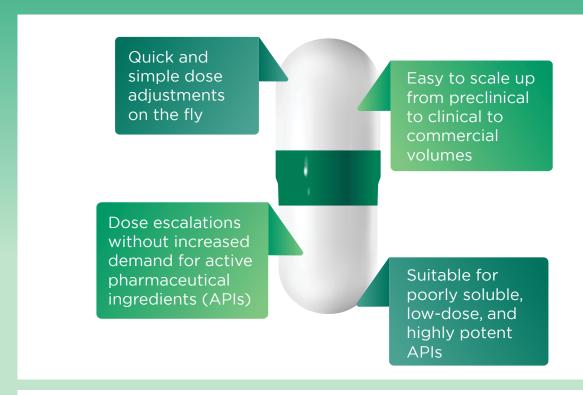


THE BENEFITS OF LIQUID-FILLED CAPSULES (LFCs)



LFCs vs. Tablets

The benefits of LFCs can be summarized with the 5 S's



SPEED — Faster and more cost-efficient entry into clinic



SAVINGS — Quicker formulation leads to lower development costs compared to tablets or other solid oral dosage forms



SAFETY — Safer and easier to handle highly potent APIs once wetted



SCALABILITY — Easy, incremental dose escalations and fewer steps in the scale up process



SOLUBILITY — Better therapeutic outcomes for challenging APIs

Applications for Challenging APIs



Highly Potent APIs

 Reduced risk of airborne exposure to operators during the manufacturing process



Poorly Soluble APIs

 Significantly enhanced bioavailability and solubility when formulated as a liquid in a hard-shell capsule



Low-Dose APIs

- Greater uniformity for low-dose products versus powder combinations (with a capacity of 0.25μg/capsule)
- Fewer studies required to achieve drug stability



APIs Requiring Sustained Release

 Customizable drug formulation and polymer composition of the capsule to accommodate APIs with different properties and desired dissolution profiles

LFCs Offer Advantages During Each Phase of Drug Development



Early-Phase Testing

- Speed of development
- · Ease of dosage adjustment



Late-Phase Testing

- Ease of scale-up
- Fast availability for clinical trial site
- Range of dosage options easily produced



Commercialization

- · Ease of scale-up without significant change in equipment or process
- Wide range of dosage options can be manufactured for commercial use
- Variety of band colors for customized branding opportunities

DID YOU KNOW?

Altasciences has a 97% success rate at releasing quality batches right, **the first time**.



CONTACT US

