



# EDCO FORUM<sup>®</sup>

PRESENTING INNOVATIVE PRODUCTS & SERVICES TO HEALTHCARE PROFESSIONALS

VOLUME 10 NUMBER 31

JUNE 2003

REPRINT

## SAKURA FINETEK INTRODUCES TISSUE-TEK<sup>®</sup> XPRESS<sup>™</sup> AND TISSUE-TEK<sup>®</sup> AUTO TEC<sup>™</sup>

*A Revolutionary Change in the Science and Business of Histology:  
1-Hour Tissue Processing and Automated Embedding;  
Learn More at the 2003 CLMA/ASCP*

Sakura Finetek U.S.A. (Torrance, CA), a leader in the development of state-of-the-art clinical laboratory equipment, announces a revolutionary change in the science and business of histology. The company has developed two new Tissue-Tek<sup>®</sup> brand instruments that will reduce histological diagnoses times from several days to less than one day. The Tissue-Tek<sup>®</sup> Xpress<sup>™</sup> Rapid Tissue Processor is Sakura's revolutionary continuous-specimen-flow, high throughput, 1-hour tissue processor.



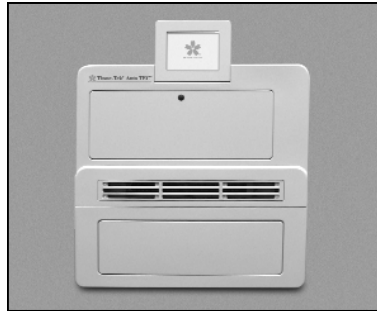
A combination of a novel four-reagent system, patented micro-wave technology, and traditional vacuum infiltration technology is used to produce results that are comparable to or better than traditional processing. Precisely controlled mechanical and thermal actions ensure

optimal, standardized processing. Rapid tissue processing is based on a blend of very gentle reagents performing fast and efficient fixation, dehydration, clearing, and impregnation. The novel, four-reagent system represents about an 80% reduction in the total reagent volume needed as compared with traditional methods and the reagents are conveniently packaged in ready-to-use, disposable 1-gallon containers. The proprietary four-reagent system represents significant reagent cost savings over traditional ten-reagent processing. The process is further streamlined as retort-cleaning cycles are eliminated. The proprietary reagents further do not involve formalin or xylene, thus preserving DNA, RNA, and proteins in the tissue blocks.

The Tissue-Tek<sup>®</sup> AutoTEC<sup>™</sup> is the first-ever Automated Embedding System. Tissue-Tek<sup>®</sup> AutoTEC<sup>™</sup> is capable of embedding up to 120 specimens per hour, automatically. Four magazines of up to 34 cassettes each can be loaded at one time and more can be added continuously as the robotic system removes them from the loading station, allowing uninterrupted operation throughout the day. The Tissue-Tek<sup>®</sup> AutoTEC<sup>™</sup> senses each cassette and automatically differentiates between biopsy, standard, or orientation


cassettes. Each cassette is then placed in the proper size base mold, paraffin is precisely dispensed, and cooling is activated to form a block. The cassette is then moved to one of the four output doors that detach from the system and double as convenient holding trays for use during sectioning. Tissue-Tek® AutoTEC™ is used in conjunction with Sakura's innovative Paraform® Sectionable Cassette System that ensures standardized results. The Tissue-Tek® Paraform® Sectionable Cassette System not only cuts preparation time by improving workflow, it also helps cut processing costs by eliminating guesswork and reducing repeats. A unique new material called Paraform®, because of its similarity to paraffin during sectioning, allows blocks to be sectioned, stained, and coverslipped with complete specimen integrity. The Paraform® Sectionable Cassette System holds specimens securely in place throughout processing, embedding, and sectioning, preserving orientation and ensuring that clinically relevant sections are reviewed by the pathologist. Tissue preparation time is reduced by

over 50% as compared with current techniques!



Sakura Finetek U.S.A., Inc. was established in the United States in 1986. Sakura's branded product names include Tissue-Tek®, Accu-Edge® and Cyto-Tek® —brands that have become industry standards. These world-class product lines are augmented by a broad product portfolio that includes histology/cytology stainers, processors, embedding centers, automated coverslippers, microtomes and cryostats, and a complete line of consumables and reagents. Sakura enjoys a strong tradition of producing quality products at a reasonable cost and the name Sakura stands for nothing less than the best in histology and cytology, appearing on more products in more pathology labs than any other worldwide. In 2003

Sakura promises to revolutionize the industry once again as it is in the Sakura tradition to continually enhance and expand the boundaries of pathology and histotechnology .

Come and appreciate the future of automation in the clinical Pathology laboratory at the 2003 Annual Meetings of the Clinical Laboratory Management Association and the American Society for Clinical Pathology (CLMA/ASCP). 

For more information concerning Tissue-Tek Xpress™ and Tissue-Tek AutoTEC™, contact Elise Green, Marketing Manager, at 1-310-972-7873; stop by our booth #827 at The 2003 CLMA/ASCP, June 22-24, Salt Lake City, Utah; or visit Sakura's Web site at [www.sakuraus.com](http://www.sakuraus.com).