



Your Source for Skin-derived Model Systems and Services

Consumers today can choose from a wide range of topical agents that can be applied to the skin for various purposes including anti-aging, skin hydration, wound healing, skin infection and inflammation, UV protection and cosmetic improvements.

The advent of complex personal care products requires relevant systems to understand the disposition and effect of the topical applications on normal and disease-affected skin. BioreclamationIVT is a leader in providing *in vitro* assay services and tissue-derived models for toxicity, skin disease and other personal care R&D research.

Skin-derived Matrices for Safety, Toxicity and Efficacy Testing

Skin Tissue

- Adipose aspirate
- Full thickness
- Matched set (skin tissue, blood & adipose tissue)

Diseased Skin Punch Biopsies

- Acne
- Atopic dermatitis
- Eczema
- Psoriasis
- Vitiligo
- Normal

Cellular

Primary Cells

- Adipocytes
- Fibroblasts
- Keratinocytes
- Melanocytes

Subcellular

- Microsomes, S9 & Cytosol
- Skin homogenate

Human & Animal Species

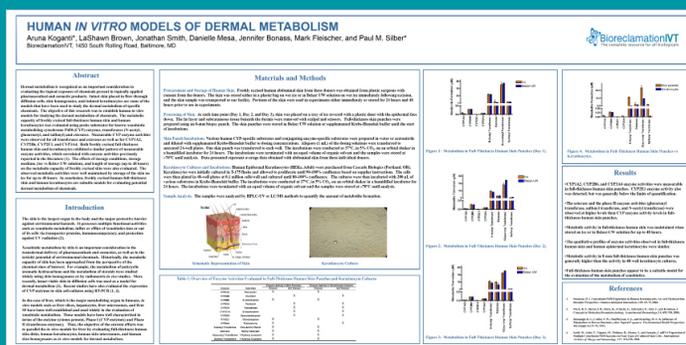
- Bovine
- Canine
- Pig/Mini-pig
- Rodent (mouse/rat)
- Sheep
- Human

Custom Processing

- Dermatomed skin (100-800 μM)
- Dissected hair follicles
- FFPE blocks/slides
- Separation of skin layers (epidermis, dermis, hypodermis)
- Skin discs prepped for permeability & absorption studies (2-10 mm diameter)
- RNA/DNA extraction

Products in Action!

Check out our posters at bioreclamationIVT.com/posters



Clinical Skin Specimens to Accelerate Discovery

Skin Type	Live Donor	Cadaver Donor
Abdominal	✓	✓
Back	✓	✓
Brachioplasty	✓	—
Breast lift	✓	—
Face lift	✓	—
Feet	✓	✓
Foreskin	✓	—
Palm	—	✓
Thigh	—	✓
Scalp	—	✓
Skin punches	✓	✓

Demographics	Skin Tissue & Punch Biopsies
Age, Race & Gender	✓
Serology*	✓
Medical History	✓
Social History	✓

*Live Tissue Serology: HIV-1, HIV-2, HBV, HCV, CMV, RPR.
Cadaver Serology: HIV-1, HIV-2, HBV, HCV

The importance of human skin as a model for *in vitro* testing for cosmetic and medical therapies has increased in recent years. BioreclamationIVT delivers diverse human skin products from a variety of patient populations. Based on your needs, tissue and its derivatives are sourced from either live donors or cadaveric donors. As always, we can create a custom collection program to suit your research requirements.

Diseased Skin Punch Biopsies

- Collected under IRB-approved protocols
- Up to four punches per donor
- Ability to collect lesion and non-lesion tissue samples from one individual
- Additional matrices can be collected including plasma, serum, PBMCs, etc.
- Multiple formats available: fresh, frozen, skin derivatives (e.g. DNA/RNA), FFPE & fixed specimens

Don't See What You're Looking for?

Contact our customer service team with any product-related or custom request inquiries.

A Trusted Provider for Dermal Research Solutions

We work with a variety of primary skin-derived cell types. Our expertise in cell culture allows us to produce high-quality, relevant data from even the most challenging cell models.

Assay services included:

- Cell toxicity
- Mitochondrial dysfunction (ATP, MTT)
- Oxidative stress (ROS, RNS, Super Oxide)
- DNA damage (PARP assay)
- Customized gene expression studies

...and more !



Find out what others in the industry already know.

We accelerate your project by designing a cost-effective program to meet your research needs.

For Inquiries: **North America**
T +1 516 483 1196 F +1 516 483 4683 E customerservice@bioreclamationivt.com
Europe
T +32 2 808 8278 F +32 2 706 5017 E customerservice@bioreclamationivt.com

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