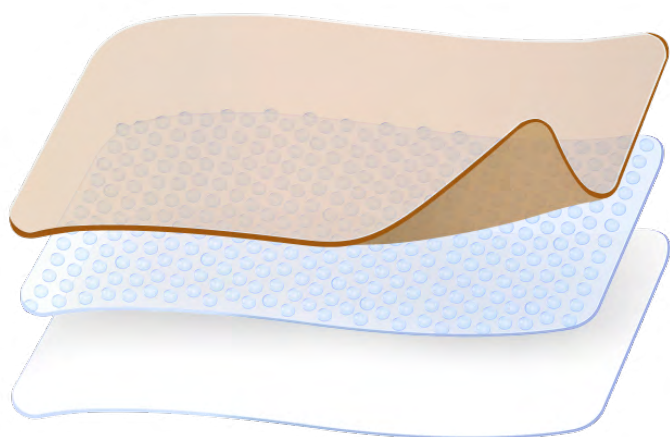




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TOPICAL PATCHES: PRECISION THERAPEUTIC TARGETING WHERE IT MATTERS MOST



ARx's topical patches deliver therapeutic agents directly to the treatment site, providing precise, localized relief while minimizing systemic exposure through advanced adhesive technology.

SKIN-SELECTIVE DELIVERY. SYSTEMIC AVOIDANCE.

From fast-acting 12-hour systems to extended 7-day wear, ARx designs patches that work with your molecule, not against it. Our proprietary adhesive platform couples secure, comfortable adhesion with controlled release to help reduce systemic exposure and maintain performance. Backed by six decades of polymer science, we translate complex delivery challenges into market-ready products that give your API a true competitive edge.

OUR ADVANCED TOPICAL PATCH DEVELOPMENT PROCESS:

- **API Compatibility & Permeation Assessment**

We evaluate your compound's topical patch potential using proprietary screening methods developed from decades of success in transdermal and topical delivery systems.

- **Adhesive Matrix Optimization**

Advanced formulation systems predict optimal drug-adhesive combinations and skin compatibility to maximize therapeutic delivery while minimizing irritation.

- **Multi-Layer System Architecture**

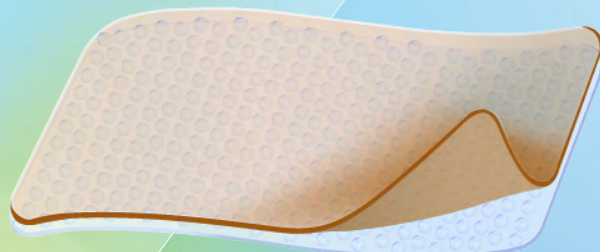
Customized matrix, reservoir, or multi-layer designs control drug release profiles, from rapid 12-hour delivery to sustained 7-day treatment systems.

- **Skin Adherence & Comfort Optimization**

Specialized adhesives ensure secure wear with patient comfort and clean, residue-free removal.

- **Scale-Up & Process Validation**

Together, we transition from prototype development to commercial manufacturing with validated processes that ensure consistent patch performance and regulatory compliance, all at a single site for seamless technology transfer.





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COMPREHENSIVE ARX TOPICAL PATCH SERVICES INCLUDE:

Formulation & Feasibility

- API/adhesive compatibility evaluation
- Topical screening and optimization
- Multi-layer system architecture and design
- Release profile engineering for target topical windows to minimize or eliminate systemic delivery

Process Development & Scale-Up:

- Solution coating and lamination for patch formation
- Hot-melt coating and pressure-sensitive adhesive capabilities
- Content uniformity optimization and dose precision control
- Pilot-to-commercial scale process translation

Analytical & Quality Support

- Dissolution and skin permeation testing protocols
- Analytical method development and validation
- Stability studies and shelf-life determination
- Bioavailability and bioequivalence study support


Commercial Manufacturing

- cGMP facilities with millions of patches produced annually
- Equipment qualification (IQ, OQ, PQ) and validation
- Complete technology transfer and regulatory documentation



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

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

 **Phone:** +1(717) 235-7979

Toll-Free: +1(800) 445-6240

 marketing@arxpharma.com

 400 Seaks Run Rd.
Glen Rock, PA 17327

FROM PATCH FEASIBILITY TO FILE, **FASTER.**

ARx engineers patient-focused delivery systems designed for speed and reliability, helping you bring therapies to market and deliver better outcomes for patients.

By uniting advanced adhesives, multi-layer design, and QbD-driven development, we shorten timelines and ensure precise dosing, long-term stability, and regulatory confidence at every stage.

100

Custom patch sizes
up to 100 cm²

7

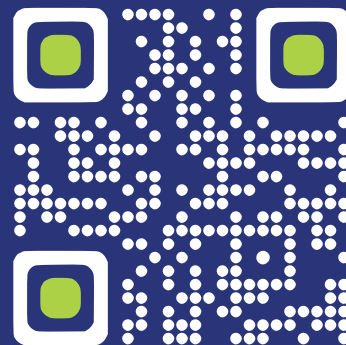
Wear time that ranges
from 12 hours to 7 days

50-500

Tunable thickness range
from 50-500 microns

36

Stability of up to 36 months
for global distribution



For More Information, Please Visit:
arxpharma.com