



As an integral complement of our liquid-fill hard gelatin and HPMC capsule technologies, Capsugel's soft gelatin capsule technology brings a range of formulation and commercial benefits to pharmaceutical and dietary supplement products.

A wide variety of lipid-based fill excipients can be utilized to improve the bioavailability of poorly water-soluble compounds, reduce food effect and improve API stability. The one-piece softgel capsule features an easy-to-swallow shell that meets all global quality standards under a Certified QA system for traceability of raw materials. And the tamper-resistant shell — which masks taste and smell — is available in a wide range of unique shapes and colors to meet branding, line extension and life-cycle management objectives.

### Flexible Dosage Forms

Meet your branding and life-cycle management objectives while taking advantage of the flexibility of soft gelatin capsules.

---

Encapsulation of a wide variety of fill formulations

---

Wide array of sizes, shapes, colors and forms

---

Oral, topical, ophthalmic and vaginal administration

---



### Proven Applications

Softgel capsules address a broad array of formulation challenges, often incorporating a variety of pharmaceutical-approved lipid-based excipients. Formulation flexibility is a hallmark of Capsugel's encapsulation formulation and manufacturing technology.

<b>Bioavailability</b>	Allows multi-fold improvement in bioavailability and reduction of food effect as demonstrated across a library of reference formulations
<b>Dose Uniformity</b>	Assures dose uniformity of low-dose APIs
<b>High Potency</b>	Allows for safe handling of high-potency API
<b>API Stability</b>	Constitutes a suitable dosage form for oxygen and/or light-sensitive APIs and APIs with a low melting point

## Center of Excellence for Softgel Design, Development & Manufacturing



### Specialized Softgel Capability for Challenging Compounds

Capsugel Ploermel (France) serves as our Center of Excellence for lipid-based formulation design, development and manufacture using soft gelatin capsule technology.

Over 20 years of experience in softgel manufacturing

Inspected by US FDA, EMA and ANVISA

Integrated product design, development and commercial manufacturing on site

Specialized isolation capabilities for handling highly potent compounds

Specialization in developing and manufacturing softgels containing hormones and light- or oxygen-sensitive API (e.g. [iso]tretinoin and pharmaceutical-grade purified fish oils)

**Learn more about how Capsugel's Softgel Capsule Technology can help you realize a range of formulation and commercial benefits.**

Capsugel Center of Excellence for Softgel Technology  
(Ploermel, France)



**Capsugel**<sup>®</sup>

**LONZA**

Pharma & Biotech

solutions@lonza.com  
Capsugel.com  
US: 800-706-8655  
Europe: +44 (0)1506 448080