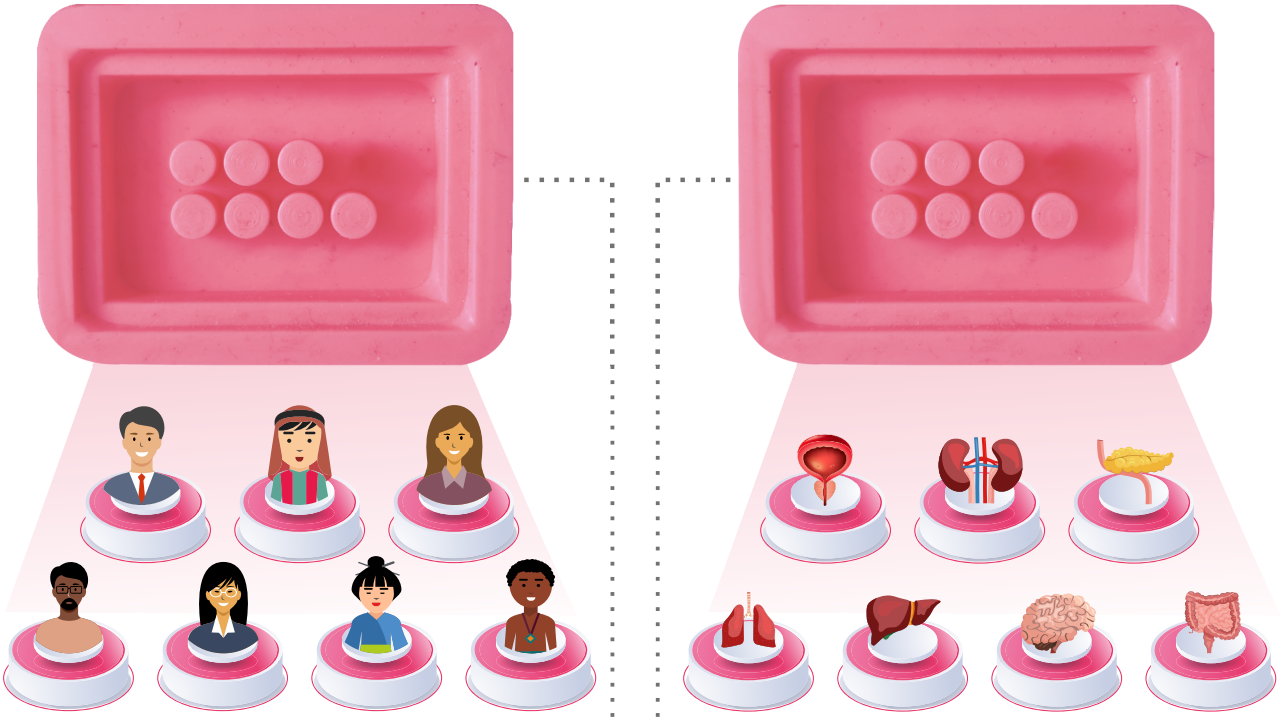
PathnSitu Biotechnologies
Your Advanced Tissue Pathology Partner

Tissue Microarray Kit



Multi Population Array

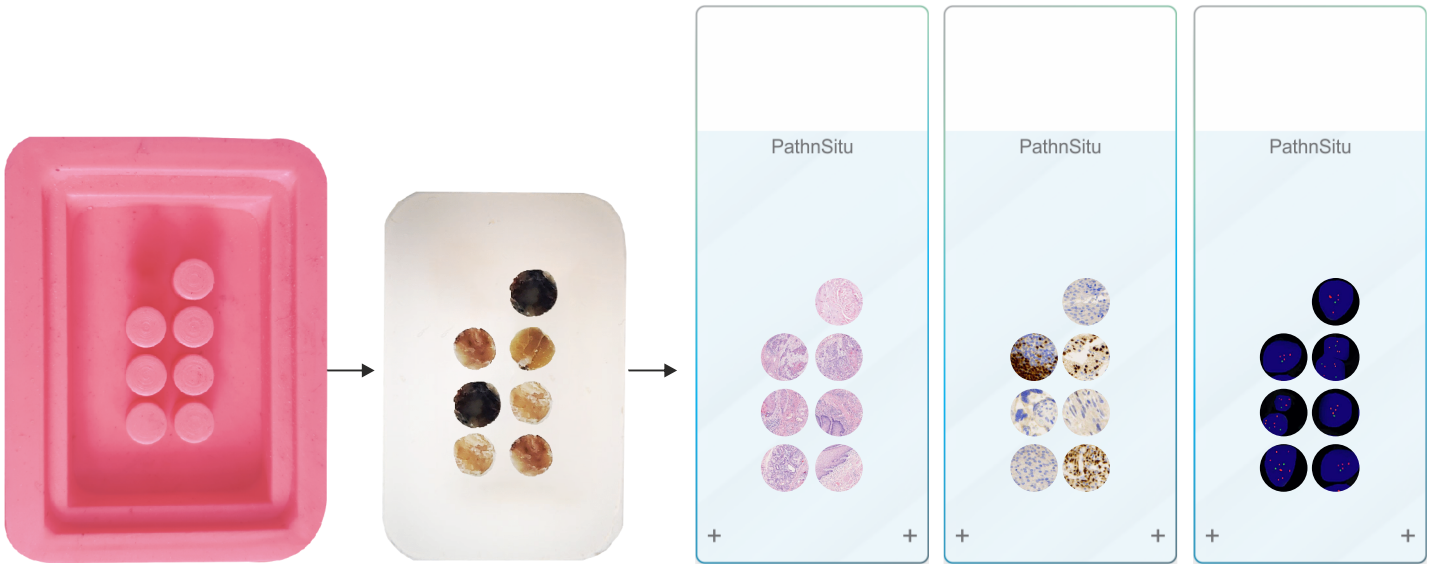
Multi Organ Array

- Silicon Molds
- Help in Conservation of Tissues
- High Grade Stainless Steel Punches/Needles
- Available in Various Sizes- 2mm, 3mm, 4mm & 5mm
- Cost Effective Technique

Introduction

Tissue microarrays are paraffin blocks produced by extracting cylindrical tissue cores from different paraffin donor blocks and re-embedding these into a single recipient (microarray) block at defined array coordinates. Using this technique, multiple tissue samples can be arrayed into a single paraffin block. The use of tissue microarrays in combination with special applications like immunohistochemistry, immunofluorescence and fluorescent in-situ hybridization etc.. has been a preferred method to study and validate cancer biomarkers, drug discovery, product quality control in various diseased patient cohorts. The possibility to assemble a large number of representative diseased samples from a defined patient cohort that also has a corresponding clinical database, provides a powerful resource to study how different expressions and patterns correlate with different clinical parameters. Since patient samples are assembled into the same block, sections can be stained with the same protocol to avoid experimental variability and technical errors. Clinical patient cohorts and corresponding tissue microarray sets have been used to study diagnostic, prognostic and treatment predictive cancer biomarkers, molecular pathology based applications in most tissue related studies.

PathnSitu offers a wide range of tissue micro array molds of multiple core sizes of 2mm, 3mm, 4mm and 5mm with various number of cores starting from 5 to 59.



Multi Protocol Validation with Multiple Tissues

Advantages of Tissue Microarray

Research

To study protein expression, cytogenetics, genotypic and phenotypic marker identification, pathologists/ scientists need patient by patient and organ by organ analysis, thus enabling them to analyze samples on a much larger level.

Tissue Conservation

TMA can improve conservation of tissue resources and experimental reagents. It helps to improve internal experimental controls.

Multiple Staining

Tissue microarrays supports staining techniques like H&E, IHC, FISH and Insitu hybridization.

Cost Effective Technique

As the analysis takes place on a single slide, the protocol steps involved in the slide staining remains the same. Hence, Tissue microarrays for a typical cohort analysis use less reagents while enabling more assays.

Parallel Insitu Analysis

One can increase number of samples per experiment and use it for large-scale, massively parallel Insitu analysis of patients.

High throughput nature of the tissue microarray experiments make them a preferred choice for studying cancer biomarker and drug discovery.

Product Details

Molds

Core Size	No. of Cores
5.0mm	14
5.0mm	11
5.0mm	9
5.0mm	5

Core Size	No. of Cores
4.0mm	23
4.0mm	17
4.0mm	11
4.0mm	5

Core Size	No. of Cores
2.0 mm	59
2.0 mm	49
2.0 mm	39
2.0 mm	29
2.0 mm	23
2.0 mm	17
2.0 mm	11
2.0 mm	5

Core Size	No. of Cores
3.0mm	31
3.0mm	23
3.0mm	17
3.0mm	11
3.0mm	5

Punch / Needles

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Ordering information

As per the requirement, kindly choose by marking a tick mark (✓) against the molds and punches information given below. Take a snapshot of your requirement and submit your enquiry to **customerservice@pathnsitu.com**.

Punch / Needles

2mm ☐ _____ 3mm ☐ _____ 4mm ☐ _____ 5mm ☐ _____

Molds

Core Size	No. of Cores	Quantity
5.0mm	14 ☐	_____
5.0mm	11 ☐	_____
5.0mm	9 ☐	_____
5.0mm	5 ☐	_____

Core Size	No. of Cores	Quantity
4.0mm	23 ☐	_____
4.0mm	17 ☐	_____
4.0mm	11 ☐	_____
4.0mm	5 ☐	_____

Core Size	No. of Cores	Quantity
2.0 mm	59 ☐	_____
2.0 mm	49 ☐	_____
2.0 mm	39 ☐	_____
2.0 mm	29 ☐	_____
2.0 mm	23 ☐	_____
2.0 mm	17 ☐	_____
2.0 mm	11 ☐	_____
2.0 mm	5 ☐	_____

Core Size	No. of Cores	Quantity
3.0mm	31 ☐	_____
3.0mm	23 ☐	_____
3.0mm	17 ☐	_____
3.0mm	11 ☐	_____
3.0mm	5 ☐	_____

Complete Kit ☐

Enable Your Research With PathnSitu Tissue Microarray Kit

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