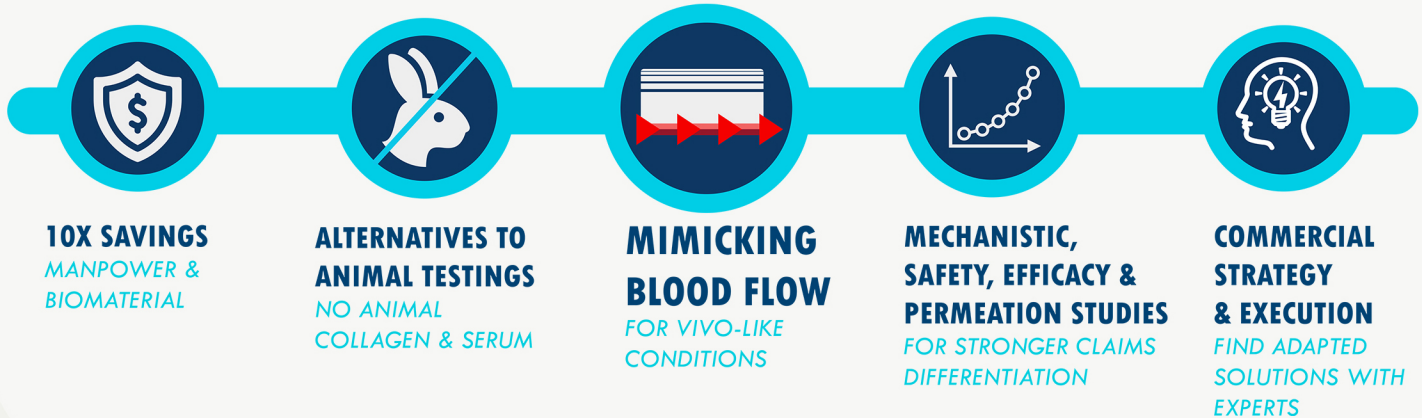




# NEXT GENERATION 4D HUMAN TISSUE

## AUTOMATED ORGAN-ON-CHIP TECHNOLOGY



Skin Aging

Wound healing

Efficacy Study /  
Mode-of-action

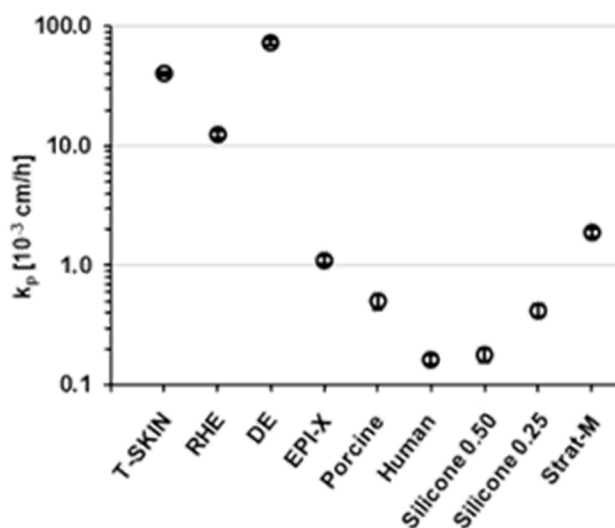
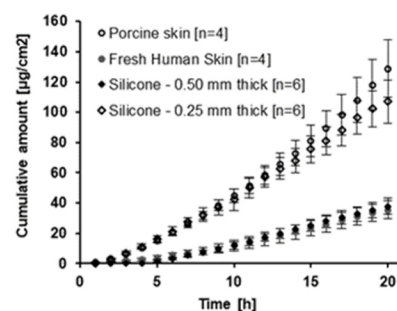
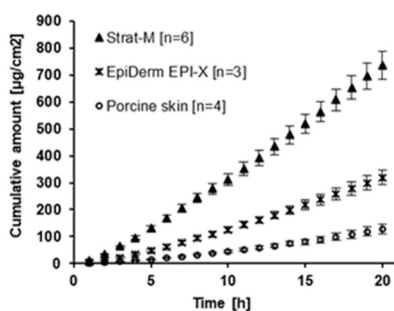
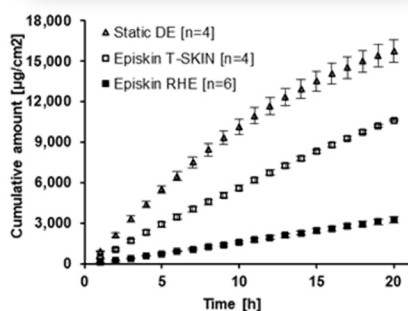
Permeation

Transdermal/Oral  
Delivery

In Vitro Release  
Testing

Irritation  
Toxicity

Permeation



## > Model

Automated permeation assays can be conducted using skin equivalents, real human skin explants and synthetic membranes. Infinite or finite dose can be used.

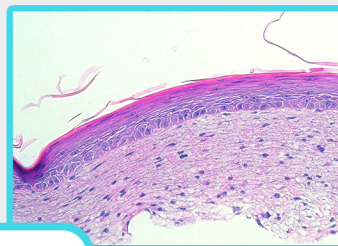
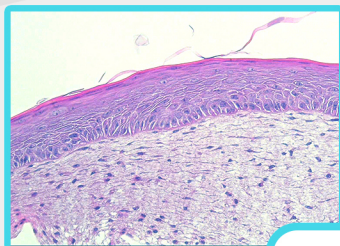
## > Model

Our company's non-oxidative stress ageing method uses a perfusing model to simulate tissue ageing and explore treatments to protect skin cell proliferation and stemness.

Control

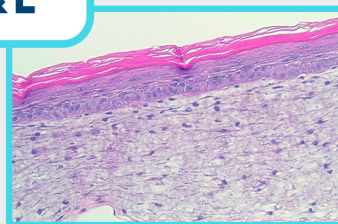
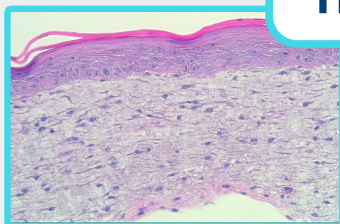
Chronological  
Ageing Stimulator

Microfluidic  
culture

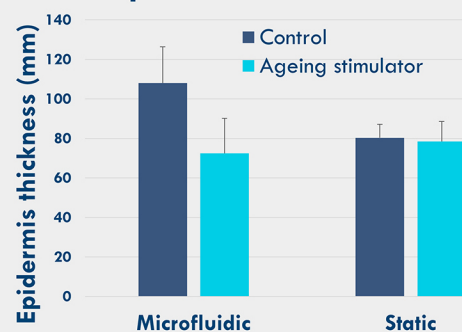


H&E

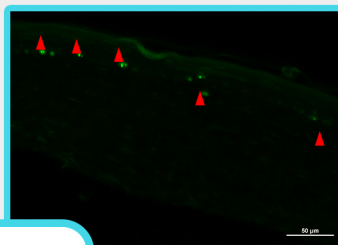
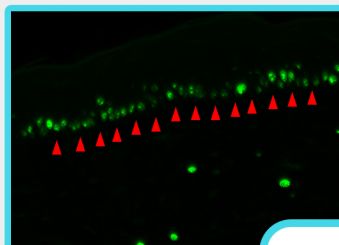
Static  
culture



### Epidermis thickness

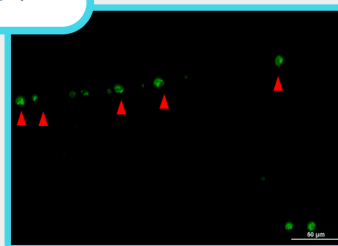
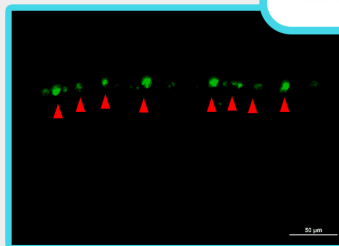


Microfluidic  
culture

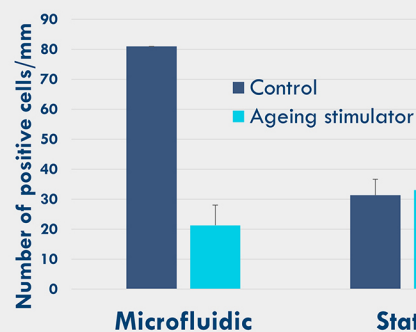


Ki67

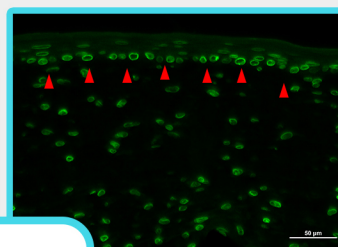
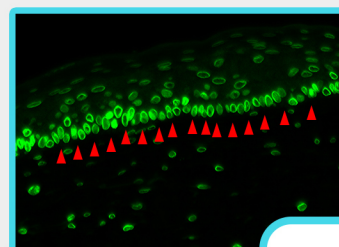
Static  
culture



### Ki67

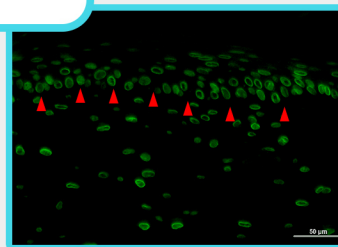
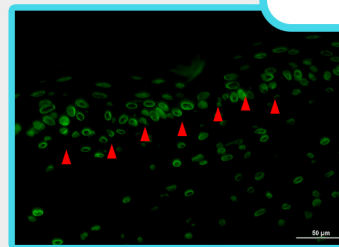


Microfluidic  
culture

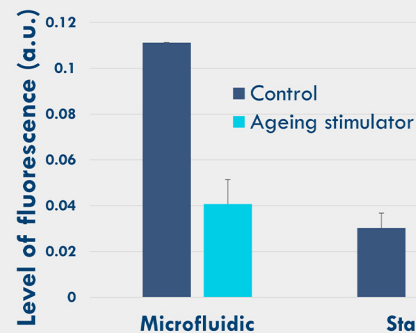


LamB1

Static  
culture



### Lamin B1

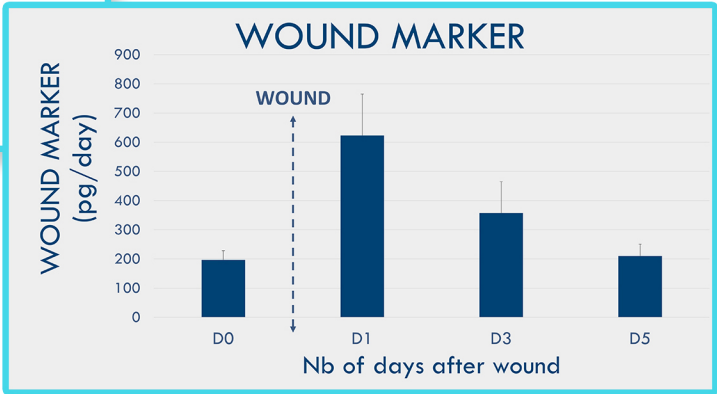
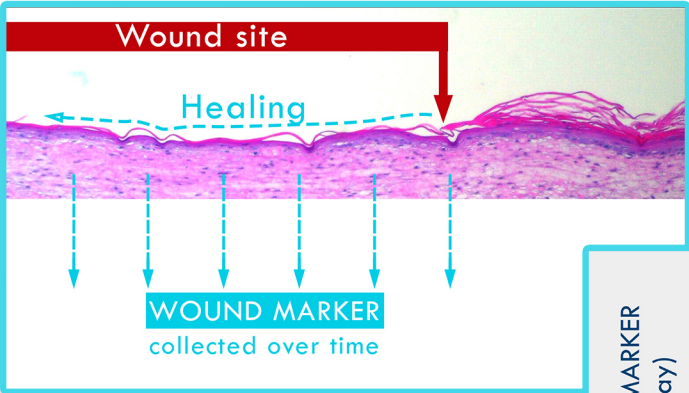
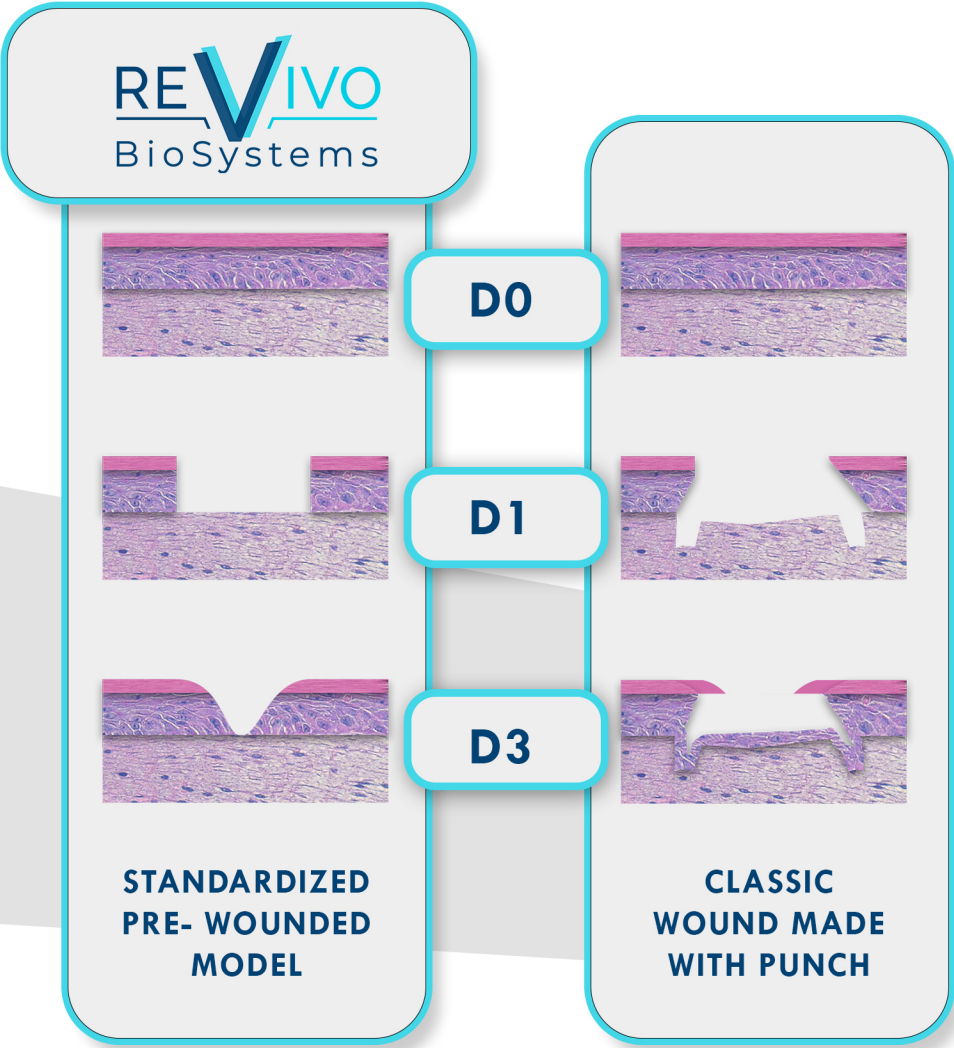




Standardized  
pre-wounded  
skin model

> **Advantage**

Our standardized pre-wounded skin model allows you to determine whether a treatment accelerates healing by monitoring a marker that is secreted by the skin when its barrier function is compromised.





## PRODUCTS

Miniature, credit card size  
Compatible with human explants &  
commercial reconstructed substitutes

Mimics blood flow

### ReleGO™ Automated Fraction Collector

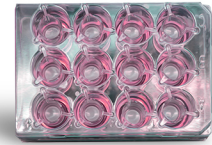


### REVex™

x4



12 reconstructed tissues  
from human cells  
(any pre-existing  
validated model)



OR



12 Human biopsies

Plug-and-play

Fully  
automated

Versatile

High  
throughput

- ReleGO™ testing system mimics the function of the **blood flow** and recreates *in vivo*-like conditions
- Run **safety**, **permeation** and **efficacy** studies.
- Up to 12 **biopsies**, **synthetic membranes** or **3D organotypic cultures** can be loaded in REVex™ chips and run simultaneously
- ReleGO™ is an **fully automated fraction collector** with **customised timepoints**, **flow rates** and **temperature control**
- Skin-on-chip devices are mounted on ReleGO™ and the eluates **collected in 96-well plates**

## YOUR STRATEGIC PARTNER



## DARE-TO-ACT

### COMMERCIAL STRATEGY

We provide expert consultation for optimal testing setup, execution, and assessment strategies, ensuring successful claims differentiation.

### PROJECT EXECUTION

Efficient mechanistic, safety & efficacy studies on ingredients & formulations using our versatile organ-on-a-chip platform and 4D tissue

### COMMERCIAL EXECUTION

We advise clients on translating unique support data into successful claims, regulatory paths, and differentiated commercial plans.

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