

Product Display>>>



Fig 3. Ultra high density tissue microarray chip – 2600 cores



Fig 4. Colon cancer chip – 500 cores



Fig 5. Immunohistochemistry IHC cytoplasmic expression

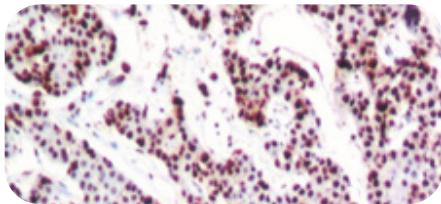


Fig 6. Immuno IHC nuclear positive staining

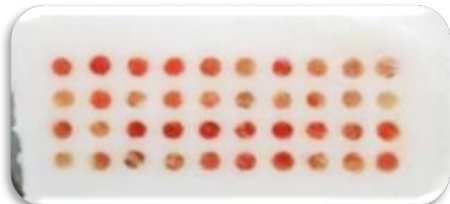


Fig 7. Frozen Tissue Microarray

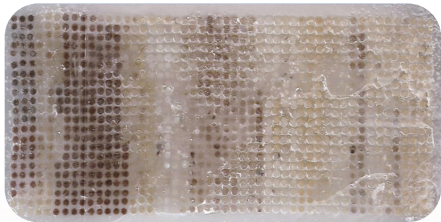


Fig 8. 1100 core TMA conventional slide specification

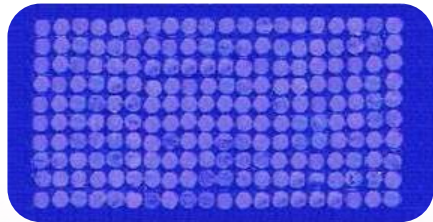
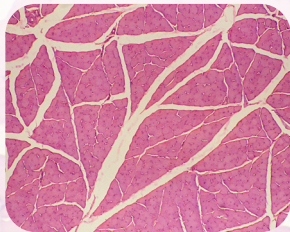
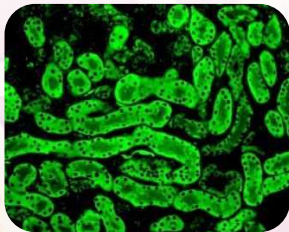
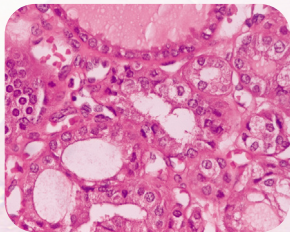


Fig 9. Tissue Microarrays (TMAs)



Product Advantages >>>

IPHASE commercial products possess irreplaceable advantages in meeting the requirements for cross- reactivity research of antibody products with the FDA.



IPHASE
Innovative Reagents for Innovative Research

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IPHASE



Comprehensive Approach to Tissue Cross Reactivity (TCR)

- Confirmation of binding between test antibody and epitope of drug's target tissue
- Examination of nonspecific binding between test antibody and antigen of non-target tissue
- Determination of relevant animal species for non-clinical safety testing
- Prediction of target organ toxicity

Importance of TCR research>>>

Monoclonal antibody (mAb) type drugs usually exhibit specific immune characteristic: if identical or similar antigenic determinants are both present on the normal human tissue, mAb may bind to non-target tissues or cells, resulting in serious adverse reaction. Tissue Cross-Reactivity (TCR) test refers to the *in vitro* detection of binding event between a monoclonal antibody or relevant antibody-type biological product and an epitope on a tissue. To this end, TCR is a critical measure for evaluating the preclinical safety of monoclonal antibody drugs, thus providing important reference when predicting and monitoring clinical drug toxicity.

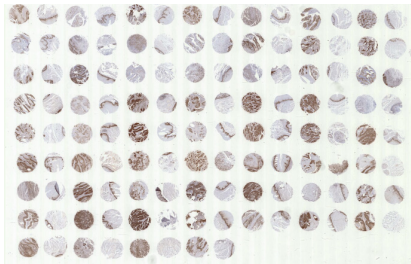


Fig 2. PCNA histochemistry-esophageal cancer and normal control tissue TMA

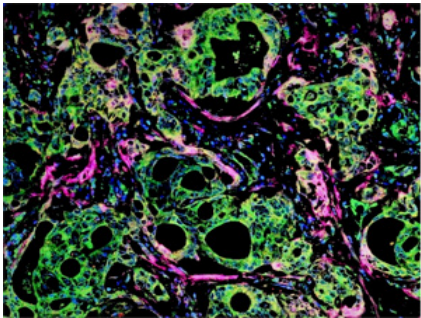


Fig 1. Multiple staining immunohistochemistry

Aligned with market needs, IPHASE can provide high-quality paraffin-embedded tissue, cryopreserved tissue, paraffin tissue microarray, frozen tissue microarray, and many other types of normal human tissue and animal tissue products, satisfying the FDA's requirements for cross-reactivity research on antibody product, and providing supporting data for the safety of antibody drugs.

Product Category>>>

Biological tissue plays an important role in tissue cross-reactivity test as a special product. Our biological tissue samples are obtained from organs of human donors or healthy animals, such as hearts, brains, livers, lungs, spleens, and kidneys.



Individually packaged high-quality tissue, meticulously collected and preserved to ensure biological integrity. Offered in diverse sizes and disease states.



Precisely cut tissue blocks, each piece labeled for ease of identification.



Thin, consistent tissue sections suitable for a wide range of application from immunohistochemistry to molecular analysis. This sections, offered in both paraffin and frozen formats, save time, ensure test consistency, and facilitate various analyses.



Using our tissue microarray, it is possible to investigate multiple samples on a single to save time and accelerate research. Available in both paraffin/frozen tissue microarray.

IPHASE Product>>

In order to meet the needs and challenges of small molecule and large molecule drug development, IPHASE can provide normal human and animal tissues compliant with FDA requirements across our 4-product category. Our animal tissues include those from mouse, rats, rabbits, dogs, monkeys, mini pigs, and other species.

Serial Number	Organization Name
1	Adrenal
2	Bladder
3	Blood cells
4	Bone Marrow
5	Breast
6	Cerebellum
7	Cerebral cortex
8	Colon
9	Endothelium
10	Eye
11	Fallopian tube
12	Gastrointestinal tract
13	Heart
14	Kidney (glomerulus, tubule)
15	Liver
16	Lung
17	Lymph node
18	Ovary
19	Pancreas
20	Parathyroid
21	Pituitary
22	Placenta
23	Prostate
24	Skin
25	Spinal cord
26	Spleen
27	Striated muscle
28	Testis
29	Thymus
30	Thyroid
31	Ureter
32	Uterus (cervix, endometrium)

pour: Except for blood cells, our company can provide both slices and chips for the above organizations. Blood cells can only provide slices