SlidePath
Digital Pathology Solutions

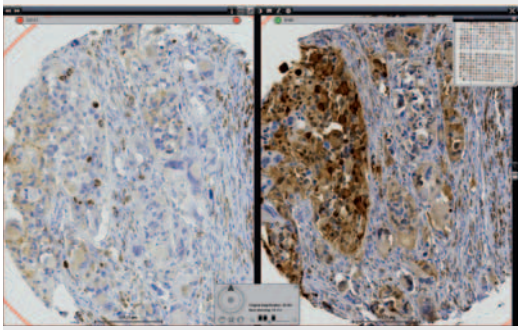
Research

The Complete Software Solution for Tissue-based Research

Living up to Life

Leica
MICROSYSTEMS

Makes High-throughput Biomarker Research Faster, more Flexible and Convenient



Review multiple images in a single window for side-by-side viewing and improved slide comparison.

Your Benefits:

- Web-deployment promotes easy collaboration for multi-site studies
- Standardize workflows and procedures within studies and institutions
- Facilitate high-throughput tissue-based research and biomarker discovery
- Increase data integrity by removing manual error-prone processes in TMA analysis
- Reproducible quantitative image analysis removes inter- and intra-user scoring variability
- Flexible algorithms can be adapted to specific tissues, biomarkers or stains

SlidePath applications are not cleared by the FDA , Health Canada or in the EU for diagnostic or clinical use. All applications are intended solely for use in the research or educational setting, such as university or pharmaceutical development. These applications are described as Research Applications or Research Use Only

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Web-based Research

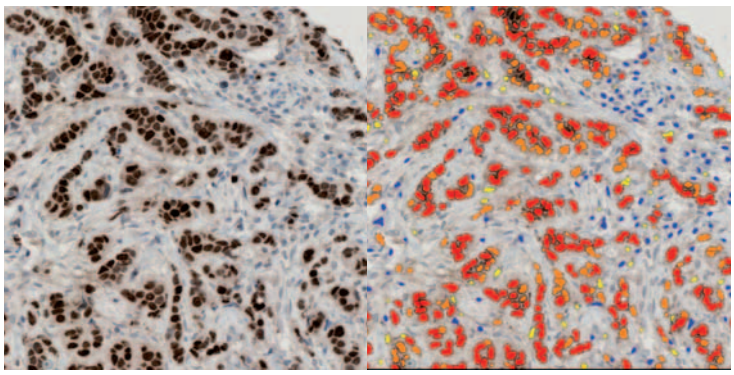
Tissue-based research is increasingly being employed as a tool for biomarker discovery and validation. The growing usage of Virtual Microscopy gives rise to large volumes of image and data, which require specialized solutions for storage, distribution and management. The Leica SCN400 and SlidePath's Digital Image Hub provide the ideal platform for today's research laboratory.

Tissue MicroArrays

SlidePath's OpTMA is a sophisticated, easy-to-use Tissue MicroArray module that can be seamlessly added to Digital Image Hub, providing a complete workflow for TMA management and review. TMA cores are automatically identified, annotated and associated with user-defined map entries. OpTMA facilitates manual scoring with customized scoring forms or automated high-throughput scoring using the Tissue IA module.

Automated Image Analysis

Tissue IA from SlidePath is a high-throughput image analysis system for the quantification of brightfield immunohistochemistry. Rapidly analyze whole sections, TMAs or annotated regions of interest using the flexible algorithms for detection and quantification of membrane, nuclear and positive pixel markers. Additional research-only Her2 and intracellular expression, or customized 3rd party algorithms can be readily added.



Original and final image after processing with SlidePath's Tissue IA. Nuclear staining on selected inclusion regions have been classified as strongly positive (red), moderately positive (orange), weakly positive (yellow) and negative (blue) based on input parameters.

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