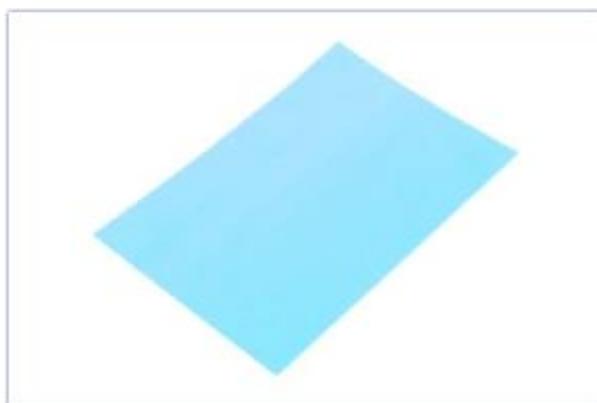


Oral Thin Films Technology

Oral thin films are a very thin polymer films, consisting of a single or multi-layer polymer matrix, which are usually applied in the mouth to function. Oral thin films are usually water-based soluble polymers designed for rapid and systematic delivery of drugs, with the active substance transported directly into the bloodstream. This avoids exposing the drug to the harsh conditions of the stomach and allows this drug delivery system to deliver a greater percentage of the active compound per dose. Oral thin films technology enables rapid release of the active substance in the form of a single or multi-layer system.

Depending on the drug candidate and the targeted indication, oral thin films can be formulated as a transmucosal, in which the active substance enters the body circulation directly through the buccal mucosa, avoiding a once-through effect in the liver.



Our Services

CD Formulation provides oral thin films technology services, including oral thin films formulation development, oral thin films performance testing, and process optimization services.

- **Oral Thin Films Formulation Development**



CD Formulation's formulation development includes the examination of film size and thickness, drug/polymer ratio, viscosity, flexibility and tensile strength, etc., and then customization according to the physicochemical properties of the drug itself, the amount of drug required and the type of oral thin films release needed, providing multi-faceted, personalized and integrated services.

- **Performance Testing**



CD Formulation performs characterization of the mechanical and performance properties of the films. The mechanical properties include elongation at break, folding resistance and tear resistance. The performance properties include oral thin films uniformity, impurities, and disintegration/dissolution rates.

- **Process Optimization**



Development of new particle engineering technologies to improve drug solubility.

Our professional pharmacy experts and laboratory instrumentation can bring you comprehensive technical services and solutions to help you achieve drug development to drug delivery integration.

Why Choose Oral Thin Films?

- Traditional oral solid dosage forms, such as capsules or tablets, must be swallowed, preferably with water or any other liquid.
- Oral thin films offer an alternative, non-obstructive dosage form with the benefits of tablets or capsules but with the convenience of administration leading to treatment compliance.
- Swallowing can be a barrier to medication administration in certain categories of patients (e.g., children, elderly, mentally challenged, nausea, ambulatory and bedridden patients).
- This unique delivery platform offers the possibility to repurpose and reformulate generic drugs to create new or expand existing brands with unique new dosage forms with high competitive technological barriers!

About CD Formulation

CD Formulation provides integrated innovation solutions from strategy to implementation to help you increase opportunities and address challenges. Through our in-depth experience in many different industries, including consumer and technology, we bring innovative solutions and cross-industry best practices to drug development. If you have a requirement about our oral thin films services, please **contact us** by phone or email, our colleagues will reply to you within three working days.

Source: <https://www.formulationbio.com/oral-thin-films-technology-services.html>