

## The Human Adipose Tissue Expert

More than a CRO, DIVA Expertise is a research partner that allows you to go as far as possible in your innovations by using the potential of human adipose tissue. We provide you with unique end-to-end services, from cell to humans researching, and support from our team at each stage to identify the best candidates and biomarkers for the mechanisms of action of your actives and products.

Our ethical and biomimetic science is based on original multi-dimensional models using human cells and tissues and integrating cellular and microenvironment interactions.

 **DOWNLOAD**

Our presentation and models



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**DIVA**  
EXPERTISE

## Your Research Partner For Deep Innovation On Human Adipose Tissue



Obesity, Metabolic disorders, Skin disease, ...



Slimming, Beauty, Immunity, ...



Body Care, Skin & Hair Care, ...



Injectables, Body Contouring, ...

# Researching from the Cell to Humans



## Biobanking

Human adipose and skin cells from more than 200 donors



## Efficacy and screening studies

on innovative and biomimetic models



## R&D support

Customized models and personalized research



## Analysis platform

Characterization of adipose samples collected on subjects participating in clinical trials



## Clinical studies

in partnership with clinical partners



## Scientific Consultancy

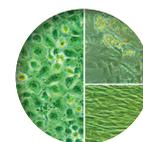
## DIVA Biobanking

A diversified, pre-qualified and pre-characterized biobank :

- **Frozen human cells** : Preadipocytes, fibroblasts, keratinocytes, endothelial cells, stem cells
- **Adipose and skin tissues** : fixed and frozen samples, RNA and protein extracts
- **Tissue and cell - conditioned media** : from human adipose tissue and cells, from human macrophages
- **Fresh human adipose and skin cells and explants** : on request

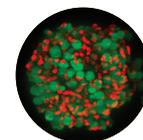
## DIVA Models

**Development :** differentiation, beigeing, proliferation, vascularization...  
**Metabolism :** lipolysis, endocrine function, bioenergetics, insulin sensitivity...  
**Alterations :** inflammation, fibrosis, oxidative stress, senescence...



### 2D Cell cultures

- Preadipocytes
- Macrophages
- Fibroblasts
- Keratinocytes
- Endothelial cells



### 3D Cell cultures

- DIVA Spheres™: Preadipocyte spheroids
- DIVA Caps™ : Mature adipocyte capsules

### Cell Co-cultures

- DIVA Skin Caps :
- Co-culture of adipocytes and fibroblasts
  - Co-culture with endothelial, muscle or intestinal cells



### Tissue cultures

- Complete explant of adipose tissue
- DIVA Skin™ : 3 layer-explant of skin
- DIVA Gut : biphasic culture system of intestinal and adipose explants