





Global packaging solutions

Traditional and smart packaging solutions for your IMP, comparator, or ancillary supplies

Leveraging over 30 years of global clinical packaging and labeling expertise, Thermo Fisher Scientific offers flexible clinical supply services that can help streamline and add speed to your packaging and labeling workflow. Clinical trial packaging strategies are often impacted by changes to the protocol such as dosage changes, increases or decreases in volumes, and inclusion/exclusion of countries that were not part of the original plan. That's why speed and flexibility are of the utmost importance. Thermo Fisher's global packaging facilities, in-house label capabilities, and end-to-end process control provide the speed and flexibility needed for successful clinical trial packaging and labeling.

Primary packaging solutions

IMP			COMPARATOR
 Oral solid dose (OSD)	 Oral liquid	 Parenteral drugs	 Over-encapsulation
<ul style="list-style-type: none"> • Blisters (smart blister available) • Bottle (smart cap available) • Blister carton wallet • Pouch/sachet • Powder in bottle 	<ul style="list-style-type: none"> • Liquids in bottle (smart cap available) 	<ul style="list-style-type: none"> • ProSyriesSM pre-filled syringe assembly • Syringe labeling and packaging • Vial/ampoule labeling and packaging • Auto-injector assembly and packaging 	<ul style="list-style-type: none"> • Blinding via over-encapsulation and manufacturing of matching placebo • Multi-product encapsulation • Microdosing encapsulation • Pure API or API blend • Inhalation capsules • Fully automated, semi-automated, and manual options

Secondary packaging, labeling, and additional services for IMP, comparator, and ancillary supplies

 Secondary packaging	 Integrated labeling services	 Additional capabilities
<ul style="list-style-type: none"> • Carding, including child resistant packaging • Patient kit assembly • Label application and bar code control • Managed temperature requirements 	<ul style="list-style-type: none"> • Primary and secondary labeling with automated, semi-automated, or manual application • Booklets and standard labels (single and multi-panel) • Camera inspections integrated throughout manufacturing • Label design optimization and artwork, including 3D mockups • ATLASSM Translation Management Services • Refrigerated and frozen drug labeling, packaging, and storage 	<ul style="list-style-type: none"> • Packaging design engineering support • Kit strategy and assembly • Serialization • Tooling capabilities • DEA material handling • Warehousing and global distribution • Regulatory support • Packaging design provides for safe storage and transport

Smart packaging can positively impact patient retention and overall trial costs

Non-adherence to medication protocols continues to challenge innovators and sponsors, increasing both cost and time associated with gathering enough clinical data to make informed decisions. Smart packaging solutions help create a data story beyond simply communicating how much medication has been taken, which enables early intervention when needed.

Prequalified smart packaging solutions at a glance

Smart packaging solution	Smart blister	Smart cap		Smart label
Technology	NFC (RFID)	NFC (RFID)	GSM	Smartphone app
Adherence support by packaging (in addition to app)	None	Visual LCD	Light and sound	N/A
Packaging form factor	Blisters	Bottles	Bottles	Any
Child-resistant option	Yes	Yes	Yes	N/A
Drug form factor	Oral solid dose, parenteral drugs	Oral solid dose, syrup		Any

Our Basel, Switzerland packaging center of excellence is a great representation of our extensive labeling and packaging capabilities. [Watch the video to learn more.](#)



Explore how flexible packaging solutions can streamline your packaging and labeling activities. [Contact your local Thermo Fisher Scientific representative to learn more.](#)