

# TMALab™ II

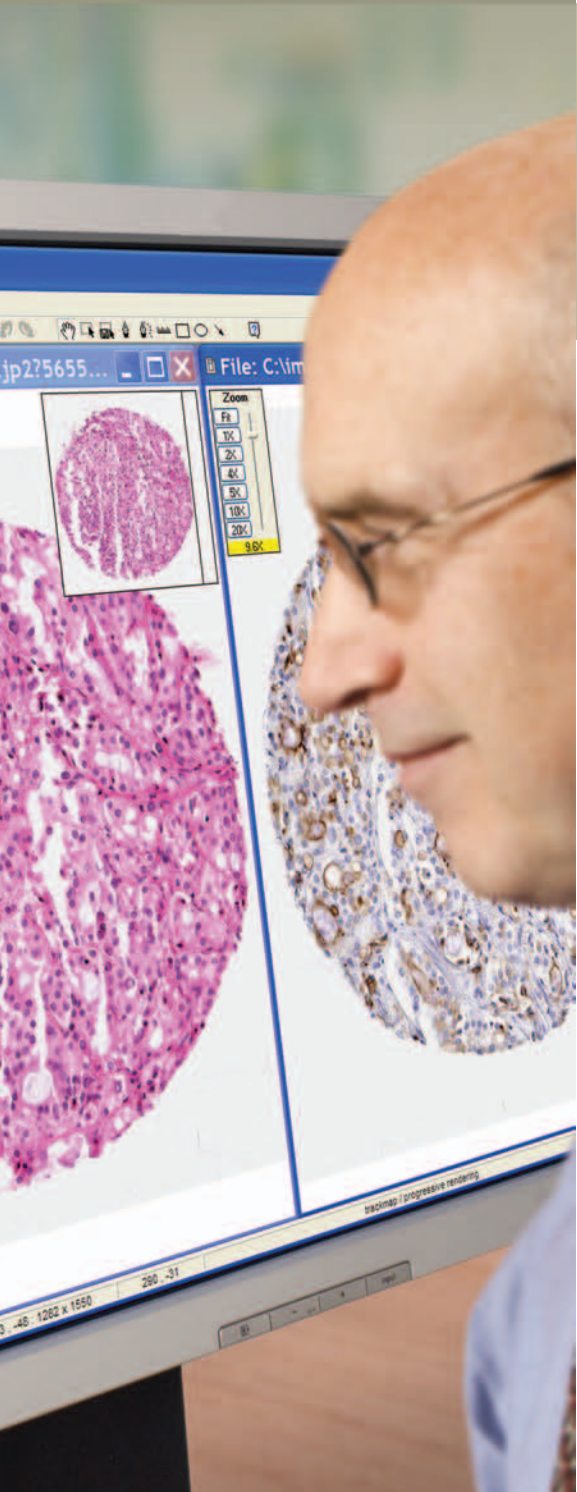
Store, analyze, score, and share high-resolution digital tissue micro array (TMA) slides—and the associated data—with our web-based, cross-platform TMALab™ II software. With our software, you will decrease your research time by automating cumbersome manual tasks across hundreds of tissue cores, and will provide secure, remote, and instant access to multiple pathologists.

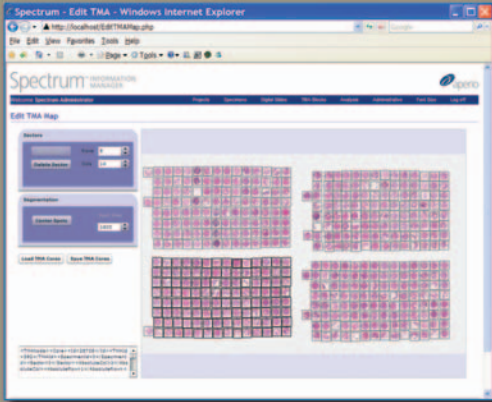
With TMALab™ II, automate manual tasks across hundreds of tissue samples.

Our system manages all TMA processes from the point of selecting study specimen to building the array blocks, scanning, analyzing digital array slides, and correlating analytical data with clinical data\*.

TMALab II integrates seamlessly with ScanScope® systems and Spectrum™ Plus digital pathology information management software to provide powerful management and analysis capabilities to digital TMA slides and their individual tissue spots.

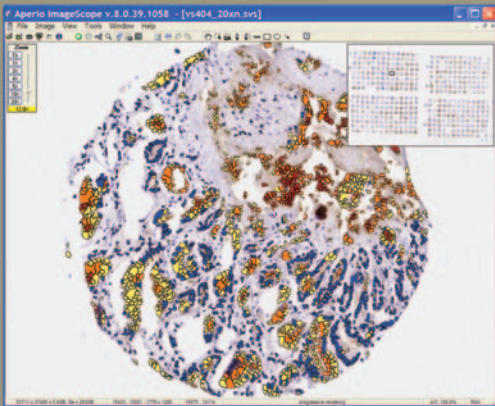
- **DESIGN ARRAY BLOCKS** Record array layouts and associate clinical data in Spectrum Plus while building the physical array block—before any slides have been scanned.
- **QUICKLY SEGMENT DIGITAL TMA SLIDES** Use predefined array blocks to semi-automatically segment whole-slide images.
- **MANAGE YOUR TMA DATA** Employ an advanced relational database to maintain the relationships between array blocks, specimens, cores, and slides.





#### SEGMENT WHOLE SLIDE IMAGES

Use predefined array blocks to semi-automatically segment whole slide images of any standard file format.



#### AUTOMATE IMAGE ANALYSIS

Submit batch jobs for server-side image analysis. Analyze entire spots, designate regions and exclusion regions of analysis.

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\*Aperio's products are intended for research and education use; not intended for use in diagnostic procedures.

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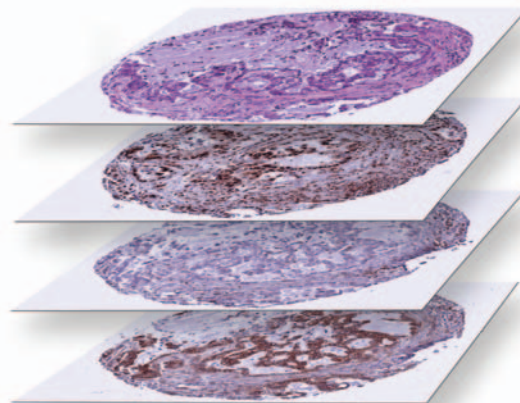
#### • REMOTELY VIEW, SCORE, AND ANNOTATE TMA IMAGES

Access serial section ("spot") images associated with any core. Easily retrieve and compare spots across any number of arrays based on search criteria.

- **AUTOMATE IMAGE PROCESSING** Submit batch jobs for server-side image analysis using any of our analysis packages (IHC nuclear, IHC membrane, color deconvolution and co-localization algorithms). Interface with your existing Image-Pro Plus Macros or build your own custom analysis tools using C++.

- **EXPORT IMAGES** Spot images can be exported in batch mode to TIFF, SVS, or JPEG file formats so that they can be loaded into third-party applications.

- **EXPORT DATA** Easily correlate analytical data with clinical information by exporting in batch mode to a variety of standard formats for further statistical analysis: TXT, CSV, Excel



#### VIEW SPOTS IN CONTEXT OF CORE

Rapidly access adjacent sections and compare stains by automatically retrieving corresponding spots across multiple slides.

For more information about our solutions for digital pathology, please visit [www.aperio.com](http://www.aperio.com) or call us at 866-478-4111.



bringing digital pathology to life