



COSMETIC CLAIMS WITH A SEAL OF EXCELLENCE

MedPharm's Center for Skin Biology: The Standard of Quality



MedPharm's Center for Skin Biology (CSB) delivers more than claims — With over 25 years of skin biology expertise, MedPharm's CSB is your end-to-end partner in delivering performance-based cosmetic claims that stand up to scientific scrutiny and consumer expectations. We combine formulation optimization, product characterization and benchmarking, and custom preclinical models built on proprietary test systems. Our industry-leading skin viability platform maintains biologically active skin for up to 30 days for advanced testing of long-term effects.



With MedPharm's scientific rigor and trusted clinical trial partnerships, we generate reliable data to support your claims and give your product a measurable edge.



WHAT IS CSB?

MedPharm's CSB is a dedicated team and laboratories focused exclusively on the cosmetic and personal care space. It provides scientific support for substantiating performance-based cosmetic claims through:

- Formulation development & optimization
- Preclinical models using human skin
- Clinical trial design & execution
- Benchmarking & competitor analysis
- Regulatory-aligned methodologies

Whether you're launching a new product, refreshing a brand, or getting scientific backing for a new ingredient, CSB delivers trusted results that your brand can stand behind.

WHO WE SERVE

CSB supports a range of innovators across the global cosmetic and personal care space, from early-stage startups to established industry leaders:



Ingredient
suppliers



Indie brands
and startups



Global cosmetic
companies



Dermatology clinics
& cosmetic surgeons

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WHY MEDPHARM'S CSB?

CSB combines scientific rigor, proprietary test systems and models, and deep dermatological expertise to generate reliable, scientifically backed data that can give your product a marketing edge.

30-Day Skin Viability

Proprietary Skin Life Extension Protocol (SLEP) keeps human skin biologically active for up to 30 days. That's over 3x longer than industry average, enabling deeper, more meaningful data.

Proprietary Test Systems | High-throughput and automated platforms, including:

- **MedFlux-HT®:** Advanced high-throughput flow-through diffusion system for skin penetration and permeation studies (e.g., IVPT)
- **HTPD culture system:** High-throughput device for extended skin culture and larger study designs using living human explants
- **TEWL barrier assessment system:** Measures function, disruption, and reconstruction of the skin barrier, compatible with MedFlux and HTPD
- **Wounding device:** Allows for consistent mechanical (cutting/scraping) wounds; in conjunction with HTPD, can provide evaluation of every stage of the wound healing process

End-to-End Expertise

From early-stage formulation to clinical trial execution, CSB offers responsive support across the product development life cycle.

Clinical Trial Access & Capabilities | Through our partnership with Wilmington Dermatology Center:

- Established clinical trial site and integrated dermatology practice
- 95+ clinical trials completed
- 75,000+ patients and consumers in database
- Track record of meeting and exceeding diverse recruitment goals
- Historically low screen failure rate (~3%)
- Dedicated and experienced Certified Clinical Trial Coordinator team
- Established experience with IRBs (patient samples) and non-IRB studies (questionnaires)
- Extensive dermatology and cosmetic endpoints for facial enhancement and contouring
 - Changes in wrinkles and skin tightening
 - Skin pigmentation and sun damage
 - Fat loss and contouring
 - Changes in skin pores (size, number)
 - Moisturizing and barrier repair
 - Changes in sebum
 - Changes in dermis and skin quality measures
 - Hair restoration and rejuvenation
 - Disease improvement

Speed PLUS Rigor — Not One or the Other

Our integrated systems and expert team accelerate study timelines while maintaining scientific integrity and regulatory alignment.

DIVERSE STUDY EXPERIENCE

- Oral, injectable, topical, and device-based studies
- Exposure to various testing methods including:
 - Transepidermal water loss (TEWL)
 - Sebum meter
 - Photography (2D/3D)
 - Histology and histopathology
 - Tape stripping (bioanalysis, biomarkers)

Let's Make Your Cosmetic Claims Credible

Contact MedPharm today to learn more

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