

# Normal Human & Animal Biological Matrices

**BioreclamationIVT is the worldwide leader of biological products to life science and pharmaceutical companies.**

**We are committed to providing the highest quality human and animal biological matrices and processing services, as well as excellent customer support.**

- Customization of all products available
- Knowledgeable and attentive customer service team available between 8:00 AM - 8:00 PM EST
- Products delivered in a timely matter, ready for use
- Unconditional product guarantee
- Saturday shipments available
- Same day collection and shipment of time sensitive blood samples, tissues and PBMCs
- Wide variety of biological products available (refer to the reverse for an extensive list of our product offerings)

## Customization

Normal human and animal matrices are collected at facilities located in the United States, using BioreclamationIVT Standard Operating Procedures. This allows us to customize every order according to your exact specifications, while maintaining the highest level of product quality.

### Lot Specifications

BioreclamationIVT can provide matrices from individual donors or animals, multiple pooled lots or large pools. The number of individuals in each pool can also be specified.

### Aliquoting

BioreclamationIVT can aliquot all matrices into any volume or vial size.

### Filtration

A standard 0.2u filtration is offered for all products. Additional membrane sizes are also available.

### Anticoagulants/Vacutainers

Both blood and plasma samples can be collected with the anticoagulant of your choice and the use of specific vacutainers can be requested.

### Gender

BioreclamationIVT can provide gender specific samples from both normal human donors as well as all animal species.

### Processing/Labeling

Customized processing at the time of collection is available. Barcoded labels can also be customized and include client provided ID numbers.

### Validation and Reserve Lots

BioreclamationIVT can provide representative samples from pools or individual donors while holding additional volume on reserve.

### Matched Sets

BioreclamationIVT can collect multiple matrices or anticoagulant types from a single donor or animal.

### Longitudinal Studies and Reserve Animals

BioreclamationIVT can collect samples from the same donor or animal at multiple timepoints. Animals can be reserved for extended use for specific studies.

### Charcoal Stripping

Material can be charcoal stripped to remove hormones, steroids and other analytes. Heavy and custom processes are also available.

### Hemolysis Controls

Controls can be prepared at different levels of hemolysis and hemoglobin concentrations.

### Lipemia Controls

Controls of both visually lipemic material, as well as specific lipid values, can be provided.

### PBMC Isolations

Mononuclear cells can be isolated from blood samples and shipped fresh, cryopreserved or frozen as pellet.

### Tissue Homogenization

Tissues can be homogenized in your choice of media and desired concentration.

### Ultrafiltration

Low molecular weight filters can be used to remove proteins and other analytes. Specific MWCOs can be specified.

### Complement Preserved

### Defibrination

### Delipidation

### Dialyzed

### Heat Inactivation

### IgG Stripping

### Platelet Concentration

### Platelet Removal

## Matrices\*

- Serum
- Plasma
- Whole blood
- PBMCs
- Red Blood Cells
- Platelets
- Tissues
- Amniotic Fluid
- Aqueous Humor
- Bile
- Bone Marrow
- Breast Milk
- Bronchial Lavage
- Cerebrospinal Fluid
- Feces
- Gastric Fluid
- Hair
- Nasal Swabs
- Nasal Wash
- Saliva
- Semen
- Sputum
- Synovial Fluid (lavage)
- Tears
- Throat Swabs
- Urine
- Vaginal Fluid
- Vitreous Humor

## Specialty Products & Tissues\*

### Reproductive Samples

#### Maternal and Fetal

- Serum
- Plasma
- Whole Blood
- Amniotic Fluid
- Breast Milk
- Tissues & Homogenate

### Tissues and Homogenate

#### Tissue Types

- Brain
- Colon
- Heart
- Intestine
- Kidneys
- Liver
- Lungs
- Spleen

#### Ocular Dissections

- Aqueous Humor
- Choroid
- Cornea
- Iris Ciliary Body
- Lens
- Retina
- Sclera
- Vitreous Humor

## Animal Species\*

BioreclamationIVT can purchase and transfer any strain of rats, mice and other commercially available species to our facility to collect any biological matrices.

### Rat

- Sprague Dawley
- Wistar Hannover
- Fischer 344
- Lewis
- Long Evans

### Mouse

- CD-1
- BALB/c
- C57BL/6
- ICR
- Swiss Webster

### Guinea Pig

- Hartley

### Hamster

- Golden Syrian

### Ferret

- Sable

### Gerbil

- Mongolian

### Canine

- Beagle
- Mongrel

### Feline

- Domestic Short Hair

### Mini-Pig

- Gottingen
- Hanford
- Sinclair
- Yucatan

### Primates

- Cynomolgus Monkey
- Rhesus Monkey
- African Green Monkey
- Baboon
- Cebus
- Chimpanzee
- Marmoset
- Squirrel Monkey

### Rabbit

- New Zealand White
- Dutch Belted

### Livestock

- Bovine
- Chicken
- Goat
- Horse
- Pig
- Sheep
- Turkey

### Additional Species

- Alligator
- Chinchilla
- Duck
- Deer
- Donkey
- Frog
- Goose
- Opossum
- Parakeet
- Salmon
- Trout
- Woodchuck
- Zebra Finch

\*These lists are not all-inclusive. Please contact us if your study requires other sample types.

## Normal Human Donor Sample Collections

All samples are collected from consented donors under IRB approved protocols at our FDA licensed donor center.

BioreclamationIVT can collect samples that meet your study requirements. Inclusion and/or exclusion criteria can be specified such as: age, gender, height, weight, ethnicity, smoking status, etc. Specific questions can also be added to the case report form for further screening.

BioreclamationIVT provides viral negative normal human samples as noted on the Certificate of Analysis included with each shipment. Samples are tested in accordance with FDA regulations and found negative for HBsAg, HIV 1/2 Ab, HCV Ab, HIV-1 RNA, HCV RNA and STS.

## Clinical & Patient Sample Collections

BioreclamationIVT offers high quality consented clinical research samples from our network of IRB approved collection sites. Samples can be prospectively collected or selected from our existing clinical sample bank.

## Hepatocytes & Subcellular Fractions

BioreclamationIVT is the premier provider of hepatocytes, microsomes and other cellular products used for in vitro ADME-Tox research to help speed product development for pharmaceutical and biotechnology companies. We manufacture the highest quality fresh and cryopreserved products with large lot sizes to ensure consistent results.

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