

#### **Donors**

#### Normal Human

We offer a wide range of human biological matrices. Our samples are not only readily available, but customized to your specifications.

- Repeat donors
- Viral tested
- Obtained from FDA licensed
- Customizable anticoagulants

#### Disease State Human

With over 200 IRB-approved sites around the world we provide sourced material to meet and exceed your expectations.

- Samples across many disease indications
- Sourced from clinical sites
- Ethical and regulatory traceability for each case

#### Animal

solated using optimized orotocols across multiple species, including:

- Beagle
- Guinea Pig
- Non-human Pri<u>mate</u>
- Rabbit
- Rat and more

### **Quality Control**

Post-thaw QC for inventory samples includes:

- Viability over 70%
- Purity over 85%
- Cell count

Donor demographics include:

- Age
- Sex
- Gender

#### • Disease state samples include full clinical history

### **Common Cell Characterizations**

- High resolution HLA typing to better understand disease positioning and compatibility for mixed lymphocyte reactions.
- Flow cytometry cell marker analysis analyze surface markers for clusters of differentiation and levels of expression
- Fc receptor genotyping for high/low affinity polymorphism for ADCC Assays

#### **Cell Product Formats**

- Fresh Refrigerated, viable cells, limited shelf life, suspended in media to maintain viability
- Frozen Non-viable cell pellet, used for molecular and protein studies
- **Cryopreserved** Stored in liquid nitrogen, long term shelf life, suspended in cryoprotectant, slow freezed to maintain viability, can be used for functional testing and in vitro assays

#### **Related Products and Services**

#### Reagents

Immunoglobulin Inhibiing Reagent targets against heterophilic antibodies to block their interference in immunoassays.

HAMA Plasma

Human Anti Mouse Antibody (HAMA) Plasma contains a higher than normal titer of the HAMA protein.

Rheumatoid factors are usually IgM antibodies presented in the serum of patients with Rheumatoid Arthritis.

#### **PHASEZERO® Speciality Research Services**



Cell-based Assays including Viability Assay, and Cellular Death Assays

Enzyme Activity Screening, Gene Expression Assays, and Cellular Proliferation Assays.

#### Check out our additional brochures on BioIVT.com!

BIQIVI







BIQIVT





IASEZERO® Research Services **Brochure** 



BioIVT.com



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## **Providing Specialized Products and Services to** Accelerate the Immunology Research Continuum





Quality

Rigorous quality control processes



#### Sourcing **Network**

Provides access to the donors you require



#### **Optimized Protocols**

Expertise in cell processing techniques



**PBMCs** 

from human and animal species.

Normal and disease state PBMCs

variety of anticoagulants

sample preparation

**Products** 

G-CSF

System

through leukapheresis collection.

Comprehensive portfolio of normal and disease

Mixed Lymphocyte and Monocyte Population

• Isolated from peripheral blood collected in a

faster-time-to-market as less time will be spent on

Contains higher concentrations of white blood cells

Normal and Mobilized LEUKOMAX™ Leukopak

• Best way to yield a high amount of leukocytes

Mobilized leukopaks provide a greater yield of

Quarter, half, and full packs available and

CD34+ cells due to stimulation of the donor via

collected utilizing the Spectra Optia Apheresis

**LEUKOMAX Apheresis** 

• Utilization of our cell products can yield a

state peripheral blood mononuclear cells (PBMCs)

#### Customized **Formats**

Ready to use, fit-forpurpose products

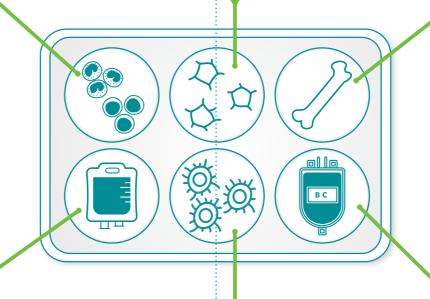
# Quality Products to Fast-Track Your R&D

# **Purified Cell Subsets**

Manufactured using optimized methods to ensure a high quality product with superior viability, purity and functionality.

#### T Cells, B Cells, NK Cells, Monocytes, and more

- Ability to specify preferred isolation method, positive or negative selection
- Isolated cell populations are ideal for researchers looking to perform functional cell-based assays and more



## Hematopoietic Stem Cells

Found in bone marrow, cord blood, and peripheral blood, stem cells can be isolated from human donors and a variety of animal species.

### CD34+ Hematopoietic Stem Cells isolated from a variety

- Separated from mononuclear cells via positive immunomagnetic separation
- Mobilized leukopak yields more CD34+ than any other blood draw
- Purity determined by flow cytometry and rigorous QC ensures consistent, reliable cell lots
- Also available Bone Marrow Mononuclear Cells (BMMCs) and Cord Blood Mononuclear Cells (CBMCs)

# **Dissociated Tumor Cells**

Single cell suspensions that are dissociated from a solid tumor using enzymes and mechanical dissociation.

#### Heterogenous Mixture of Cancer Cells and Tumor Infiltrating Lymphocytes (TILs)

- Variety of cohorts include Renal, Ovarian, Liver, Breast, Colon and Lung Cancer
- Provide the closest representation of the clinical scenario
- and PBMCs often available

# **Buffy Coat**

Processed from a whole unit of blood, buffy coat bags contain approximately 75-100 mL.

#### **Enriched White Blood Cells**

- Ability to customize the unit based on any donor requirements or protocol needs
- Collected from consented donors under IRB-approved protocols in use at our FDA licensed donor centers
- Viral and pathogen tested\*

\*All human products are viral and pathogen tested except for clinically collected material.

### Matched dissociated cells from normal adjacent tissue

Visit BioIVT.com to view our ready-to-ship inventory.