



Tissue Microarray(TMA)

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About Creative Bioarray

Creative Bioarray is one of the most reliable providers with tissue arrays of the highest quality in the industry and maintains the most stringent standards on quality controls. We have constructed high-quality tissue arrays from our in-house repository with a comprehensive archive of over 500,000 human tissue samples and 30,000 animal samples.

Creative Bioarray carries a variety of TMAs representing normal and tumor tissues with slide layout and tissue pathology information. Clinical information has also been gathered and we are able to provide the research communities with a large set of high-quality arrays with clinical information.

We also provide custom tissue arrays to help scientists efficiently analyze gene and protein expressions in multiple tissue samples. Our TMA Construction Service includes:

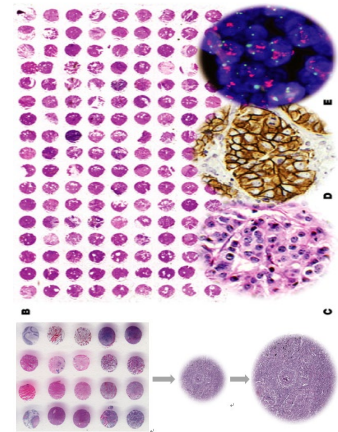
- Design and creation of customized recipient blocks
- Tissue core transfer and insertion
- TMA block sectioning
- TMA slide staining

Features

- High quality: Tissues are collected under IRB-approved protocols in a timely manner with precise care to preserve tissue quality.
- Different formats: Frozen or formalin-fixed paraffin-embedded.
- Paired tissues of various organs: Tumor and normal adjacent tissues available.
- Complete support: TMA Map and detailed pathology reports with histological subtypes, and TNM staging.
- Fully qualified for IHC, IF, ISH, FISH.
- Cost-effective.

Our capability

- High-density Tissue Microarrays
- Normal Tissue Microarrays
- Single Tumor Tissue Microarrays
- Multi-Tumor Microarrays
- Frozen Tissue Microarrays



Available Tissue Microarrays

Species

Human	Mouse	Rat
Dog	Monkey	Multi-Species

Human Organ Systems

Bladder	Liver	Rectum
Brain	Kidney	Sarcoma
Breast	Lung	Skin
Cervix	Lymphoma	Stomach
Colon	Ovary	Testis
Endometrial	Pancreas	Thyroid
Esophagus	Prostate	Multiple Organs

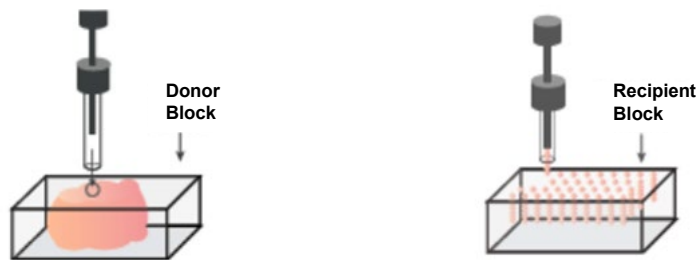
Tissue Microarray Construction

We also provide a custom tissue microarray (TMA) service. You can either select high quality tissue samples available in our inventory, or provide your own samples to build Microarrays according to your needs.

Creative Bioarray's TMA Construction Service includes design of the layout, creation of customized recipient blocks, tissue core transfer and insertion, TMA block sectioning and slide staining.



STEP 1-2: Using a H&E stained slide of the donor block for guidance, the area(s) of interest will be marked.



STEP 3-4: Tissue cores will be extracted from donor block and inserted into the recipient TMA block according to the designed layout.

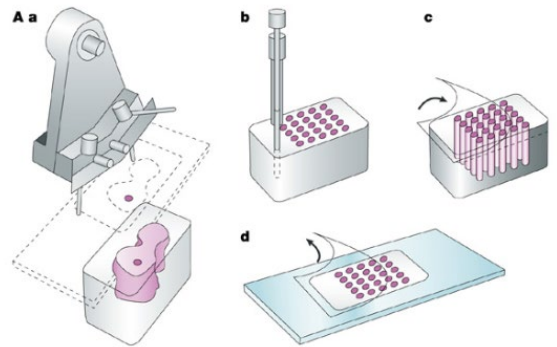


STEP 5-6: TMA block sectioning and TMA slide staining.

Tissue Microarray Construction

Creative Bioarray TMAs are constructed using multiple tissue core punch sets of varying sizes. We have core diameter in 0.6 mm, 1.0 mm, 1.5 mm, and 2.0 mm.

The number of cores fit in a TMA block depends on the size of punch you select to obtain the cores. The maximum usable area on the TMA block is 30 X 24 mm and 30 X 27 mm and fits the following maximum number of cores.

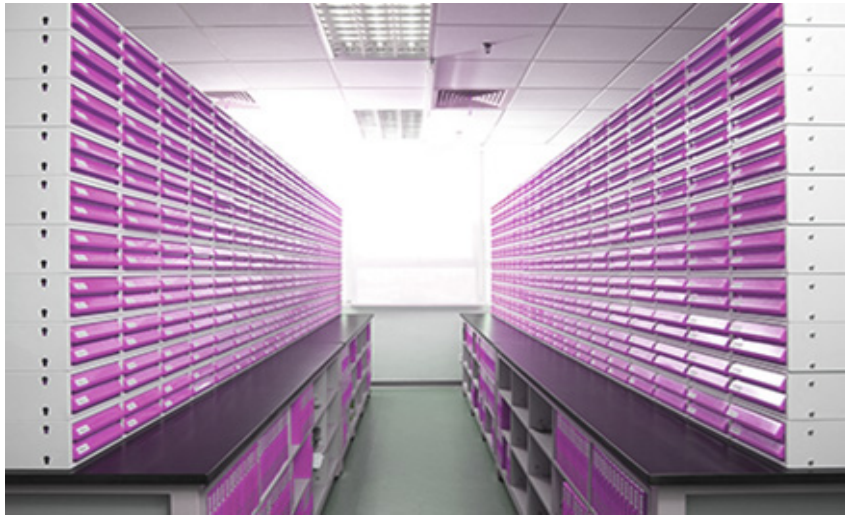


Number of Cores Using Various Needle Sizes- 30 X 24 mm

Core Diameter	Array Format	Total Cores
0.6 mm	16 X 22	352
1.0 mm	12 X 16	192
1.5 mm	9 X 12	108
2.0 mm	7 X 9	63

Number of Cores Using Various Needle Sizes- 30 X 27 mm

Core Diameter	Array Format	Total Cores
0.6 mm	16 X 28	448
1.0 mm	12 X 21	252
1.5 mm	9 X 15	135
2.0 mm	7 X 12	84



Creative Bioarray is committed to providing customers with high-quality TMA products as well as immunostaining services on TMA. If you have any special needs or questions regarding our products or services, please feel free to contact us. **Creative Bioarray** will be your best choice for tissue sourcing and TMA construction.

Contact us to Learn More



Creative Bioarray

USA Address: SUITE 115, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-626-9181 | Fax: 1-631-614-7828

Europe Tel: 44-208-123-7131

Email: info@creative-bioarray.com | Web: www.creative-bioarray.com