

Cold chain supply solutions

Beyond visibility

Real-time Track and Trace

Combining the power of the platform and the people

Setting the standard for cold chain supply solutions

Clinical trials are logistically complex

As part of every clinical trial, pharma companies distribute new treatments to multiple additional trial and healthcare sites and to patients' homes. In today's unpredictable and complex world, it's not surprising that clinical trials can be encumbered by numerous logistical challenges, including:

- Supply chain disruptions
- Shipping lane delays
- Unacceptable deviations in environmental conditions



Great news: we have a solution

Our new Real-time Track and Trace platform is setting the standard for cold chain supply management. It provides customers, clinical sites, and trial participants with critical visibility and access to life-saving treatments.

Real-time Track and Trace allows our team of experts to mitigate or avoid temperature deviations while a shipment is en route. This visibility gives our customers and trial participants the assurance they need that their shipment will arrive at the right place, at the right time, and in the right condition.

About Thermo Fisher Scientific

Thermo Fisher Scientific provides industry-leading pharma services solutions for drug development, clinical trial logistics, and commercial manufacturing to customers through our Patheon brand. With more than 60 locations around the world, we provide integrated, end-to-end capabilities across all phases of development, including API, biologics, viral vectors, cGMP plasmids, formulation, clinical trials solutions, logistics services, and commercial manufacturing, and packaging. Built on a reputation for scientific and technical excellence, we provide pharma and biotech companies of all sizes instant access to a global network of facilities and experts across the Americas, Europe, Asia, and Australia. We offer integrated drug development and clinical services tailored to fit your drug development journey through our Patheon™ Quick to Care™ program. Our Patheon™ Quick to Clinic™ programs for large and small molecules help you balance speed and risk during early development so you can file your Investigational New Drug Application (IND) quickly and successfully. Digital innovations such as our mysupply Platform and Pharma 4.0 enablement offer real-time data and a streamlined experience. Together with our customers, we're rapidly turning pharmaceutical possibilities into realities.

Real-time Track and Trace is:

- **Carrier and device agnostic**—Track all your shipments in one place, regardless of courier or IoT device. Informed by predictive data analytics technology, the platform enables our experts to choose the sensors, carriers, and shipping lanes that meet *your* specific needs.
- **Data driven**—Advanced analytics and predictive data analysis technology allow us to intervene *before* an exception occurs, so you don't have to worry about your shipment.
- **Proactive**—Our experts improve the experience for our customers by proactively addressing and resolving issues that may arise during a shipment.

Real-time Track and Trace provides *visibility* with:

- Real-time GPS tracking and reporting
- Shipping touchpoint updates
- Alerts to our team of experts about regional and global supply chain disruptions, allowing us to make informed decisions for our customers
- The ability for us to monitor and mitigate risks associated with:
 - In-transit delays
 - Temperature exceptions



Real-time Track and Trace goes *beyond visibility* with:

- Proactive management and customer service by our team of experts who are proficient in delivering shipments worldwide and in providing 360-degree oversight of supply chain processes
- Trial-wide efficiencies to improve supply chain planning and patient centricity
- Peace of mind for our customers that their treatment will arrive on time, at the right place

With Real-time Track and Trace and our experienced team at the center of it all, we instill confidence in our customers that their clinical trial needs are met.

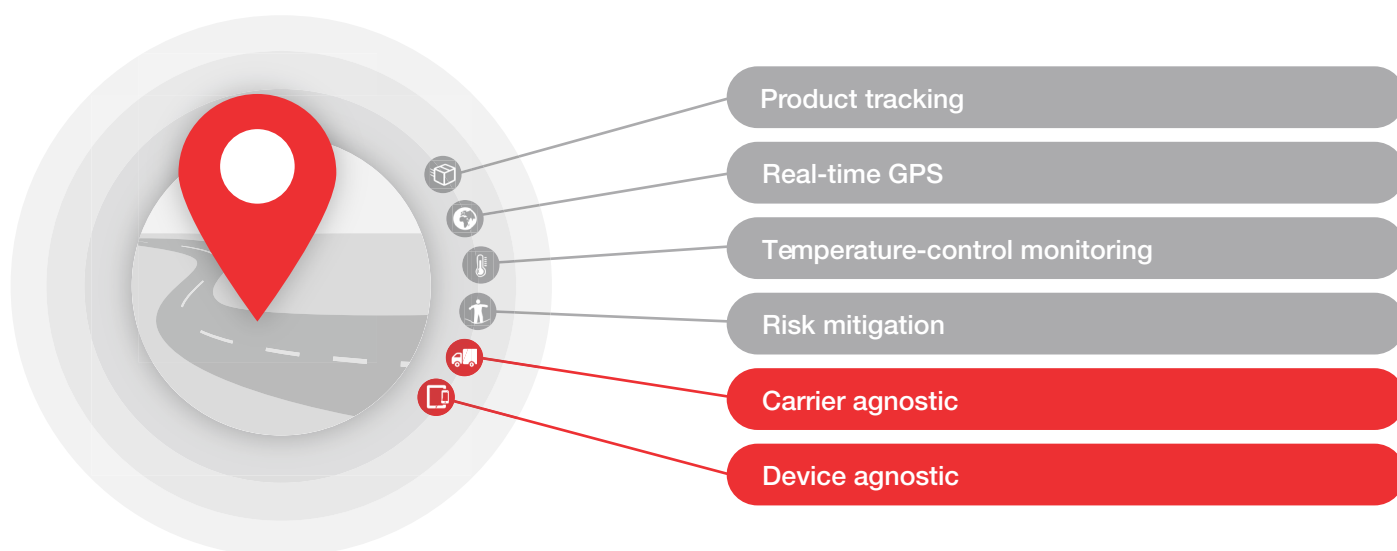
Our Real-time Track and Trace platform is also designed to support decentralized trials with the ability to make fit-for-use decisions relating to the temperature readings of a shipment immediately upon delivery to a patient's home. The ability to make decisions in real time allows for a more efficient flow of data to clinical trial stakeholders. The platform is compliant with current regulations (e.g., 21 CFR Part 11, EU Annex 11) and meets various global data privacy and security requirements to protect patient confidentiality.



The Real-time Track and Trace difference

Unlike other tracking services, Real-time Track and Trace is carrier and device agnostic, which allows Thermo Fisher to provide best-in-class service by selecting the best sensors, carriers, and lanes to meet customers' specific needs.

The current Real-time Track and Trace platform is setting a foundation that will allow advanced analytics and AI to help you make decisions when selecting shipping lanes in the event of supply chain disruptions resulting from regional or global events such as bad weather, and transportation company strikes.



Real-time Track and Trace

Elevating the future of cold chain supply solutions for clinical trials

Contact us to discuss your cold chain logistics needs and how our Real-time Track and Trace solution can help.

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"This is exactly what we need: **an integrated platform solution**. This is where the entire industry is going."

—Large pharma customer,
North America

"This is the future. There's **real-time monitoring**, and you can see the position for all the materials."

—Midsize pharma customer,
Europe

"The benefit is that it **saves time for everybody**. We don't have to track... because we have real-time reports of locations and temperatures."

—Midsize pharma customer,
North America

Blinded market research conducted by ThermoFisher, April 2022.

Learn more at thermofisher.com/patheon
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