



**Your trusted partner for  
innovative pharmaceutical  
development**





# About Novocap

Novocap is a Contract Development and Manufacturing Organization (CDMO) based in Buenos Aires, Argentina, specialized in complex oral solid dosage forms.

We are ready to collaborate on your most challenging projects, including:

- Oral formulations with complex release profile.
- Innovative fixed-dose combinations.
- Bioavailability enhancement and dose reduction.
- Amorphous solid dispersion via hot melt encapsulation.
- Spray-dried solid dispersion layered onto pellets.





## Our Business Model

We establish long-term relationships with leading pharmaceutical companies to create value-added products.







# Services

Our services range from product concept to commercial-scale manufacturing.

## Formulation Development

- *Pre-formulation*
- *Excipients-API compatibility*
- *Manufacturing of small-scale prototype batches*
- *Production of placebo batches and problem batches*

## Analytical Development

- *Analytical method development and validation*
- *Microbiology testing*
- *Cleaning validation*
- *Accelerated and long-term stability testing*

## Technology Transfer & Manufacturing

- *Process scale-up*
- *Process validation*
- *Commercial-scale production*





# Technologies

Novocap's expertise in multiparticulates and liquid-filled capsules establishes the company as the leading CDMO specialized in oral drug delivery systems in Latin America.

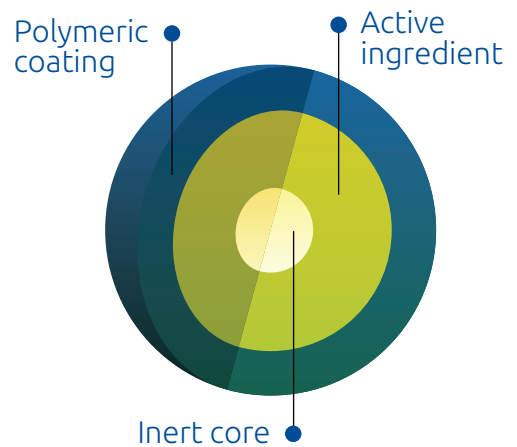


# Multiparticulates

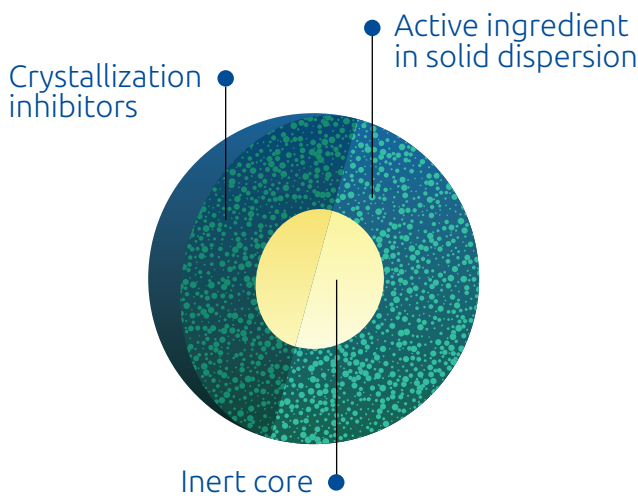
Microgranule technology, also known as pellets, involves applying functional coatings to small spherical particles, enabling precise and reproducible control of the dissolution profile.

## 1 Modified Release

Pellets are coated with one or more layers of polymers. Depending on the desired dissolution profile, the coating employs soluble, insoluble, pH-dependent, or a combination of polymers, enabling extended, enteric, or colonic release profiles. It is also possible to achieve pulsatile release and to combine two or more populations of pellets with different dissolution profiles in a single dosage form.



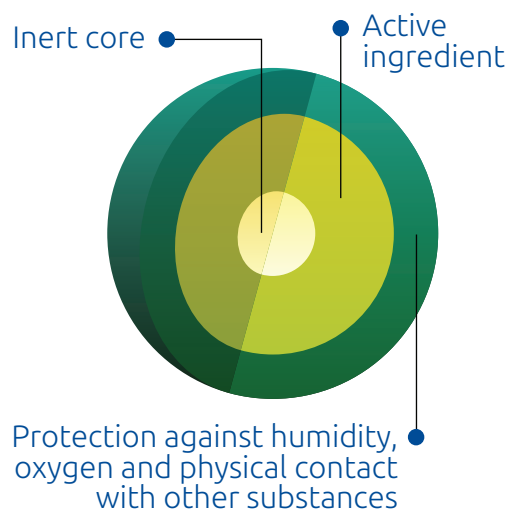
## 2 Increased Solubility



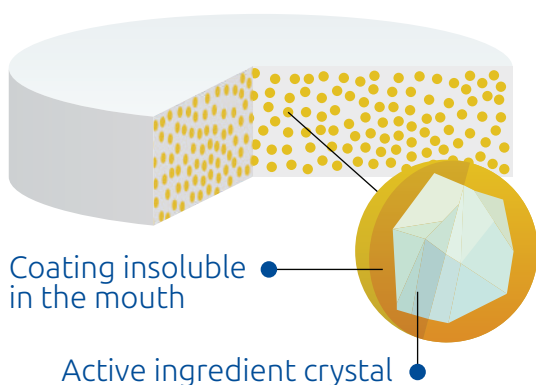
The active ingredient is formulated as an amorphous solid dispersion layered on the surface of neutral pellets. Optionally, surfactants and disintegrants may be added to achieve the desired release profile.

### 3 Stability Enhancement

Pellets are coated with a protective soluble polymeric film. The coating membrane is adapted to the specific need, for example: isolation of incompatible active ingredients, or protection of APIs from ambient moisture and oxygen.



### 4 Taste Masking



Active ingredient crystals are coated to obtain taste-masked particles with a diameter between 200 and 600 microns, ideal for suspensions, dispersible tablets, or chewable tablets. The coating is designed to be insoluble in the mouth but quickly soluble in the gastric environment, without interfering with bioavailability.



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## Liquid-filled capsules

Liquidcap technology consists of hard capsules with a liquid or semi-solid fill. The capsules are designed to optimize bioavailability, providing therapeutic advantages compared to traditional dosage forms.

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# Get in touch with our team to discuss your formulation challenges

## **Novocap S.A.**

Tel: +5411 6842-5500

*info@novocap.com*

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### **Ezeiza Manufacturing Unit**

Puente del Inca 2450  
Carlos Spegazzini,  
Buenos Aires, Argentina.

### **Avellaneda Manufacturing Unit**

Torcuato Di Tella 968  
Piñeyro, Avellaneda,  
Buenos Aires, Argentina.

