

# Oral and Topical

Security, service and value make 3M the smart choice for pharmaceutical contract manufacturing.

With pain-free technology transfer and commitment to quality control and compliance, 3M is a proven partner for oral and topical pharmaceutical contract manufacturing. From helping differentiate your new or existing products through innovative packaging, to bringing your new formulations to market quickly, 3M is the drug delivery partner you can trust to focus on delivering quality.

## The Experts

- Dedicated experts to optimize the supply chain for increased quality and speed to market
- Long-standing expertise developing and manufacturing oral and topical drug products

## Global Resources

- Worldwide product registration and distribution
- In-house resources including: toxicology, regulatory, quality assurance and operations

## Stable & Proven

- A proven reputation for quality and service
- Backed by the stability of the global 3M Corporation

To learn more, scan code or visit: [3M.com/DDS](http://3M.com/DDS)



# Trusted, experienced and ready to help.

With over 50 years of pharmaceutical manufacturing experience, 3M has a proven reputation for stability, quality and innovation. As your strategic business partner, we're always ready to help resolve formulation challenges and assist with regulatory approvals of oral and topical drugs.



## Topicals make quality control difficult. We make it look easy.

Topicals are a delicate business. Quality can be affected by heating and cooling rates, mixing methods and processing temperatures. Everything has to be exactly right every time. 3M is a proven manufacturer of topical products with an unwavering commitment to quality control and customer satisfaction.

We have broad experience in a wide range of topical applications:

- Creams and gels in a wide range of viscosities
- Lotions and ointments



## Offering oral drug delivery on a global scale.

Let 3M be your competitive advantage. Our global manufacturing capabilities can accommodate your production and supply needs. We have the flexibility to scale up from pre-clinical concepts to clinical trials to full-scale commercialization.

We offer a full range of oral drug delivery applications:

- Capsules (immediate and controlled release)
- Liquids
- Tablets (immediate and controlled release, taste-masking)
- Buccal and sublingual oral transmucosals
- Beads and pellets



## More ways to bring creams and gels to market

Whatever your formulation, we can maximize its potential. We can handle a wide range of viscosities and package them in aluminum or plastic tubes. We are also one of the few manufacturers who offer delivery via large and small sachets. This convenient form allows for dosing in small quantities—as low as 0.25g.

## Flexible options for capsules and tablets.

We provide an array of options for capsules, from controlled release formulations, to aqueous and solvent coating, to powder/bead encapsulation and finally extrusion and spherulization for beads. For tablets, we offer fluid bed and tray drying, tablet compression and multiple granulation suites. No matter how you choose to deliver your formulation, we have the capabilities to manufacture it.



## Manufactured for success.

As a global leader in drug delivery systems manufacturing for more than 50 years, we have the systems and processes that lead to your success.

- Experts who understand what it means to meet critical formulation process parameters
- Experience and capability to support scale up or commercialization
- Analytical method development, validation, raw material and testing
- Trusted manufacturing with global distribution and compliance
- Systems automation for speed and product quality



### Drug Delivery Systems

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