

LABORATORY LOGISTICS SERVICES

Meticulous sample handling, analysis,
and data reporting

PAREXEL'S LABORATORY LOGISTICS SERVICES OFFERS:

- Proactive project management to drive the success of your project
- Access to multiple global central lab providers with locations in the U.S., Europe, China, India, Singapore and South America
- Scientific consulting to optimize protocols
- End-to-end laboratory logistics
- Consolidated clinical and laboratory database set up
- Accelerated site readiness and cost avoidance by consolidated "Study in a Box" site supply
- Global trade compliance and regulatory support for reliable cross-border kit and sample transportation
- Streamlined sample collection
- Sample return/destruction coordination
- Enhanced protocol compliance and patient safety data with, real-time monitoring and alerts

Over the past decade, the number of laboratory assays used in clinical trials has increased tenfold. As a result, laboratory sample collection, storage, logistics and data management have grown in complexity.

PAREXEL's Clinical Trial Supplies & Logistics group takes an integrated approach to managing and simplifying all aspects of medical and non-medical supplies, ancillary supplies and laboratory logistics. Leveraging more than 30 years' experience as a trusted partner for the complex development journey required of biopharmaceutical and medical device companies, PAREXEL's Laboratory Logistics Services offers fully integrated central laboratory services, processes and systems that optimize site supply, sample tracking and transportation, and real-time data availability.

INTEGRATED LABORATORY LOGISTICS STARTS AT FEASIBILITY AND PLANNING

PAREXEL streamlines laboratory logistics and builds efficiencies by leveraging a standardized process for analytic testing, sample transportation and data collection across all our partner laboratories. With the expertise to begin planning laboratory logistics from the moment your program begins, PAREXEL's approach to lab sample management ensures optimal efficiency and transparency

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PAREXEL'S LABORATORY LOGISTICS SERVICES SIMPLIFIES END-TO-END LABORATORY LOGISTICS BY:

- Providing a single point of contact for Laboratory Logistics Services management
- Accelerating site readiness through intelligent forecasting and developing the best logistics strategy, both globally and locally
- Minimizing issues with sample collection, storage and analysis through centralized coordination of the entire supply chain
- Reducing patient safety risks by overseeing all process-critical material supply tasks
- Creating business intelligence using a centralized eLogistics solution
- Optimizing overall costs using a unique approach to planning, execution management and supplier monitoring

PAREXEL'S STUDY IN A BOX PROVIDES



sites with proactive, comprehensive stock control and expiration date management, maximizes flexibility across the supply chain, and lowers kit wastage.

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end-to-end—from lab kit assembly and logistics, sample collection to transportation, processing and storage.

Whether you are a large, multinational pharmaceutical company with established network of analytic labs, or an emerging biotechnology company with no in-house sample management expertise, PAREXEL's Laboratory Logistics Services can help. We plan and execute the entire process, including sample collection and analysis, central lab services, and data management.

SOURCING, MANUFACTURING AND PACKAGING STRATEGICALLY—STUDY IN A BOX

Every clinical trial is unique. As a result, there is no “one-size fits all” approach to lab sample handling, transportation and analysis. PAREXEL has established lab partners and in-house ancillary supply services, and leverages its global warehouse capabilities to centralize purchase, assemble supplies and optimize your laboratory supply chain.

To reduce the overall number of shipments to sites, PAREXEL consolidates various study-associated laboratory and ancillary supplies. This unique “Study in a Box” approach reduces the risk of misplaced materials, overall shipment costs and carbon footprint.

SOLVING LAB SAMPLE STORAGE AND DISTRIBUTION CHALLENGES AROUND THE WORLD

PAREXEL's Study in a Box provides sites with proactive, comprehensive stock control and expiration date management, maximizes flexibility across the supply chain, and lowers kit wastage. With a web-based order module manned by a Laboratory Logistics Services coordinator, lab supply reorders are easy.

As a global leader in clinical trial supplies and logistics services, PAREXEL oversees all aspects of the clinical materials and laboratory samples involved in your study. Global courier management (including cold chain control and monitoring), global trade compliance (import/export) and regulatory consulting are included in our services.

For custom tissue/stem cell logistics, PAREXEL combines its global expertise in clinical supply chains required with proprietary enabling technology to trigger, track and trace every step from stem cell sample collection, shipment, preparation, manufacturing, as well as reverse logistics to comply with applicable regulations (GTP, GCLP, GDP and GMP).

PAREXEL provides sites its proprietary Laboratory Operations Management System (LoMaS) to track every sample against trial protocols and maintain a secure lab database. When combined with our direct contact to sites, PAREXEL's record for reducing missing samples is better than industry benchmarks and represents significant reductions in time delays and costs.

End-to-end sample management means partners benefit from PAREXEL's Laboratory Logistics expertise in:

- Consolidated site supply
- Global import/export management
- Query prevention
- Cost optimization by sample consolidation
- Sample reconciliation and data cleaning prior to distribution to specialty labs
- Increased protocol compliance
- Increased sample integrity
- Reduced vendor management efforts

ACCELERATING SITE READINESS THROUGH STORAGE AND INVENTORY CONTROL

With the increasing pressure to deliver clinical studies faster and more efficiently it is essential that your study team have access to sample inventory information, including each step of sample collection processing, shipment analysis and storage.

PAREXEL's intelligent, fully customizable web-based eLogistics tools provide full clinical supply chain transparency, inventory management, and sample traceability for end-to-end sample management across the entire lifecycle of a sample.

PAREXEL'S LABORATORY LOGISTIC SERVICES: STRATEGICALLY, GLOBALLY INTEGRATED

For more than 30 years, PAREXEL has been a trusted partner for the complex development journey required of biopharmaceutical and medical device companies.

For the past 10 years, PAREXEL's Clinical Trial Supplies & Logistics group has provided high-quality, centralized coordination of clinical trial supplies, laboratory logistics services, and ancillary supplies. With global lab locations in the U.S., Europe, China, India, Singapore and South Africa, PAREXEL provides our partners with the complete infrastructure they need to provide comparable worldwide data for their studies and program. PAREXEL's Laboratory Logistics Services are available individually or in any combination.

REAL-TIME LAB DATA MANAGEMENT AND EDC INTEGRATION

PAREXEL's cutting-edge Laboratory Operations Management System (LoMaS) makes it easy to enhance laboratory logistics and manage laboratory data. LoMaS can be integrated with PAREXEL's Electronic Data Capture (EDC) solution, DataLabs®, to track every sample against trial protocols, capture data in real-time, and automate the daily reconciliation between clinical and lab data.

Real-time data management and integration streamlines operations across the entire project team and provides:

- Reduced site efforts for data entry
- Increased data quality
- Reduced data cleaning requirements
- Enhanced patient safety by automatically triggering inclusion/exclusion, treatment adjustments and other lab value related activities
- Improved and accelerated decision-making
- Enhanced management/reporting efforts
- Reduced costs by avoiding late-stage queries.
- Streamlined query resolution and database lock

CLINICAL SUPPLY CHAIN ANALYTICAL INSIGHTS: ONLY BY PAREXEL

PAREXEL's analytics gives you unparalleled visibility and control over your laboratory logistics. Our state-of-the-art eLogistics solutions enable tracking of samples from patient to central lab, and provide insight into operational supply chain performance.

Combined with PAREXEL's Clinical Trial Supplies & Logistics expertise, our analytic solutions allow you to build supply chain intelligence that can be used to anticipate issues, develop solutions and implement actions to optimize supply levels, reduce costs and enhance future trials.



To learn how a Laboratory Logistics Services expert from PAREXEL can help you optimize your clinical trial supply chain, visit: www.PAREXEL.com/solutions/clinical-research/clinical-trial-supplies-&-logistics/lab-logistics or contact:

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