At EnDev, our job is to create “what’s next” in the world of prescription and OTC dermatological products. Our Skin Biology Laboratory is a big contributor to that mission. It provides best in class services in topical/dermal product development, from discovery to commercialization.

Capabilities

Early Safety Screening
- Skin Irritation
- Skin Sensitization
- Ocular Irritation
- Phototoxicity

Drug Activity/Target Engagement Models
- Retinoid Activity
- Anti-Oxidant
- UV Protection
- Skin Pigmentation/Lightening
- Ex Vivo Tissue Culture
- Reconstructed/3D Human Skin
- Genetically-Modified Human Skin

Drug Delivery & Early DMPK
- Skin Penetration (Distribution & Flux)
- In Vitro Release Testing (IVRT)
- Skin Protein Binding
- Early DMPK
- PK/PD modeling

Consulting
- Strategy for Topical Formulation Development
- Claims Support
- Study Design
- Target/Asset Assessment

Facilities

EnDev is located in a 10,000 square foot state-of-the-art facility in Kannapolis, North Carolina. In addition to our own full service capabilities our location in the core laboratory building of the NC Research Campus gives us access to the David H. Murdock Research Institute’s advanced laboratory capabilities and instrumentation. These additional services can be found at: http://dhmri.org/research-capabilities/biopharmaceutical-discovery-development

Affiliation

Endev is a division of Ei, a full-service CMO. This not only grounds us in the realities of manufacturing, but allows us to provide you seamless options for moving from development to commercialization.
Two types of testing: Franz Cell and In-line methods with benefits that suit your particular application.

EnDev provides two types of validation, each offering unique benefits:

- Modified Epiderm™ Skin Irritation Testing (SIT), irritant or non-irritant
- Epiderm™ Skin Model, expected In Vivo irritancy

Dermal PK/PD capabilities bridge tissue concentration to biological activity, including in vivo skin deposition, biomarker(s) response and tissue concentrations.