

Your Partner for Drug Product Development and Clinical Production

Drug Substance Intake

- Compatibility
- Powder characterisation
- Solid state
- Solubility
- Supersaturation
- Stability

Formulation Development

- Oral solid dosage forms
 - Powder / Granules
 - Tablets / Capsules
 - Suspensions
- Inhalable / Nasal formulations
- Injectables
- Advanced solutions
 - Amorphous solid dispersions
 - Oral peptides

Process Development

- Spray Drying
- Granulation
- Tableting
- Coating
- Spray Congealing
- Hot Melt Extrusion
- Extrusion/Spheronisation

DS/DP Manufacturing

- R&D - preclinical
 - PK/PD batches
 - Tox batches
- GMP - clinical phase I & II
 - Tablets
 - Capsules
 - Bulk powder
 - Liquids

Short lead times accelerate your time to market



The fast lane to a test-ready formulation

Xedev specializes in product and process development for solid dosage forms. Working closely with our customers, we develop the best possible formulation for their product.

Our scientists cover a broad range of administration routes for early-phase formulation development, supported by dedicated analytical capabilities to ensure a complete understanding of product quality and stability.

We combine strong formulation and analytical expertise with a GMP facility and a robust pharmaceutical quality system, enabling drug product manufacturing up to Phase IIb, following a phase-appropriate development approach throughout.

We typically start within 4 to 6 weeks of customer approval. Flexibility, transparency, and direct communication are at the core of how we work. Customers are always welcome in our labs, and many describe working with Xedev as having an extension of their own team.

Each project is assigned a dedicated project manager who takes full ownership of timelines, budget, meetings, and reporting, so you always know where your project stands.

"All work is conducted on a fee-for-service basis, covered by an NDA with full respect for your intellectual property."

Drug Product Development

Solid Dosage Forms: Xedev develops the right solid formulation for your molecule, from powders and granules to tablets, capsules, inhalables, nasal formulations, and injectables.

Improved Solubility & Bioavailability: We overcome poor solubility through e.g. amorphous solid dispersions (ASDs), nanosuspensions, cyclodextrin complexation, or lipid-based formulations, selecting the most suitable approach for your compound.

Analytical Testing: From early R&D to GMP-compliant batch release, we provide dissolution testing, chromatographic analysis, solid-state and physicochemical characterization, and ICH-compliant stability studies.

Advanced Solutions: Spray drying, targeted release profiles, particle engineering, and dedicated expertise in oral peptide and biologic formulation development.



Drug Product Manufacturing

Preclinical manufacturing

Xedev manufactures R&D batches under controlled non-GMP conditions, supporting proof-of-concept studies, toxicology testing, and PK/PD evaluations for small molecules, biologics, and peptides.

We offer flexible batch sizes from grams to kilograms, with all material tested using our in-house analytical capabilities. Our processes are fully scalable, ensuring a smooth transition from preclinical to clinical manufacturing.



"The use of state-of-the-art modular equipment made by our sister company Procept and in-house access to their engineering, translates directly into shorter timelines and more flexibility for your project."

Clinical Manufacturing

Xedev provides flexible GMP manufacturing services for Phase I and II clinical trials, covering batch sizes from grams to kilograms to support dose-escalation and clinical program needs.

With formulation, process development, and manufacturing all in-house, no tech transfer is required, accelerating timelines and reducing risk on your path to the clinic.

We support small molecules, biologics, and peptides across a range of dosage forms: bulk powders, capsules, tablets, and oral liquids.

Tech Transfer & Scale-Up

Using a Quality by Design (QbD) approach, we ensure a smooth and controlled transfer of your material, whether to a larger scale at Xedev or to an external manufacturing partner.



Our Processing Equipment



- Spray dryer** (Procept 4M8-TriX, SD2, SD1L)
- Amorphous solid dispersion (ASD)
 - Inhalables/Nasal formulations
 - Oral peptides

"With extensive experience in spray drying projects across multiple industries, Xedev is a world expert in spray drying."



- Spray congealer** (Procept 4M8-TriX)
- Controlled drug release
 - Taste masking



- Pan coater** (Procept 4M8-TriX)
- Tablet and capsule coating (wet and melt)



- High shear granulator** (Procept MiPro)
- Granulation: avoid segregation, improve flow
 - Silica loading



- Fluid bed** (Procept 4M8-TriX)
- Bead coating: taste masking, controlled release
 - Granulation: avoid segregation, improve flow



- Twin screw extruder** (Procept Extruder)
- Granulation (wet and hot melt)
 - Extrusion (wet and hot melt)



- Tablet press / compaction simulator** (Medelpharm Styl'One Evo)
- Tableting

Our key strengths

- **Experts in formulation and process development**
- **Small scale precision**
 - » get your answers before scaling up.
- **Flexible and responsive**
 - » your timeline, your needs, our expertise.
- **From molecule to a test-ready formulation**
 - » we prepare your compound for clinical success.
- **A focused and personal approach**
 - » you are not a number but a priority to us.
- **Science driven**
 - » integrating our university partners' state-of-the-art fundamental research and science into our services and solutions.
- **Continuous in-house innovation**
 - » close collaboration with, and support from Procept. This results in the application of unique engineering solutions in the shortest possible time frame.



XEDEV BV
Poldergotestraat 4
9240 Zele, Belgium

+32 9 342 23 29
info@xedev.com
www.xedev.com



XEDEV

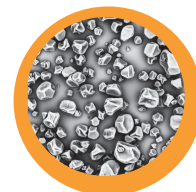
Smart Formulations, Solid Results

**YOUR CDMO PARTNER
SPECIALISED IN FORMULATION
AND PROCESS DEVELOPMENT
FOR BIOLOGICS AND
SMALL MOLECULES**



**WE TURN PROMISING COMPOUNDS
INTO CLINICAL FORMULATIONS**

**FAST TRACK FROM SCREENING
TO CLINICAL PRODUCTION**



www.xedev.com