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

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, ...

DIVA
EXPERTISE

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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

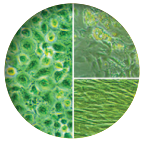
➜ **Fresh human adipose and skin cells and explants :** on request

DIVA Models

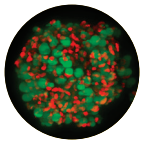
Development :
differentiation, beigeing, proliferation, vascularization...

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 SkinTM : 3 layer-explant of skin
- DIVA Gut : biphasic culture system of intestinal and adipose explants