

# Supply Chain Management Overview

Singota Solutions offers materials management and cold chain solutions to clients in the pharmaceutical, animal health, and biotechnology industries. These services include:

## Materials Handling (receipt, storage, shipment)

- Storage of active pharmaceutical ingredients (API), excipients, packaging components, clinical and commercial products, kits (blinded and unblinded)
- Ability to handle hazardous materials (toxic, potent, flammable)
- Controlled substances (Schedule CIII-CV), DEA registered



## Inventory Management

- Specialized inventory services for start-up and virtual pharma needs
- Multiple storage conditions including **15-25°C**, **2-8°C**, **-20°C**, **-80°C**, and ICH Stability
- Sampling and dispensing - aliquot materials from bulk to specified weights or volumes
- 24/7 client access to current material inventory (transaction history and reporting)

## Contingency Storage Solutions (overflow and emergency) for Risk Mitigation

## Clinical Trial Support and Material Distribution

## Technical Expertise in Cold Chain Processes

- Thermal packaging qualification and shipping lane qualification
- Cold chain mapping and design
- Validation (DQ/IQ/OQ/PQ)

## Client Dedicated Project Management

Clients utilizing Singota's supply chain management services can easily and conveniently monitor and manage their materials at any time using the company's web-based E-Transparency<sup>®</sup> system. Clients can inquire about inventory information, specify shipping or storage instructions, and query storage temperatures in each warehouse. The company continually tracks its performance metrics of transaction accuracy, on-time delivery, and thermal excursion performance. These metrics are posted on [singota.com](https://www.singota.com).

In addition, Singota has a key partnership to better serve clients. Singota works alongside [Modality Solutions](#) to provide clients insight into potential product degradation inflicted during the final product distribution process and provide transport validation support by utilizing Modality's Transport Simulation Laboratory (TSL) located at Singota's facility.

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