

Placing productivity in a new light



SAKURA

Tissue-Tek® Paraform®

Sectionable Cassette System

Revolutionizing the science and business of histology

Transforming the daily practice of histology

Imagine tissue preparation made easy with fewer steps involved. No need for specimen orientation after grossing, and double embedding speed without effort.

It's all possible with the Tissue-Tek® Paraform® Sectionable Cassette System, an innovative cassette design with sophisticated technology that places these advantages *right in the palm of your hand*... featuring Paraform®, a novel material similar to paraffin that allows sectioning directly through the cassette.

What's more, the Paraform® Sectionable Cassette preserves specimen orientation. Just orient a grossed specimen in the cassette and secure the lid. Orientation is maintained throughout processing, embedding, and sectioning. There's no need to open the cassette again to reorient tissue—ever.

For even greater convenience, the Paraform® cassette enables totally automated embedding with the Tissue-Tek® AutoTEC™ Automated Embedding System. Yet it can also be used in manual embedding techniques. Plus, Paraform® is available in standard, biopsy, and orientation cassettes to facilitate processing of a variety of specimens.

The Tissue-Tek® Paraform® Sectionable Cassette System. Turning simplicity and ease of use into invaluable time savings for today's busy histotechnologist.



The unique Paraform® material is compatible with paraffin, allowing sectioning directly through the cassette.

Advancing the business of lab management

Tissue preparation has never been easier, faster, or more efficient than with the Tissue-Tek® Paraform® Sectionable Cassette System.

Thanks to the cutting-edge technology of a unique new material called Paraform®, these cassettes enable specimen blocks to be sectioned, stained, and coverslipped—with *complete specimen integrity*. And because Paraform® cassettes are not opened for later orientation, they reduce the number of steps in tissue preparation. The result is streamlined productivity with reduced opportunities for errors—saving time, controlling costs, and reducing the occurrence of repetitive motion disorder in daily laboratory practice.

Integrating Paraform® into your lab is simple because it is compatible with all existing laboratory processes. And you can even use Paraform® with manual embedding systems.

When partnered with the total automation offered by the Tissue-Tek® AutoTEC™ Automated Embedding System, the Paraform® cassette provides even more significant benefits. Laboratory efficiency reaches new heights with improved work flow. Specimen slides make their way to the pathologist sooner, diagnoses are determined more quickly, and patient care is improved.

The potential is endless with the Tissue-Tek® Paraform® Sectionable Cassette. It's not your imagination—it's *real*.



Tissue-Tek® Paraform®
Sectionable Cassette System

Innovation in every detail

Smart thinking and smart technology. You'll find them in every detail of the Tissue-Tek® Paraform® Sectionable Cassette System. Even the smallest element has been designed with an eye toward improved tissue processing, embedding, and sectioning. The result is a state-of-the-art cassette that accommodates the needs of your busy histology laboratory.

Take a look at how the Paraform® Sectionable Cassette System differs from traditional cassette systems used in the histology laboratory.

A series of **small ridges** secures lid in the proper position inside the cassette

Upper and middle tabs hold the Paraform® inner cassette securely throughout tissue processing, embedding, and sectioning

Lower tabs maintain cassette alignment with the base mold during embedding

Innovative design allows sectioning, yet retains shape and strength during processing for specimen integrity

Paraform® Frames are also available in stacks of 40 for compatibility with the Tissue-Tek® AutoWrite™ Cassette Printer

Attached lid holds specimens securely during processing, eliminating the need for later orientation

Corner surface areas enable cassette type identification by the Tissue-Tek® AutoTEC™

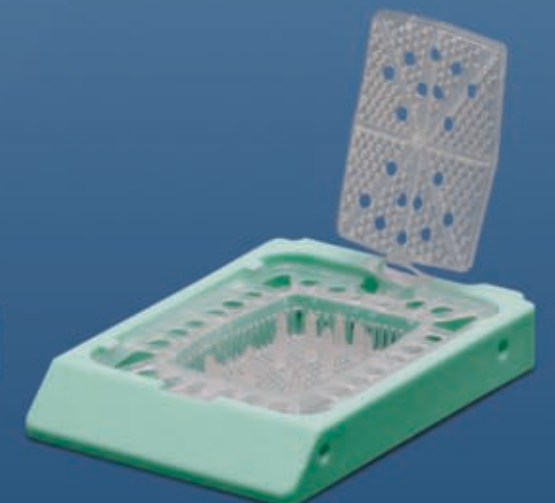
Flexible hinge ensures adaptable lid closure to accommodate specimens of various sizes and thicknesses

Unique Paraform® material is compatible with all existing processing and staining protocols, and will not pick up stain or interfere with diagnosis

Frame indents provide compatibility with the Tissue-Tek® AutoTEC™ Automated Embedding System



Paraform® Biopsy Cassette features reduced pore size to handle smaller specimens



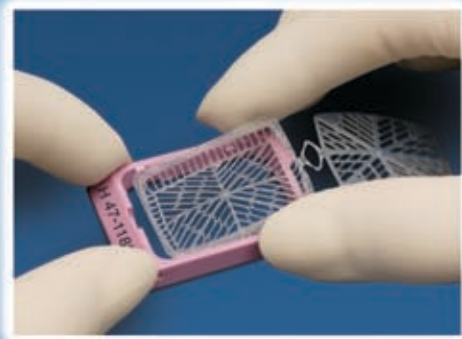
Paraform® Orientation Cassette features upright posts to accommodate tissue that requires special orientation

The Tissue-Tek® Paraform® Sectionable Cassette System is available in three designs, including standard, biopsy, and orientation, which provide flexibility and security for all specimen types. Even the most

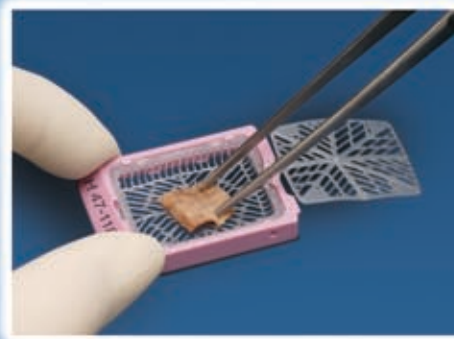
difficult-to-orient specimens, such as skin, arteries, and gall bladder, can be oriented upright or on edge as necessary in the Paraform® Orientation Cassette.

 **Tissue-Tek® Paraform®**
SAKURA
Sectionable Cassette System

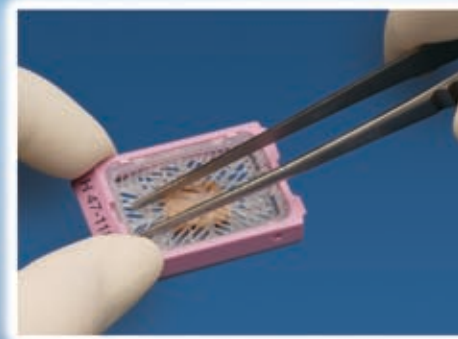
Ease and efficiency with Paraform®



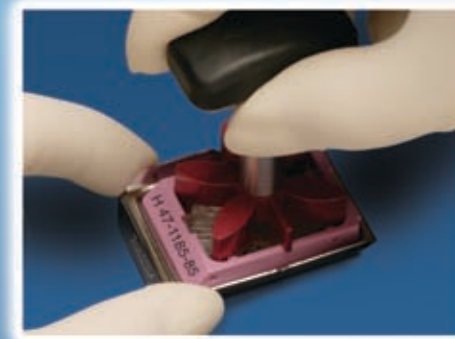
STEP 1—Insert a Tissue-Tek® Paraform® cassette into a frame.



STEP 2—Orient grossed specimen in the center of the cassette.



STEP 3—Close and secure the lid to preserve orientation in the cassette.



STEP 4—After processing, use the Paraform® tamper to lower the cassette into the base mold.



STEP 5—During paraffin dispensing, the specimen remains precisely oriented in the cassette.



STEP 6—The Paraform® cassette design enables users to quickly obtain a paraffin ribbon.

With the Tissue-Tek® Paraform® Sectionable Cassette System, tissue preparation has never been simpler—or more standardized. The Paraform® cassette provides complete ease of use in tissue preparation, and excels in fulfilling laboratory needs for quality, efficiency, and productivity.

To ensure that laboratories achieve these benefits, specimens must be grossed in a uniform, precise manner. The Tissue-Tek® and Accu-Edge® product lines have been expanded to include grossing tools (including a grossing board, forks, blades, and tampers) to guarantee specimen uniformity and integrity for consistent processing results.



Grossing plays a pivotal role in tissue preparation. Performed without standardization, it can cause inefficient processing and inconsistent results.

Achieving standardized grossing is easy with Accu-Edge® grossing tools. These tools guarantee uniform results—and improved safety—for heightened efficiency and productivity in the lab. The introduction of these precisely calibrated tools assures consistent specimens sized to exact specifications... and optimal processing with the Paraform® cassette.

The Paraform® cassette frame further enhances laboratory processes through its very design, which offers compatibility with all existing microtomes. Available in 12 colors, these frames can be easily labeled with the Tissue-Tek® AutoWrite™ Cassette Printer for easy specimen identification.



 **Tissue-Tek® Paraform®**
SAKURA
Sectionable Cassette System

Imagine the possibilities in your laboratory



Tissue-Tek® AutoTEC™ Automated Embedding System—#7000



Tissue-Tek® Paraform® Sectionable Cassette System

Standard (#7021), Biopsy (#7020),
and Orientation (#7022)

Tissue-Tek® Paraform® Frames

Aqua (#7030), Blue (#7031), Gray (#7032),
Gold (#7033), Green (#7034), Lilac (#7035),
Orange (#7036), Pink (#7037), Red (#7038),
Tan (#7039), White (#7040), and Yellow (#7041)

Tissue-Tek® Base Molds

Standard (#7055), Biopsy and Orientation (#7056)

Tissue-Tek® Paraform® Cassette Tamper—#7015



Tissue-Tek® Paraform® Low-Profile Blade—#7089

**Tissue-Tek® Paraform® Processing/Embedding Medium,
Formula 1—#7050**

**Tissue-Tek® Paraform Processing/Embedding Medium,
Formula 2—#7051**

Accu-Edge® Grossing Accessories

Grossing Board—#4800

Grossing Board, Large—#4801

Grossing Forks—1.5 mm (#4803), 2.0 mm (#4804),
2.5 mm (#4807)

Trimming Handle, Short/Straight—#4786

Trimming Blades (50/cs)—#4785

Scalpel Handle—#4791

Scalpel Blades—Curved Tip (#4792)

#61 Pointed Tip (20/CS) (#4793)

Visit our web site at www.sakuraus.com



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