

## Normal Human & Animal Biological Matrices

Seralab is the European distribution arm of the BioreclamationIVT supplying Human and animal biological material biological material to the life science and pharmaceutical industries.

The BioreclamationIVT group is committed to providing a fast, friendly and efficient service with a focus on quality and excellent customer service.

- Customisation of all products available
- Knowledgeable and attentive customer service team available in the UK between 08:00 AM and 18:00 PM
- Products delivered in a timely matter, ready for use
- Unconditional product guarantee
- 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)

## Customisation

Normal human and animal matrices are collected at facilities located in the United States and United Kingdom, 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

Seralab 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

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

### Filtration

A standard 0.2 micron 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

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

### Processing/Labeling

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

### Validation and Reserve Lots

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

### Matched Sets

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

### Longitudinal Studies and Reserve Animals

Seralab 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.

### Haemolysis Controls

Controls can be prepared at different levels of haemolysis and haemoglobin concentrations.

### Lipaemia Controls

Control material of both visually lipaemic 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 Homogenisation

Tissues can be homogenised 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

### Dialysed

### Heat Inactivation

### IgG Stripping

### Platelet Concentration

### Platelet Removal

## Matrices\*

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

## Specialty Products & Tissues\*

### Reproductive Samples

#### Maternal and Foetal

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

### Tissues and Homogenate

#### Tissue Types

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

#### Ocular Dissections

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

## Animal Species\*

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

<b>Rat</b> <ul style="list-style-type: none"><li>- Sprague Dawley</li><li>- Wistar Hannover</li><li>- Fischer 344</li><li>- Lewis</li><li>- Long Evans</li></ul>	<b>Hamster</b> <ul style="list-style-type: none"><li>- Golden Syrian</li></ul>	<b>Mini-Pig</b> <ul style="list-style-type: none"><li>- Gottingen</li><li>- Hanford</li><li>- Sinclair</li><li>- Yucatan</li></ul>	<b>Rabbit</b> <ul style="list-style-type: none"><li>- New Zealand White</li><li>- Dutch Belted</li></ul>	<b>Additional Species</b> <ul style="list-style-type: none"><li>- Alligator</li><li>- Chinchilla</li><li>- Duck</li><li>- Deer</li><li>- Donkey</li><li>- Frog</li><li>- Goose</li><li>- Opossum</li><li>- Parakeet</li><li>- Salmon</li><li>- Trout</li><li>- Woodchuck</li><li>- Zebra Finch</li></ul>
<b>Mouse</b> <ul style="list-style-type: none"><li>- CD-1</li><li>- BALB/c</li><li>- C57BL/6</li><li>- ICR</li><li>- Swiss Webster</li></ul>	<b>Ferret</b> <ul style="list-style-type: none"><li>- Sable</li></ul>	<b>Primates</b> <ul style="list-style-type: none"><li>- Cynomolgus Monkey</li><li>- Rhesus Monkey</li><li>- African Green Monkey</li><li>- Baboon</li><li>- Cebus</li><li>- Chimpanzee</li><li>- Marmoset</li><li>- Squirrel Monkey</li></ul>	<b>Livestock</b> <ul style="list-style-type: none"><li>- Bovine</li><li>- Chicken</li><li>- Goat</li><li>- Horse</li><li>- Pig</li><li>- Sheep</li><li>- Turkey</li></ul>	
<b>Guinea Pig</b> <ul style="list-style-type: none"><li>- Hartley</li></ul>	<b>Gerbil</b> <ul style="list-style-type: none"><li>- Mongolian</li></ul>			
	<b>Canine</b> <ul style="list-style-type: none"><li>- Beagle</li><li>- Mongrel</li></ul>			
	<b>Feline</b> <ul style="list-style-type: none"><li>- Domestic Short Hair</li></ul>			

\*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 centre.

Seralab offers samples specific to individual 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.

Seralab 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

Seralab offers an extensive range of high quality clinical samples, collected from appropriately consented donors, through our network of IRB approved collection facilities. Samples are available either from our existing clinical sample bank or as prospective collections.

## Hepatocytes & Subcellular Fractions

Seralab is the premier provider of hepatocytes, microsomes and other cellular products used for *in vitro* ADME-Tox research. High quality fresh and cryopreserved products are manufactured in large batch sizes to ensure consistent results.

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