



PROACTIVE TEMPERATURE EXCURSION MANAGEMENT FOR CLINICAL TRIAL SUPPLIES

Minimize disruptions to your trials caused by temperature excursions

KEY FEATURES:

- Global GMP depot network
- Qualified thermal packaging solution
- Near real-time monitoring and alerts of clinical trial supply shipment temperature
- Temperature logging includes location information to aid supply route troubleshooting
- IRT (IVR/IWR) for automated temperature logging/excursion actions
- Proactive response to temperature excursions and shipment delays

Where are your investigational medicinal products (IMPs)? Have they experienced temperature excursions or delays? When it comes to the clinical trial supply chain, it's more important than ever to have timely answers to those questions. That's because the cost of clinical trial supply is increasing; GMP, GDP and GCP regulation is tightening; and the number of temperature-sensitive shipments (including biologics and personalized medicines) is growing. With PAREXEL's Active Tracking service, we can monitor your product shipments and take timely actions in the event of temperature excursions or delays.

KEEP THE COLD IN COLD CHAIN

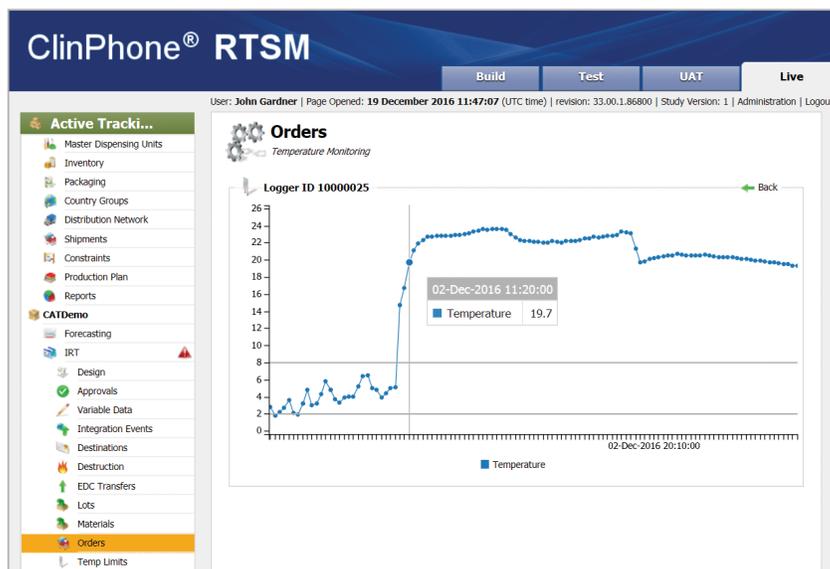
Today, nearly 40 percent of all healthcare products are temperature sensitive. To monitor temperatures temperature-sensitive shipments include a validated temperature logger. With conventional temperature loggers in shipments data are downloaded when the shipment is received at the clinical trial site, typically in the form of a PDF.

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ACTIVE TRACKING

This approach can lead to delays in being informed about temperature excursions, investigating them and taking action to either mark as damaged or release medication. These delays have the potential to impact patient safety and trial integrity if drug is not available for a patient visit.

With the Active Tracking service, loggers send temperature and location data to an online database at regular intervals. When temperature excursions occur, PAREXEL's Clinical Trial Supplies and Logistics team are alerted enabling an immediate response. Shipments are tracked each step of the way from manufacturer to airlines. The data are sent to an IRT system (ClinPhone® RTSM) enabling the system to, if required, automatically quarantine the shipment (even before arrival at site) or place a reorder.



Dashboard tracking shipment temperature as used by the Active Tracking service team

As an integral capability within PAREXEL's Clinical Trial Supplies and Logistics services and integrated with the ClinPhone RTSM interactive response technology (IRT) service, the Active Tracking service helps:

- Detect and resolve temperature excursions quickly
- Reduce the burden on clinical trial site personnel of processing medication arrivals
- Increase the security and safety of your products

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