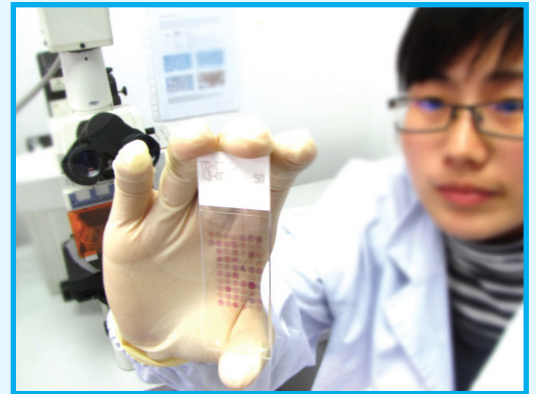


Insight Biotechnology Tissue Micro Arrays

Tissue Micro Arrays

TMA's are generated using a large collection of paraffin embedded tissues from our repository, or created based on the requirements of the customer, including the **custom procurement** of specific tissues. These tissues are procured in close consultation with pathologist and / or a surgeon, in accordance with consent agreements and legal guidelines.

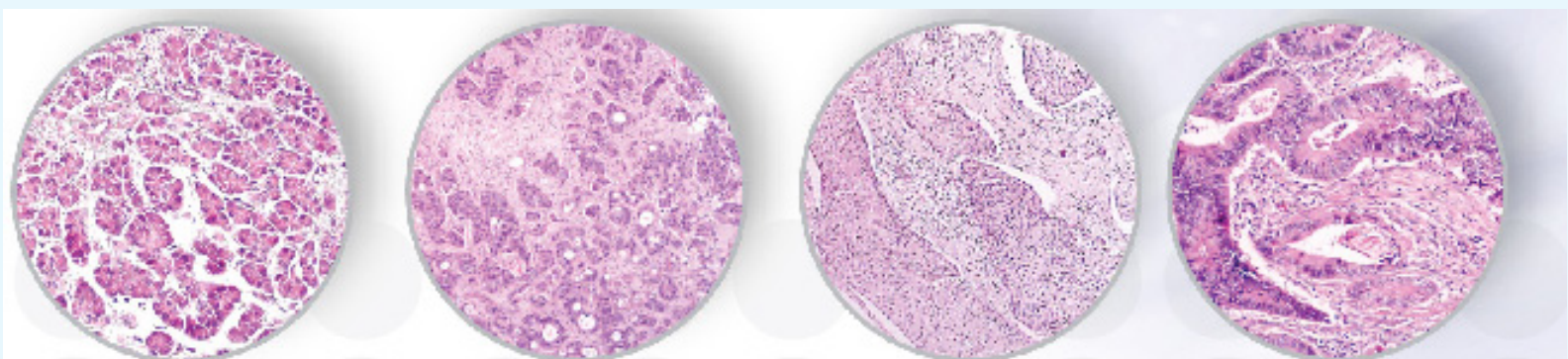


Product Specifications

Each standard archived tissue block (3-5mm thick) yields a maximum of 100 assays in conventional processing. Using optimal sectioning followed by tissue microarray technology, the same block could produce up to 500,000 assays represented as 0.6mm disks of tissue.

High Throughput

One slide contains up to 500 specimens. With correlated controls and repeats it yields over 100 pairs of experiments at the same time. Multiple cases of the same cancer from different patients allow statistical interpretation of experiments in a short time span. Conversely, multiple cancerous tissues can be integrated into the same slide, allowing screening experiments to target the cancer type(s) of interest.



Insight Biotechnology Tissue Micro Arrays

Why Choose Our TMA Platform

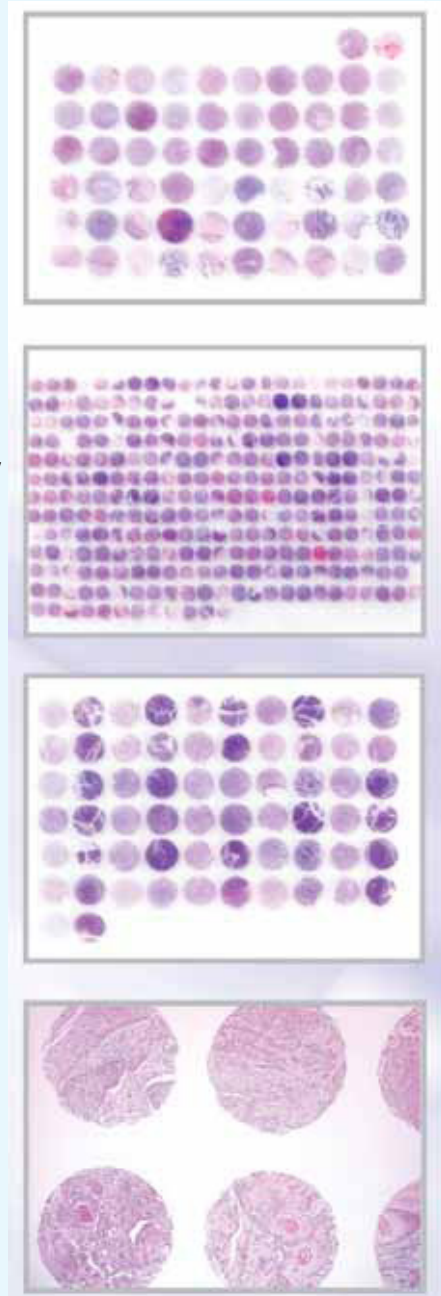
Experiments using conventional tissue sections may exhibit substantial variation from slide to slide. Tissue microarray technology allows the entire cohort to be analyzed in one batch on a single slide. Thus reagent concentrations are identical for each case, as are incubation times, temperatures and wash conditions. The accuracy of results is therefore greatly improved, leading to more confident conclusions. Our products contain the proper control tissue along with corresponding cancerous tissues, making the comparison easy and straight forward.

Save Time and Reduce Costs

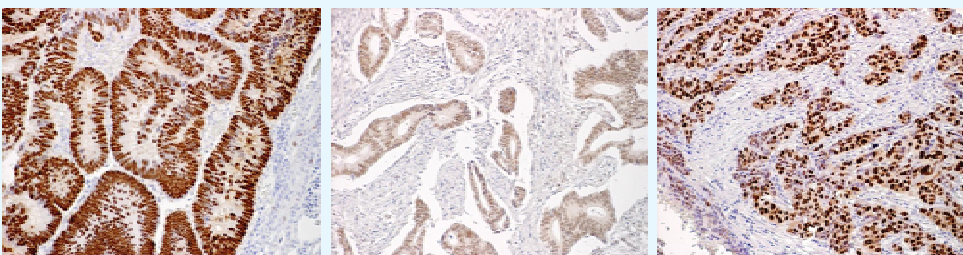
The tissue microarray platform saves labour intensive processing of multiple steps and sample repetition, commonplace with other techniques. Industrial production using state of the art instruments and strict quality control systems ensures uniform and high-quality tissue microarray products are produced every time. The reduced number of experiments also saves precious reagents.

Custom Services

Our comprehensive custom service options allow customers to generate datasets to complement their TMA and tissue analysis data, in a way that would not otherwise be possible. Please enquire for details.



IHC

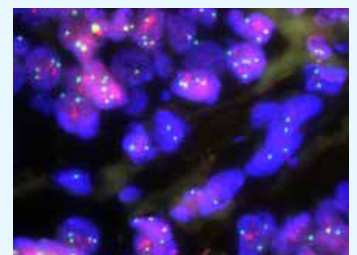


p53

p21

Cyclin D1

FISH



Insight Biotechnology Tissue Bank Repository

Insight Biotechnology has access to an extremely large tissue bank repository, with more than 80,000 high quality tissue blocks, focussing on a wide array of tumours, and normal adjacent tissues from most organs of human body, as well as tissues from embryo, animals and plants.

We also keep correlated collections of frozen samples and blood samples, allowing follow up experiments, such as RNA and DNA extraction, and genomics / pharmacogenomics studies. Tissue microarrays, generated using the tissue collection as well as customer's tissues can be used in conjunction with Affymetrix®, Illumina®, and Agilent systems at our research facilities. Our team of scientists is happy to discuss your experiments so please enquire for details.



Tissue Repository



FFPE Slides



FFPE Blocks



L.N. Tank



- 80 °C Freezers