Clinical trials

Global clinical manufacturing services

Thermo Fisher Scientific's clinical manufacturing services for clinical trials provide a customizable approach that includes a comprehensive offering aligned with regulatory and quality guidelines. We handle nonstandard and challenging projects daily, so over the years, we have designed and manufactured specific tools and automation technologies to address unique processing needs.

Our standard clinical manufacturing services include:

	Blinding			
Microdosing	**Matching placebo**	**Parenteral drugs**	**Over-encapsulation**	**Additional capabilities**
• Microdosing of APIs and API blends with Modu-C LS Containment (Harro Höfliger) • Availability of 2 Modu-C LS, one fully contained • High-speed manufacturing of API in capsules, inhalation capsules, and matching placebos using Modu-C LS – 100% check weighing of net weight per capsule by sensor control (advanced mass verification) – Fully contained encapsulation, lowest dosage of API (1 mg) – Different dosing principals (e.g., drum dosing with sonication or with MicroVibe™ instruments) – Products with poor flowability characteristics such as spray-dried powders can be processed with ultrasonic dosing station – Tech transfer and scale up are simplified and accelerated for transition from clinical to commercial – Integrated in-process control based on weight	• Manufacturing of matching IMP placebo tablets • Blinding via manufacturing of matching placebo capsules • Sourcing of matching placebo to comparator	• Blinding of prefilled syringes, vials, bottles, nasal sprays, and IV bags	• Deblistering and debottling of globally sourced comparator drugs • Fully automated blinding of comparators via over-encapsulation • Multi-product encapsulation • Fully automated, semi-automated, and manual options • Fully automated pellet dosing in capsules	• Special projects involving hazardous components • Development of blinded comparators: method development and validation, stability testing, release, and IMPD submission data generation

Watch this video to **learn more about our capabilities**

Our site in Basel, Switzerland, a manufacturing center of excellence, is a great representation of our extensive capabilities. Watch the video to learn more.

Explore how the drug-in-capsule approach helps to reduce your time to patient by eliminating the need for galenical preformulation. Contact your local Thermo Fisher Scientific representative to learn more.

Contact us

Learn more at **patheon.com/clinicaltrials**
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