

# KNIPPER TRAC™

## Transit Refrigeration Assurance Controls

Track and ensure  
temperature  
integrity.



Undetected temperature excursions during transit can be devastating to your product's efficacy and potentially adversely impact your brand's reputation. In fact, according to the World Health Organization (WHO), more than half of vaccines are wasted worldwide, which is just a small portion of the pharmaceutical cold chain product available.

Knipper TRAC™ provides several options for tracking or recording temperature in transit. From temperature excursion warning labels to indicate the product was over temperature to simple temperature logging and up to data loggers that add impact and GPS location. Logger device data is provided for your quality control.

Knipper TRAC™ advanced technology solutions and smart-monitoring tools track and transmit the required metrics, including temperature, physical shock, and geographic location. This information can be transmitted during transit and logged in cloud-based systems.

- ✓ Tailored to your specific needs. Tracking techniques may vary by product and defined in your Knipper3PL product packaging recipe.
- ✓ Documented and validated cGMP procedures ensure the consistent and repeatable application of temperature tracking labels and devices.
- ✓ Call-to-action label directs recipients for what to do if temperature label or tracker shows a temperature issue.
- ✓ Especially beneficial for high value or very sensitive products.
- ✓ Packing slip includes statement that temperature tracking was applied, and recipient should check them.

*Your partner in  
cold chain logistics  
and shipment  
integrity in  
life sciences.*



# THE KNIPPER 3PL ADVANTAGE

## *It's Built for You:*

The flexible, tailored solutions of Knipper 3PL integrate an agile, responsive business model with trusted, proven distribution services and an innovative suite of combined technology capabilities to drive performance, efficiencies and cost-controls.

## *Our Leadership & Experience:*

Dedicated solely to the Life Sciences industry for more than 35 years, Knipper is an industry leader in trade distribution, free goods distribution, dispensing and sampling.

## *Your Passionate Partner:*

We work closely with your team providing a holistic, consultative approach to address brand challenges and build advocacy, while providing value-added insights and actionable data in a timely, results-driven manner.

### EXPERT 3PL DISTRIBUTION & LOGISTICS

- Inventory, storage management
- Automated pick and pack (Perfect Pick®), Pick to Light
- DSCSA full end-to-end serialization solutions
- DEA Controlled
- Cold chain



### COMPREHENSIVE 3PL SERVICES

- Product launch commercialization, advanced data and analytics
- EDI comprehensive reporting
- 3PL Consignment and Flash Title models
- Repacking/kitting/relabeling
- Reverse logistics
- Tamper seals

### 3PL CUSTOMER AND FINANCIAL SERVICES

- Account set-up and management
- Full order-to-cash
- Contract management
- DSCSA Buyer support

