



PKDERM
INNOVATIVE SOLUTIONS

Founded in 2018, PKDERM relies on the expertise of over 20 years of its founder, Dr. Hanan Osman-Ponchet. As a former leader in drug development for large pharmaceutical companies, PKDERM's CEO has developed and tested many alternatives to animal experiment models allowing a reliable and secure evolution from *in vivo* experimentation to *in vitro* experimentation.

PKDERM provides smart innovative solutions for *in vitro* efficacy and safety testing of products likely to come into contact with the skin.

PKDERM is your trusted partner!

EXPERTISE & SERVICES IN IN VITRO EFFICACY AND SAFETY TESTING

Efficacy testing

Dermal absorption, Intestinal absorption
Anti-fibrotic activity, Anti-inflammation activity
Antioxidant activity, Anti-pollution activity
Skin ageing, Skin Pigmentation
Wound Healing

Safety testing

Dermal absorption
Irritation (skin and eye)
Phototoxicity & Cytotoxicity
Sensitization (partnership with SenzaGen)
Endocrine disruptors (partnership with Watchfrog)
Genetic toxicology (partnership with GenEvolutionN)
In vitro metabolism and Drug transporters
Drug-drug interactions

BIOLOGICAL MODELS

Excised human skin
3D and 2D human skin models
2D and 3D human hepatocytes
2D and 3D human lung models (PCLS)
2D and 3D human gut models (Caco-2 cells)
Subcellular fractions (microsomes, S9)

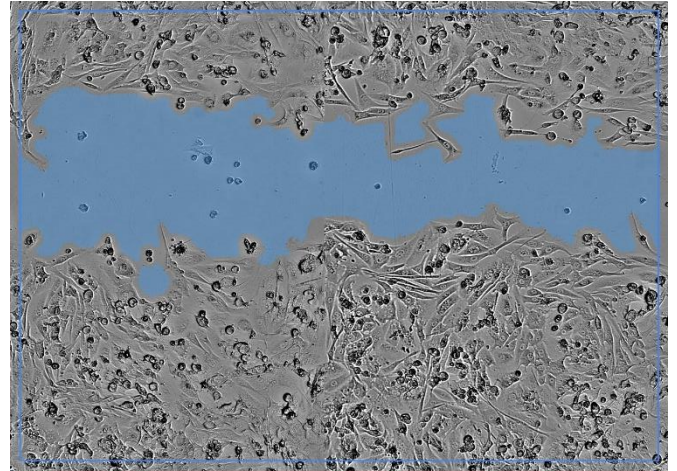




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AVAILABLE METHODS FOR EFFICACY AND SAFETY

Cell and tissue culture
Transcriptomic analysis (RT-qPCR)
ELISA
Histology (IF, IHC)
Bioanalysis (HPLC-DAD, Fluorescence, MS)
Fluorescent microscopy
Live-cell imaging
Innovative assays and method development



CLIENTS & PARTNERS

With over 20 years of experience working with dermatological, pharma and academic communities, PKDERM wants to support its customers in the area of **dermatology, cosmetics, pharmaceuticals, chemicals, agro/petrochemicals, and medical devices.**

We offer:

Smart solutions with expert execution
Coordinated decision-making
High level of quality and flexibility, and
Transparent sharing of information

PKDERM can also offers comprehensive **consultancy support** and **practical training.**



CONTACT US

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