

The Licaps logo is located in the top right corner. It consists of the word "Licaps" in a white, serif font, enclosed within a white-bordered oval that has a slight gradient and a shadow effect. The background of the entire advertisement is a dark blue gradient with a central, bright, glowing light source that creates a lens flare effect, illuminating a clear, pill-shaped capsule in the foreground.

Licaps®

Introducing Licaps® Fusion Technology

A NEW STANDARD IN DRUG DELIVERY

www.capsugel.com

CAPSUGEL®



Capsugel's New "Fusion technology": Setting New Standards for Liquid Encapsulation

Competing in today's pharmaceutical market requires innovative drug delivery technologies that can accelerate the drug development process and unlock new opportunities for life cycle management. Capsugel's new Licaps® Fusion Technology utilizes a series of cutting-edge advancements in capsule filling, sealing and final product inspection to ensure consistent product quality and a robust and reliable capsule seal.

High protection

For outstanding product integrity
with liquid formulations

New Licaps® Fusion Technology is a major advancement in liquid-filled capsules

- Two-piece body and cap hermetically sealed to form a leak-proof, perfectly airtight, one-piece capsule
- The one-piece capsule cannot be opened without visible damage
- Potentially tamper-evident

Licaps® shell matrix is highly impermeable to atmospheric moisture and oxygen

- Provides a high level of protection from degradation of sensitive compounds



Fast release

Faster drug release facilitates more
rapid therapeutic effect

Rapid and complete capsule shell disintegration

- Licaps® thin shell made without plasticizers or preservatives, is ideal for drugs requiring fast release

Licaps® capsules provide an efficient and highly effective means for delivering liquid drug formulations

- Liquid formulations can speed drug substance absorption helping ensure a rapid achievement of therapeutic effects



High protection meets fast release

Broad applications, wide-ranging benefits

New chemical entities	Added-value generics	OTC line extensions
High protection and innovative solutions for challenging compounds	Create new and improved products from existing drugs	Satisfy a range of patient/consumer needs (e.g. faster-absorption, high acceptability)*
▶ Realize the potential of drugs and overcome problematic formulations	▶ Differentiate your compound with a unique dosage form	▶ Stimulate stronger purchase intent among consumers than traditional dosage forms*

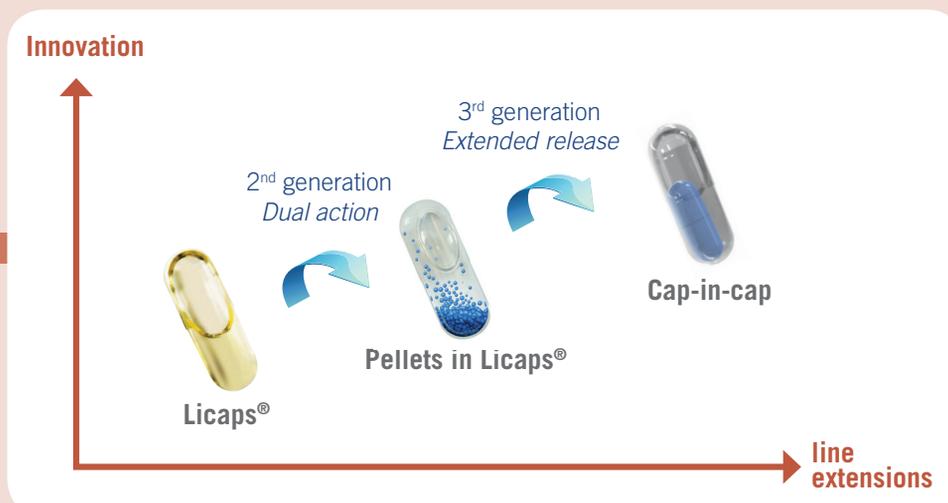
Over-arching benefits:

- ▶ **Rapid development for faster time to market**
- ▶ **Established, robust and flexible manufacturing process**
- ▶ **Cost and sustainability advantages**

Single or multiphase formulations for innovative and versatile product offerings

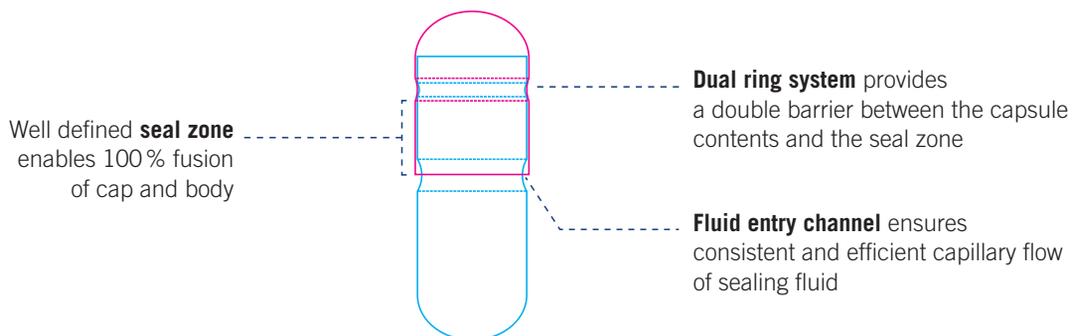
Pellets in Licaps® and Cap-in-cap open up new market applications:

- Multiple release profiles ▶ **To reach pharmacokinetic challenges**
- Novel combinations
- Complex formulations ▶ **To improve patient compliance**



Licaps[®]: a new standard in liquid-filled encapsulation

► Cutting-edge hard capsule design

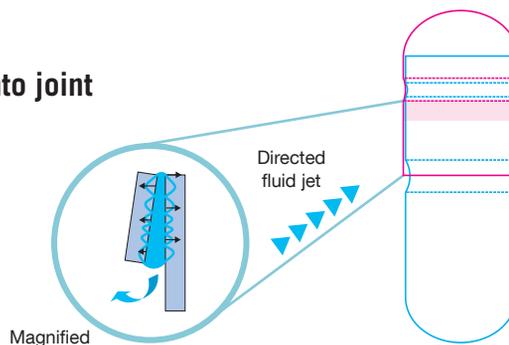


► Leader in innovation with proprietary Fusion Technology

Spraying

Sealing fluid is sprayed onto joint between cap and body

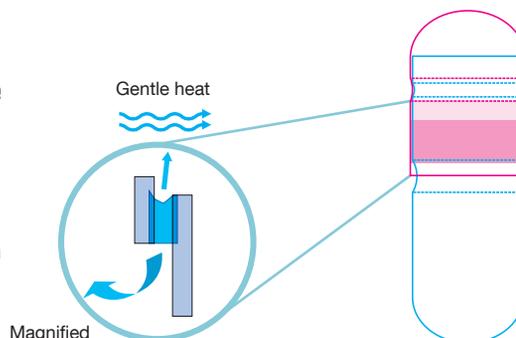
Capillary action rapidly draws fluid up between the cap and the body. Suction removes excess fluid.



Warming

Brief application of gentle heat melts and fuses the moistened capsule in the seal zone

The combination of moisture and gentle heating ensures fusion of the cap and body, thereby providing a robust and highly reliable seal.



Setting

Capsule sets and hardens at room temperature

Tamper-proof seal is achieved.



Capsugel vision

To be the leading provider of innovative dosage forms and solutions to healthcare customers around world

Worldwide locations

With multiple production and business facilities worldwide, Capsugel offers unmatched reliability of supply



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