



S.M.A.R.T Direct-to-Patient Sample Shippers

Powered by Akurasense[®]

Reusable sample transport shippers that deliver validated temperature control, traceable chain-of-custody, and automated reporting—from patient to lab. Built for direct-to-patient and distributed collection programs, they protect specimen integrity outside the lab environment and creates audit-ready documentation every trip.



Protect Specimen. Prove Handoff.

Keep every patient sample within validated temperature limits and capture a clear, scan-based chain of custody at every step—so integrity is protected, and every handoff is defensible.

- Validated temperature control
- Traceable chain-of-custody
- Bluetooth[®] monitoring data capture
- Auto audit-ready reports
- Akurasense[®] inventory control
- Reusable, sustainable shippers

Frozen | Refrigerated | CRT
 Validated holdover: Up to 48 hours
 Sensors: Temp | Location | Time
 Data: Historical reporting

The Problem

Outside the controlled lab environment, sample integrity is harder to guarantee. Manual workflows and limited visibility increase excursions, rejected specimens, and delays in patient care.

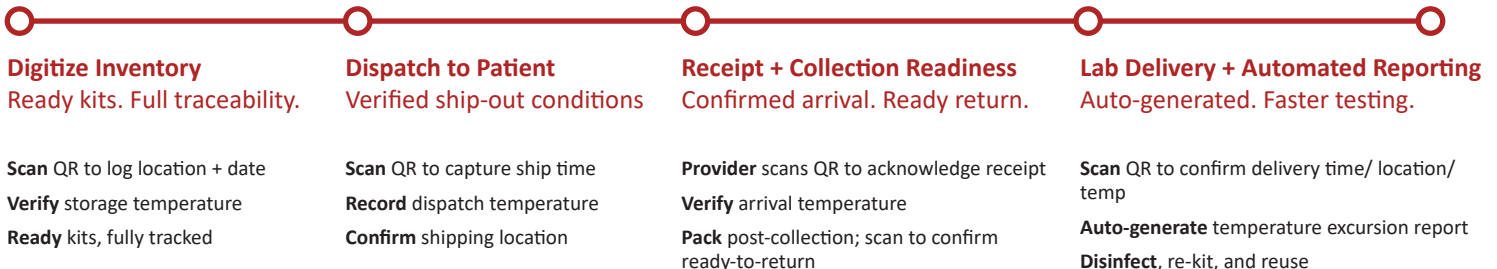
- Temperature risk outside the lab
- Weak traceability and handoffs
- Rejected samples, delayed care

The Solution

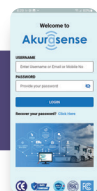
Akuratekmp[®] combines PCM-based validated temperature control with QR-driven digital traceability and Bluetooth[®] temperature capture—managed in Akurasense[®] platform.

The result is a repeatable, compliant workflow that documents storage, dispatch, receipt, and return with automated reporting—so every specimen shipment is verifiable and protected.

Validated for D2P Operations



**Validated temperature control.
Continuous visibility.**



[Click here](#) to schedule a quick demo of Akuratekmp[®] Smart Sample Shippers with Akurasense[®] monitoring.



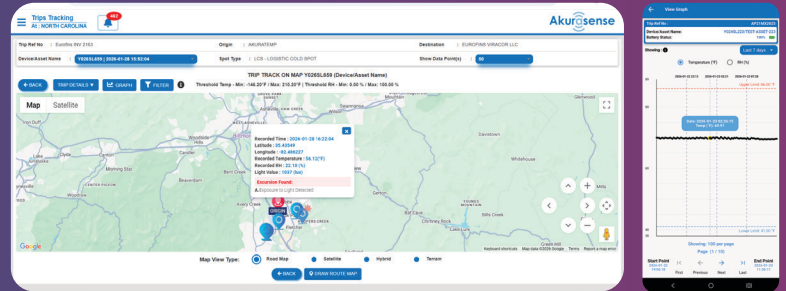
Cold Chain Asset Monitoring & Traceability Platform

See everything, act in time, and receive verifiable evidence. Akurasense® digitizes cold chain assets onto one platform for their life-cycle traceability, temperature monitoring, excursion notifications, chain-of-custody tracking, calibration certificate management and audit-ready reporting — so you prevent loss in transit, improve cold chain asset performance and implement conformance of operating procedures across lab courier networks, leading to better workflows, less expense and better patient outcomes.



Sample Shipper Monitoring. Audit-ready Reports.

21 CFR Part 11 Compliant Platform
Map & Standardize Sample Shipping Operation
Operator Training & Improvement Analytics



<p>Plan</p> <ul style="list-style-type: none"> Identify Sample Shipper Assets Map D2P Sample Shipping Operation Validate Shipper Reliability Standardize Operation Train Operators <p>Digitize Shipper Inventory</p> <p>Program Shipping Routes</p> <p>Map Shipper Assets to Shipping Routes</p> <p>Program Notifications</p>	<p>Do</p> <ul style="list-style-type: none"> Ship to Sample Collection Site Check for Shipper Readiness at Sample Collection Log Time Stamped Temperature During Transit Validate Geolocation & Time Stamped Temperature at Sample Delivery 	<p>Check</p> <ul style="list-style-type: none"> Generate Audit Ready Trip Report Prove Chain-of-Custody Manage Calibration & Inventory 	<p>Act</p> <ul style="list-style-type: none"> Analyze Asset Performance Over its Life Cycle Analyze Courier Route Performance Re-Plan
---	--	--	---

Why Akurasense®

Built for Lab Cold Chain
Purpose-engineered for specimen, reagent & CGT workflows

One Central Platform
See every tote, truck, fridge & lockbox in one view

Scales Effortlessly
Manage multi-location networks with role-based access

Regulatory Confidence
Secure, cloud data & e-records support FDA/CLIA accreditation

SOP-Ready
Configurable alerts, reports & user roles fit your existing processes



Keith Douglas Miller
CBDO, Akuratemp LLC
keith.miller@akuratemp.com



Harshul Gupta
CTO, Akuratemp LLC
harshul@akuratemp.com

