

# Cell Assay and Biospecimen Characterization Services

## Translating Scientific Approaches into Practical Solutions

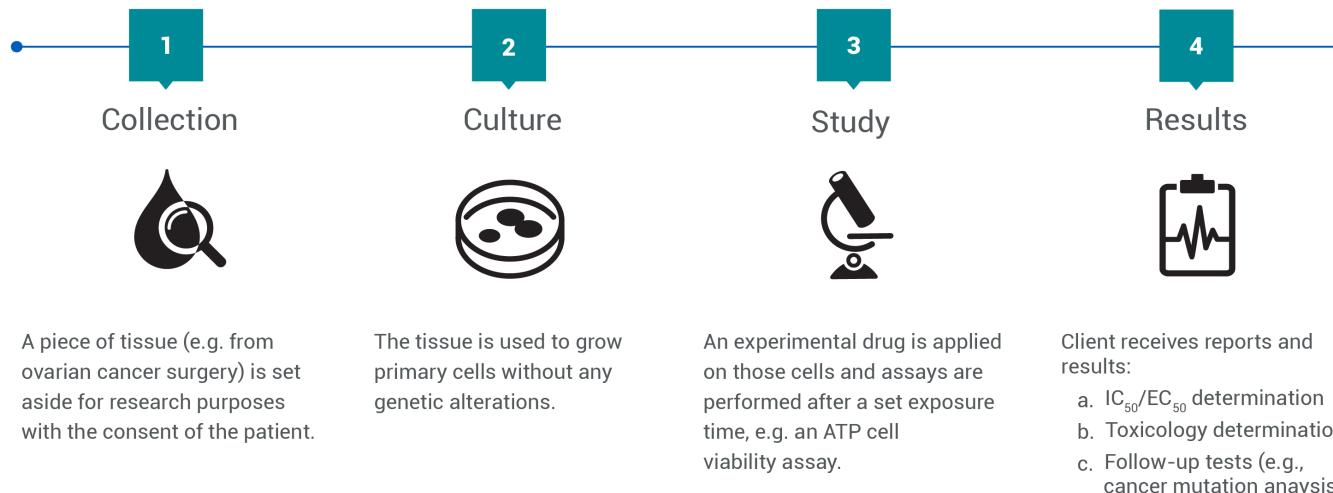
Address your specific research needs with the scientific expertise of our team, across a broad range of laboratory and analytical capabilities. We help you save on infrastructure, time and costs by outsourcing your pre-clinical drug development.

We offer primary cell-based assay services for drug development which constitute the most accurate disease modeling and surpass cell lines, 3D organ culture, and animal models. The assays cover many conditions, e.g., oncological, cardiovascular, metabolic, autoimmune, degenerative, genetic, aging-related etc... and can be tailored to answer your specific concerns.

- Cell toxicity (ATP, MTT)
- Drug candidate efficacy testing
- Mitochondrial dysfunction
- Oxidative stress (ROS, RN, SO)
- IC<sub>50</sub>/EC<sub>50</sub> determination
- DNA damage (PARP assay)

## Have a Question? Let Us Design the Solution.

*We work with clients to address their challenging scientific questions, developing research workflows that deliver relevant and actionable data.*



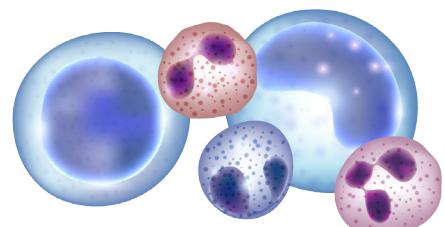
Our expertise in cell culture allows us to produce data from even the most challenging cell types.

#### Tissue Derived

- Adipocytes
- Astrocytes
- Endothelial cell
- Enterocytes
- Epithelial cells
- Fibroblasts
- Hepatocytes
- Osteoblasts
- Renal cells
- Skeletal muscle cells
- Skeletal myocytes
- Smooth muscle cells
- Splenocytes

#### Blood Derived

- PBMCs
- Bone marrow stem cells
- Cord blood stem cells
- Lymphocytes (T cells, B cells)
- Monocytes



## Clinical Lab Tests and Services

Along with our biospecimens, we also provide a wide range of testing services from standard clinical assays to highly specialized histological and molecular analyses.

#### Clinical Lab Testing

- |           |             |                     |   |
|-----------|-------------|---------------------|---|
| - Albumin | - CBC       | - PSA value         | - Lipid profile (cholesterol and triglycerides) |
| - CA 125  | - pH        | - Rheumatoid factor | - Infectious agents: CMV/HIV/HBV/HCV            |
| - CA 19-9 | - HCG value | - Total protein     |   |

#### Histology Services

- |                             |                             |                              |
|-----------------------------|-----------------------------|------------------------------|
| - Tissue sectioning         | - OCT embedding             | - Immunohistochemistry (IHC) |
| - Custom tissue microarrays | - Frozen slides and curls   | - Immunofluorescence         |
| - FFPE slides & curls       | - H&E stained and unstained |                              |

#### Proteomic and Molecular Services

- |                                 |   |                                      |
|---------------------------------|---|--------------------------------------|
| - HLA-typing                    | - Protein extraction/lysates                          | - Gene analysis: NGS, PCR and RT-PCR |
| - Pluripotency marker profiling | - Nucleic acid extraction: DNA, cDNA, total RNA, mRNA | - Custom protocols by request        |
| - DNA/RNA FISH, Karotyping      |   |                                      |

→ These lists are not all-inclusive. Please contact us if your study requires other services.

## About BioreclamationIVT

BioreclamationIVT is a worldwide provider of biological and in vitro products that specialize in control and disease state matrices manufactured from human and animal whole blood, plasma, serum, tissues and other fluids which are used in drug discovery, compound development, clinical and research diagnostics. We work with you to customize the collection of biological matrices to meet your requirements. Our family of products is unified by one goal: to provide researchers with the best tools for making a difference in people's lives.

To learn more about our services  
visit us online to view our library of  
case studies!

[bioreclamationivt.com/casestudies](http://bioreclamationivt.com/casestudies)

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The complete resource for all biologicals