the specific needs of the life sciences and healthcare industry