

## LINGUAL THIN FILMS: POINT-OF-CARE THERAPIES WITHOUT THE PILLS



# WHEN SWALLOWING ISN'T AN OPTION, COMPLIANCE PLUMMETS.

Traditional tablets and capsules fail millions of patients daily, from pediatric patients to seniors with dysphagia. ARx Lingual Thin Films close this critical treatment gap, delivering precise dosage through an ultra-thin film that dissolves on the tongue, no water needed.

The result? Higher compliance, better outcomes, and a wider market reach.

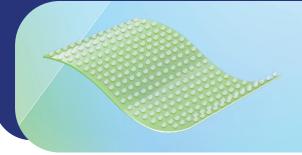
#### SPECIFICATIONS SNAPSHOT

- **Dissolution Time:** 5-60 seconds
- API Load: Up to 50 mg per film
- Size Range: 2-9 cm<sup>2</sup>
- Thickness Range: 20-250 microns
- Best Fit For: Low-bioavailability compounds

### FROM TONGUE TO TREATMENT, IN SECONDS

Our proprietary polymer technology creates films that dissolve rapidly in saliva, delivering your API precisely where and when needed. Leveraging decades of polymer science expertise, we custom-engineer formulations that optimize dissolution, taste-masking, and bioavailability—even for challenging compounds. This advanced delivery system offers:

- On-Tongue Activation: The film is placed on the tongue and dissolves quickly through saliva, releasing the active compound for swallowing and absorption via the GI tract.
- 2. Flexible Release Profiles: Films can be tuned for immediate or modified release, supporting therapeutic goals from rapid relief to extended exposure.
- Taste-Masked, Multi-Layer Systems: Built--in taste-masking and multi-layer structures enhance patient acceptance and protect sensitive APIs.
- 4. Discreet, Water-Free Administration: A portable, non-invasive option that fits easily into any care routine—ideal for all ages and abilities.
- High-Performance Manufacturing: Produced in FDA-compliant facilities with rigorous controls to ensure dose precision, film integrity, and long-term stability.





#### YOUR END-TO-END PARTNER IN LINGUAL FILM DEVELOPMENT



#### **Formulation Development:**

We engineer custom matrices for your API, optimizing dissolution profiles and GI absorption pathways.



#### **CMC Product Development:**

From proof-of-concept to regulatory submission, we deliver comprehensive CMC packages that accelerate approval.



#### **Analytical** Testing:

Validated analytical methods ensure uniformity, stability, and precise dosing via in vitro testing.



#### **Process Development** & Optimization:

Our QbD approach creates scalable, efficient processes that transition seamlessly from lab to commercial production.



#### **Quality & Regulatory** Support:

Leverage decades of successful FDA interactions to streamline your IND, ANDA, or NDA submission.



#### Commercial Manufacturing:

Over 100M+ units produced annually in FDA-registered, cGMP facilities.



#### **UNLOCK THE UNTAPPED** MARKETS LEFT BEHIND

At ARx, we don't just design new dosage forms—we open new markets. Our lingual systems address difficult-to-medicate populations, extending product lifecycles and market positioning, all without costly new drug development.

Delivers up to 50 mg of API per film.

Rapid dissolution time in as soon as 5 seconds.

Over 20 years in commercial manufacturing.

Proven quality system with 9 positive FDA inspections.



#### LOOKING TO INTEGRATE YOUR API INTO A NEXT-GEN **DELIVERY SYSTEM?**

Partner with ARx to transform your therapeutic concepts into scalable, regulatory-compliant products.

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