



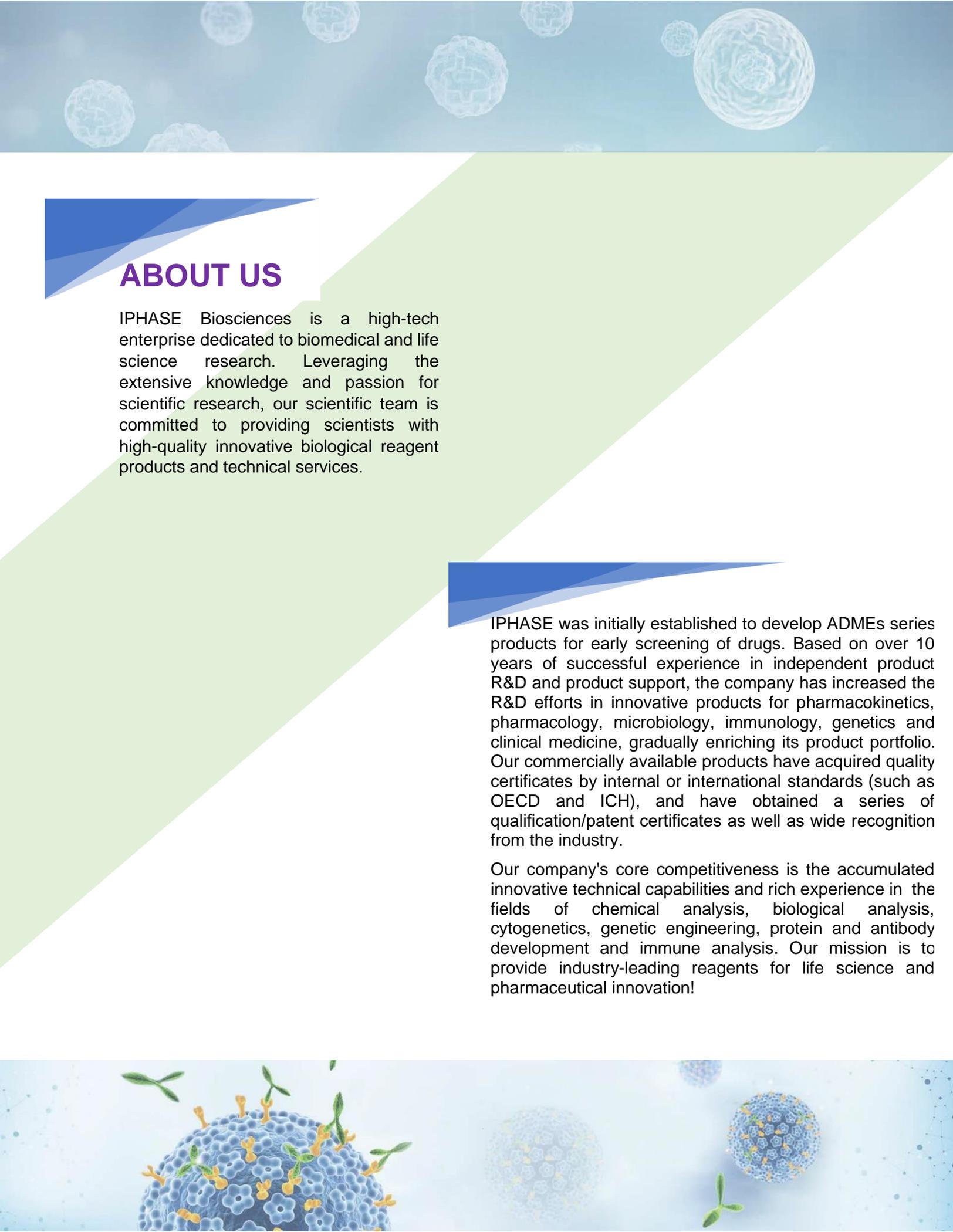
Innovative Reagents for Innovative Research

## Biological Tissue Product Brochure

- ✚ Provide reliable tissue products for biological sample analysis
- ✚ Provide exclusive products for early drug research and development
- ✚ Provide high-quality raw materials for immunology research

**IPHASE Biosciences**





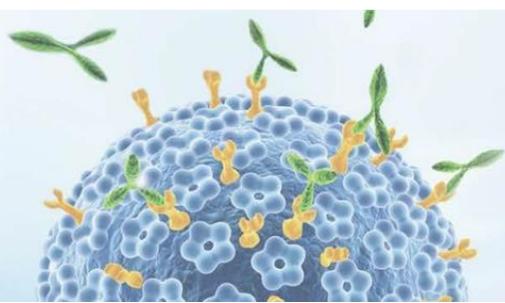
## ABOUT US

IPHASE Biosciences is a high-tech enterprise dedicated to biomedical and life science research. Leveraging the extensive knowledge and passion for scientific research, our scientific team is committed to providing scientists with high-quality innovative biological reagent products and technical services.



IPHASE was initially established to develop ADMEs series products for early screening of drugs. Based on over 10 years of successful experience in independent product R&D and product support, the company has increased the R&D efforts in innovative products for pharmacokinetics, pharmacology, microbiology, immunology, genetics and clinical medicine, gradually enriching its product portfolio. Our commercially available products have acquired quality certificates by internal or international standards (such as OECD and ICH), and have obtained a series of qualification/patent certificates as well as wide recognition from the industry.

Our company's core competitiveness is the accumulated innovative technical capabilities and rich experience in the fields of chemical analysis, biological analysis, cytogenetics, genetic engineering, protein and antibody development and immune analysis. Our mission is to provide industry-leading reagents for life science and pharmaceutical innovation!





## Corporate Philosophy

IPHASE Biosciences pursues the development concept of "innovative reagents for innovative research" and adheres to the corporate purpose of "honesty, rigor, pragmatism, and innovation". Being market-oriented, we strive to provide high-quality and technologically advanced products for domestic and foreign enterprises and research institutions, thus achieving the brand commitment of IPHASE.

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# Introduction

Our biological tissue samples are extracted from human organs of donors or healthy animals, such as heart, brain, liver, lung, spleen, and kidney etc. As a special class of product, biological tissues can be applied to and play different roles in various fields of research.

Our comprehensive range of tissues, tissue blocks, tissue sections, and tissue arrays is designed to cater to your diverse needs and fuel your groundbreaking discoveries.

## **Our Product Range:**

**Tissues:** Individually packaged high-quality tissues, meticulously collected and preserved to maintain biological integrity. Available in various sizes and disease states.

**Tissue Blocks:** Precisely sectioned tissue blocks, ideal for in-depth histological analysis and research. Each block is labeled for easy identification.

**Tissue Sections:** Thin, consistent tissue sections suitable for a wide range of applications, from immunohistochemistry to molecular analysis. Save time and ensure consistency in your experiments.

**Tissue Arrays:** Explore multiple samples on a single slide with our tissue arrays. Accelerate your research by simultaneously examining different tissues on a single slide.

# Biological Tissues for Biological Sample Analysis

## Product advantages

- High-quality. All products have been subjected to stringent quality control based on their properties and special application.
- Multiple species. IPHASE provides biological tissues from multiple species, including human, monkey, dog, rabbit, rat, and mouse etc.
- Multiple types. IPHASE offers various types of conventional biological tissues and sets to meet the different needs of bioanalysis.
- Safety. Animals from which the biological tissues are collected have been tested for infectious agents, making the products safe for use.
- Traceability. All products have a clear source, which meets the traceability requirements of various regulations and eliminates customer concerns.
- Customization. In addition to regular tissues samples, the company can provide customized tissue samples based on the customers' needs.

## ❖ Tissue Samples for Tissue Crossing Reaction

In the preclinical studies of antibody drugs, a comparison of in vitro cross-reactivity in tissues from different species is important in determining the most relevant animal for subsequent toxicology studies. Cross-reactivity of the antibody drugs with target tissues and non-target tissues are important to evaluate the efficacy and the potential toxic target organs.

In vitro cross-reactivity of the antibody or immunoconjugate in tissues should be determined with the quick-frozen tissues. IPHASE has developed a series of products including the freezing microtome section sets to assist scientists with this kind of research. IPHASE now offers various types of freezing microtome section sets from different species to support the needs of bioanalysis.

Description	Strain	Unit Size
IPHASE Human Frozen Tissue Sections	Homo Sapiens	10 slides
IPHASE Monkey Frozen Tissue Sections	Cynomolgus, Rhesus	10 slides
IPHASE Dog Frozen Tissue Sections	Beagle	10 slides
IPHASE Rabbit Frozen Tissue Sections	New Zealand White, Japanese White	10 slides
IPHASE Rat Frozen Tissue Sections	Sprague-Dawley, Wistar, Wistar-Han	10 slides
IPHASE Mouse Frozen Tissue Sections	ICR/CD-1, C57BL/6, KM, BALB/c	10 slides
IPHASE Minipig Frozen Tissue Sections	Bama	10 slides





## ❖ Tissue Samples for Immunohistochemistry

Immunohistochemistry is a widely used method for visualizing specific proteins or antigens within tissue sections. This is done by utilizing antibodies that bind to the target antigens, followed by detection methods that produce a visible signal, often based on enzymatic reactions.

IPHASE provides a series of products including the paraffin section sets to assist scientists with this kind of research. IPHASE now offers various types of paraffin section sets from different species to support the needs of bioanalysis.

Description	Strain	Unit Size
IPHASE Human Paraffin Tissue Sections	Homo Sapiens	10 slides
IPHASE Monkey Paraffin Tissue Sections	Cynomolgus, Rhesus	10 slides
IPHASE Dog Paraffin Tissue Sections	Beagle	10 slides
IPHASE Rabbit Paraffin Tissue Sections	New Zealand White, Japanese White	10 slides
IPHASE Rat Paraffin Tissue Sections	Sprague-Dawley, Wistar, Wistar-Han	10 slides
IPHASE Mouse Paraffin Tissue Sections	ICR/CD-1, C57BL/6, KM, BALB/c	10 slides
IPHASE Minipig Paraffin Tissue Sections	Bama	10 slides

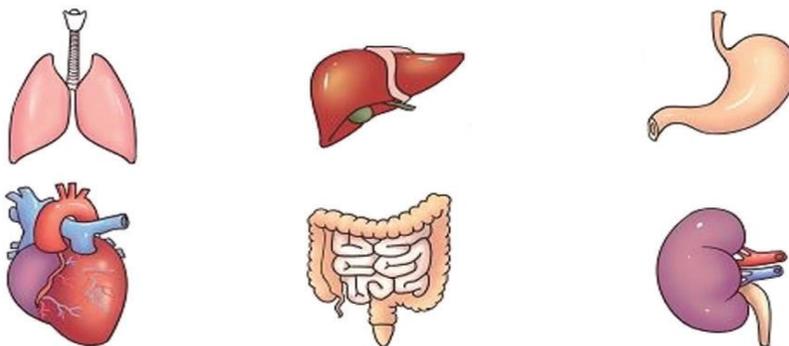


## ❖ Human Tissue Samples

According to the US FDA guidelines, the tissue cross-reactivity of large molecule drugs must be tested in 35 types of normal human tissues to assess the presence of potential drug binding sites in human tissues and to provide support for drug safety. Non-target tissue binding may have serious consequences, particularly when pharmacologically active antibodies or cytotoxic immunoconjugates are used. Accordingly, cross-reactivity studies with human tissues (or cells if applicable) should always be conducted prior to phase 1 to search for cross-reactions or non-target tissue binding.

In response to the needs of small and large molecule drug R&D and challenges, IPHASE currently offers tissue blocks, cryosections, and arrays of human tissues from the circulatory, respiratory, and CNS systems etc.

Description	Strain	Unit Size
IPHASE Human Heart Tissue Blocks	Homo Sapiens	1 block
IPHASE Human Heart Tissue Sections	Homo Sapiens	10 slides
IPHASE Human Heart Tissue Arrays	Homo Sapiens	1 array
IPHASE Human Lung Tissue Blocks	Homo Sapiens	1 block
IPHASE Human Lung Tissue Sections	Homo Sapiens	10 slides
IPHASE Human Lung Tissue Arrays	Homo Sapiens	1 array
IPHASE Human Brain Tissue Blocks	Homo Sapiens	1 block
IPHASE Human Brain Tissue Sections	Homo Sapiens	10 slides
IPHASE Human Brain Tissue Arrays	Homo Sapiens	1 array



## ❖ Animal Tissue Samples

Whether you're exploring biology research, drug development, or tissue-specific studies, our vast selection of animal tissues covers various organs and biological systems. IPHASE animal tissues are meticulously collected, processed, and preserved by experienced professionals, ensuring the highest quality standards for reliable and reproducible results.

Description	Strain	Unit Size
IPHASE Monkey Tissue Blocks	Cynomolgus, Rhesus	1 block
IPHASE Monkey Tissue Sections	Cynomolgus, Rhesus	10 slides
IPHASE Dog Frozen Tissue Blocks	Beagle	1 block
IPHASE Dog Frozen Tissue Sections	Beagle	10 slides
IPHASE Rabbit Frozen Tissue Blocks	New Zealand White, Japanese White	1 block
IPHASE Rabbit Frozen Tissue Sections	New Zealand White, Japanese White	10 slides
IPHASE Rat Frozen Tissue Blocks	Sprague-Dawley, Wistar, Wistar-Han	1 block
IPHASE Rat Frozen Tissue Sections	Sprague-Dawley, Wistar, Wistar-Han	10 slides
IPHASE Mouse Frozen Tissue Blocks	ICR/CD-1, C57BL/6, KM, BALB/c	1 block
IPHASE Mouse Frozen Tissue Sections	ICR/CD-1, C57BL/6, KM, BALB/c	10 slides
IPHASE Minipig Frozen Tissue Blocks	Bama	1 block
IPHASE Minipig Frozen Tissue Sections	Bama	10 slides



# Innovative Reagents for Innovative Research



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