



THE TOPICAL AND TRANSDERMAL EXPERTS



MedPharm is the world's leading contract provider of topical and transdermal product design and formulation development services.

Known for their scientific rigour by regulators and investors alike, MedPharm are experts at mitigating risk and accelerating development times through their unique, automated and cost-effective performance testing models.

Knowledge where you need it

Development is supported across all stages of drug candidate selection:

- Formulation Development
- Performance Testing
- Clinical Manufacturing

MedPharm's expertise covers the following routes of delivery:



SKIN



NAIL



MUCOSAL MEMBRANE



EYE



AIRWAYS



EAR

Solutions to mitigate risk

MedPharm has developed **unique performance models** to de-risk clients' development programmes

In vitro Release Testing (IVRT)

- Unique high throughput models to build confidence on formulation performance or API selection
- Validated models to product specification
- Cost effective generic equivalence

In vitro Performance Testing (IVPT)

- Unique high throughput models to build confidence on formulation performance or API selection
- *Ex vivo* models for nail, skin and various epithelia

Disease/Activity Models

- Measure the penetration and efficacy of the drug to establish a PK/PD relationship and de-risk clinical program
- Custom models developed to match clients target biochemical pathways
- Models created to substantiate claims for OTC products

20 years of regulatory expertise

- **Over 40** topical commercial products supported worldwide
- **Multiple regulatory biowaivers** obtained for clients for generic products using unique validated models
- Help customers **navigate the complexity** of regulatory approvals for topical and transdermal products worldwide

www.medpharm.com

Durham, NC, USA
Guildford, Surrey, UK

+44 (0)1483 457580
busdev@medpharm.com

