



Product Catalog 2015

Continuous Innovation For Pathology

Come visit us at the following Conferences and Scientific Meetings:

<u>Date</u>	Abbr.	<u>Name</u>	<u>Location</u>
Feb. 8-13, 2015	University of Miami	39th Annual Review and Recent Practical Advances in Pathology	Fontainebleau Hotel Miami Beach, FL
March 23-25, 2015	USCAP	USCAP Annual Meeting	Hynes Convention Center Boston, MA
April 30-May 3, 2015	ACMS	American College of Mohs Surgery Annual Meeting	Marriott Rivercenter San Antonio, TX
May 6-7, 2015	API	Pathology Informatics Summit	Wyndham Grand Pittsburgh, PA
July 13-17, 2015	APC	Association of Pathology Chairs Annual Meeting & Exhibits	Rancho Bernardo Inn San Diego, CA
Aug. 28- Sept. 2, 2015	NSH	NSH Symposium Convention	Washington, DC
Sept. 2-3, 2015	AAPA	American Association of Pathologists' Assistants Continuing Education Conference	Fairmont Royal York Toronto, Canada
Oct. 4-7, 2015	CAP	College of American Pathologists	Gaylord Opryland Nashville, TN
Oct 11-14, 2015	DPA	Digital Pathology Association Pathology Visions	Westin Waterfront Boston, MA
Oct 28-30, 2015	ASCP	American Society of Clinical Pathology	Long Beach, CA
TBD	IADP/CIC 22	International Academy of Digital Pathology and Color Imaging Conference	TBD
TBD	ASMS	American Society of Mohs Surgery	TBD
Nov. 13-16, 2015	ASC	American Society of Cytopathology Annual Scientific Meeting	Hyatt Chicago, IL

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Welcome to Sakura

Sakura has achieved its success and solidified its reputation by providing timely, innovative solutions to the real challenges that laboratories face on a day-to-day basis.

Our rich history has given us a thorough understanding of technology, quality, reliability, value for money, and our customer's requirements. We use this knowledge and passion to develop products that anticipate developments in both technology and market needs.

Thank you for your continued support.

Takashi Tsuzuki

Chairman and CEO

Sakura Finetek U.S.A.

Global Mission Statement

"Continuous Innovation For Pathology" by providing integrated solutions for anatomic pathology and patients through best-in-class innovation, quality, and customer care.

History

The history of Sakura goes back to over 350 years where under the name "Iwashiya", it manufactured and sold pharmaceuticals throughout Japan. The medical equipment division of Iwashiya was formed in 1871, as Sakura (meaning "cherry blossom"). For the next 90 years, the company manufactured a variety of medical equipment including the first Japanese microscope.

Sakura is the original manufacturer of the Tissue-Tek® and Cyto-Tek® instruments that have become industry standards over the years. This lineup of prestigious products includes the Tissue-Tek VIP® series, the most widely used tissue processor in the world.

Sakura Finetek U.S.A., Inc. was established in the United States in 1986. The company acquired the histology and cytology product lines of Miles Inc. in 1994 adding products such as the Accu-Edge® Blade Systems, the Uni-Cassette® Systems and more. More recently, Sakura has innovated by introducing the SMART

Automation line of products. Featuring the Tissue-Tek Xpress® continuous loading rapid tissue processor, the fully automated Tissue-Tek AutoTEC® embedding system using the sectionable Paraform® cassettes, and the Tissue-Tek Prisma® and Tissue-Tek Film® integrated staining and coverslipper platforms, allowing laboratories to produce results within three hours and providing for the first time same day diagnosis for patients.

The organization continues to invest in cutting edge technologies, thus maintaining its position as an innovative and reliable partner in pathology. The new Tissue-Tek AutoSection® is the first microtome to automate aligning, facing, and sectioning of the paraffin blocks, while the Tissue-Tek® NanoMold™ significantly reduces the need to clean base molds and offers superior cooling and de-molding characteristics.

Our commitment to productivity and superior customer service for laboratories continues to endure, just as it has been for three centuries. Expect still more wonders in the decades to come, from Sakura.



As a valued Sakura® customer, you have come to know our exceptional portfolio of Histopathology instrumentation and accessories, and thus have experienced working directly with some of the most advanced and reliable instrumentation and products on the market today. However, to maintain this exceptional performance it is essential that you protect your laboratory investment with quality service and support.

With this in mind, Sakura has developed several service options to meet your laboratory instrumentation needs. Each option, thoughtfully designed to provide you a trouble-free experience when needing routine technical support, an annual Preventative Maintenance (PM) Inspection, or the occasional emergency service visit.

We pride ourselves on high-quality service and support that will enhance your everyday laboratory experience. A level of support that surpasses our competitors and provides the value you have come to expect as a Sakura customer.

When you need service, a full-service support network of professional and experienced application specialists and service engineers are available to you. Not only will our team of professionals bring a wealth of knowledge to any given support need, but you will also have the added assurance that only genuine Sakura service parts are used while addressing a service issue or performing an annual PM.

Sakura Service Solutions offers you:

- · Professional and highly trained staff
- Maximized instrument performance
- · Cost control and predictability
- · Real-time connectivity

Call us for more information at 1-800-725-8723, option 2



Fully covered by Sakura Finetek We are here for you



To further enhance your Sakura service experience, we are proud to offer you the latest in Remote Diagnostics and Monitoring technology for your Sakura instrumentation.

Our highly efficient and secure Tissue-Tek® iSupport™ program is available to provide the quickest response possible to your service need, thus allowing streamlined communication with our team of support professionals, resulting in greater instrument uptime.

Call us for more information at 1-800-725-8723, option 2





Visit us at www.sakura-americas.com

Grossing

Grossing Stations

Tissue-Tek® Accu-Edge® Elevating Grossing Station Tissue-Tek® Accu-Edge® Countertop Work Station Tissue-Tek® Accu-Edge® Pathology Work Station

Grossing Tools System

Tissue-Tek® Accu-Edge® Grossing Boards
Tissue-Tek® Accu-Edge® Grossing Forks

Grossing and Trimming

Tissue-Tek® Accu-Edge® Trimming Knife Series
Tissue-Tek® Accu-Edge® Dissecting Scalpel Series
Tissue-Tek® Accu-Edge® Autopsy Knife Series
Tissue-Tek® Accu-Edge® Replaceable Blade Scissors
Tissue-Tek® NEUTRALEX®



Grossing Stations



Tissue-Tek® Accu-Edge® Grossing Stations

The Tissue-Tek Accu-Edge Grossing Stations come in various configurations and sizes like the Elevating Grossing Station with or without hands-free controls, a space saving Countertop Station or an economical Pathology Work Station.

Tissue-Tek® Accu-Edge® Elevating Grossing Station

Constructed from high-quality stainless steel, the Tissue-Tek Accu-Edge Elevating Grossing Station is a floor model that stands at counter height. The Elevating Grossing Station has the ability to elevate from 32" to 44" to accommodate all lab personnel. This Station is equipped with a vacuum breaker-protected water supply and duct directly to the building ventilation system. Other standard features include ½ HP disposal, polyethylene dissecting board, magnetic instrument holder, dissecting area rinse, shelving, and a spray hose assembly.

Tissue-Tek® Accu-Edge® Countertop Work Station

The Countertop Work Station features enhanced grossing capabilities for limited spaces and it is ideal for smaller labs because it is built to sit on any countertop. Standard features include integral sink with mixing faucet, easily accessible control panel, ample lighting, formalin container with spigot, C-fold paper towel holder, magnetic instrument holder, and a polyethylene dissecting board.

Tissue-Tek® Accu-Edge® Pathology Work Station

The Accu-Edge Pathology Work Station is a customizable and affordable workstation. It offers a comprehensive suite of standard and optional features. Standard features include a large mixing faucet, easily accessible control panel, ample lighting, formalin container with spigot, C-fold paper towel holder, magnetic instrument holder, and a polyethylene dissecting board.

Item Code	Description
0105	Elevating Grossing Station with Infrared Controls
0106	Elevating Grossing Station without Infrared Controls
0107	Non-elevating Grossing Station with Infrared Controls

Item Code	Description
item Code	
0108	Non-elevating Grossing Station without Infrared Controls
0110	Countertop Work Station
0111	Elevating Workstation
0115	Pathology Work Station
0119	Grossing Station with Perimeter Exhaust
0120	Base Leg Assembly (for items 0110 and 0115)
0121	Base Leg Assembly with Cabinet (for items 0110 and 0115)
0137	PathPRO™ Grossing Station, Elevating
0138	PathPRO™ Grossing Station, Non-elevating
0150	Camera Mount Facility (FO)*
0152	Cassette Holders (FO)*
0153	Container, Formalin
0154	Disposal 1/2 HP (FO)*
0155	Disposal 3/4 HP (FO)*
0156	Disposal 1 HP (FO)*
0159	Dissecting Board
0162	Exhaust Duct to Building (FO)*
0164	Eyewash Assembly (FO)*
0169	Filter, Activated Carbon and Potassium Permanganate
0170	Flammable Storage Cabinet (FO)*
0171	Foot Pedal Control Voice Activation
0172	Formalin Dispense/Collection System (FO)*
0173	Formalin Dispense System (FO)*
0174	Formalin Collection System (FO)*
0175	Forms Holder
0176	Full Perimeter Rinse (FO)*
0177	Glove Box holder
0178	Halogen Light, Flex Arm
0179	Infrared Control, Hands-Free, Hot/Cold Water (FO)*
0180	Infrared Control, Hands-Free, Disposal (FO)*
0181	Infrared Control, Hands-Free, Dissecting Rinse (FO)*
0182	Instrument Holder, Magnetic
0186	Magnifier Light, Deck Mount (FO)*
0188	Microphone on Flex Arm (FO)*
0190	Monitor and Keyboard Stand (FO)*
0196	Paper Towel Holder, C-Fold
0200	Rinse, Dissecting Area (FO)*
0201	Ruler, Removable (FO)*
0203	Scale, Economy Grade
0204	Scale, Digital
0205	Seismic Anchoring Kit
0206	Shelving/Cabinets, Stainless Steel (FO)*
0207	Side Splashes (FO)*
0208	Splash Shield, Plexiglas
0209	Sink Cover, Stainless Steel
0210	Spray Hose Assembly (FO)*
0215	Trash Container, Ventilated (FO)*
0217	Utility Drawer (FO)*
0219	Valve, Air (FO)*
0220	Valve, Gas (FO)*
0222	Ventilation Assembly, Self-Contained
0224	Video Camera Arm
0228	Voice-Activated Dictation
0229	Work Area, Plexiglas
0230	Writing Platform, Pull-Out (FO)*
0232	X-Ray Illuminator
*(FO) Factory O	ption



Grossing Tools Systems



Tissue-Tek® Accu-Edge® Grossing Tools System

The Tissue-Tek Accu-Edge Grossing Tools System enables complete standardization of the grossing process.

Tissue-Tek® Accu-Edge® Grossing Tools offer you:

- Consistent and standardized grossing ensures specimens are an exact uniform thickness throughout
- Tools are easy to clean between cases, minimizing risk of cross contamination

Tissue-Tek® Accu-Edge® Grossing Boards

Tissue-Tek Accu-Edge Grossing Boards with adjustable wells accommodate a wide range of tissue types. The wells can be individually adjusted from 1.5 mm to 3.0 mm. Tissue-Tek Accu-Edge Grossing Boards can be used as a stand-alone grossing area or on your current grossing station.

With Tissue-Tek Accu-Edge Grossing Boards, you are just a few steps away from the perfect sample:

- Calibrate the well at the required depth
- Position the tissue in the well
- Place the tamper on the tissue
- Gross at the desired thickness

Tissue-Tek® Accu-Edge® Grossing Forks

Accu-Edge Grossing Forks are designed for hollow organs or specimens with layers and are available in three sizes: 1.5 mm, 2.0 mm, and 2.5 mm. Each fork has two set of tines; the distance between the tines determines the size of the fork.

Accu-Edge Grossing Forks hold the tissue in place while sliding a trimming or scalpel blade against the outer surfaces of the fork, resulting in a section of the desired thickness between the tines.

Item Code	Description
4800	Tissue-Tek® Accu-Edge® Grossing Board
4801	Tissue-Tek® Accu-Edge® Large Grossing Board
4802	Tissue-Tek® Accu-Edge® Grossing Wells
4803	Tissue-Tek® Accu-Edge® Grossing Fork 1.5 mm
4804	Tissue-Tek® Accu-Edge® Grossing Fork 2.0 mm
4807	Tissue-Tek® Accu-Edge® Grossing Fork 2.5 mm
4814	Tissue-Tek® Accu-Edge® Cleaning Brush
4846	Tissue-Tek® Accu-Edge® Tamper Set
4847	Tissue-Tek® Accu-Edge® Gauge Set



Grossing & Trimming



Tissue-Tek® Accu-Edge® Trimming Knife Series

The Accu-Edge Trimming Knife Series features two sturdy handles designed to hold your choice of two possible blade lengths. These specially designed handles and blades provide an extremely sharp knife for a wide variety of grossing requirements. Advanced design enables quick, easy blade removal and replacement.

Item Code	Description
item code	Description
4785	Tissue-Tek® Accu-Edge® Trimming Blade, Short (5 inches);
	50/cs
4786	Tissue-Tek® Accu-Edge® Trimming Handle, Short Straight
4789	Tissue-Tek® Accu-Edge® Trimming Blade, Long (10 inches);
	50/cs
4790	Tissue-Tek® Accu-Edge® Trimming Handle, Long Straight



Grossing & Trimming



Tissue-Tek® Accu-Edge® Dissecting Scalpel Series

The Tissue-Tek Accu-Edge Dissecting Scalpel Series features an autoclavable, chemical resistant handle designed to hold your choice of two possible dissecting blades. The two different dissecting blades consist of a wide, curved tip (F-61) or a small, pointed tip for various applications. Advanced design enables quick, easy blade removal and replacement.

Item Code	Description
4791	Tissue-Tek® Accu-Edge® Dissecting Scalpel Handle
4792	Tissue-Tek® Accu-Edge® Dissecting Scalpel Blades #61,
	Curved Tip; 20/cs
4793	Tissue-Tek® Accu-Edge® Dissecting Scalpel Blades #62,
	Pointed Tip; 20/cs



Tissue-Tek® Accu-Edge® Autopsy Knife Series

The Tissue-Tek Accu-Edge Autopsy Knife Series offers a chemical resistant and heat resistant resin handle that accommodates three blade sizes. Extremely sharp autopsy blades are manufactured from quality, durable stainless steel. Blades, available in three sizes, are interchangeable with the autoclavable plastic handle.

Item Code	Description
4781	Tissue-Tek® Accu-Edge® Autopsy Knife Handle
4782	Tissue-Tek® Accu-Edge® Autopsy Blade 100 mm; 5/cs
4783	Tissue-Tek® Accu-Edge® Autopsy Blade 170 mm; 5/cs
4784	Tissue-Tek® Accu-Edge® Brain Blade 325 mm; 5/cs



Tissue-Tek® Accu-Edge® Replaceable Blade Scissors

The Tissue-Tek Accu-Edge Replaceable Blade Scissor features three disposable, easy to replace, extremely sharp blades (sharp/sharp, sharp/blunt, and blunt/blunt) for a wide variety of grossing applications.

Item Code	Description
4794	Replaceable Blade Scissors
4795	Replaceable Blade: Sharp/Sharp; 5/cs
4796	Replaceable Blade: Sharp/Blunt; 5/cs
4797	Replaceable Blade: Blunt/Blunt; 5/cs



Tissue-Tek® NEUTRALEX®

Tissue-Tek Neutralex Aldehyde Control System is the ONLY hazardous waste treatment technology certified by the California EPA for safe drain disposal of formalin waste. Formalin waste is transferred to a collection container and treated with a pre-measured amount of Tissue-Tek NEUTRALEX to neutralize hazardous waste. After being tested, the formalin may be disposed according to local regulations.

Item Code	Description
4046	Tissue-Tek® NEUTRALEX® Starter Pack; 16 pouches,
	container, test kit
4047	Tissue-Tek® NEUTRALEX®; 16/cs
4050	Tissue-Tek® NEUTRALEX® Aldehyde Test Kit; 100 test strips
4276	Tissue-Tek® NEUTRALEX® Reaction Container
4278	Tissue-Tek® NEUTRA-WIPES® Starter Pack; 1 dispenser,
	1 roll of wipes
4279	Tissue-Tek® NEUTRA-WIPES®; 4 rolls
4295	Tissue-Tek® NEUTRA-PADS®; 100/cs
4304	Tissue-Tek® NEUTRA-FORM®; 2/cs

Identification

Cassette and Slide Printers

Tissue-Tek® SmartWrite® Cassette Printer

Tissue-Tek® SmartWrite® Cassette Printer with AutoLoader

Tissue-Tek® SmartWrite® Slide Printer

Tissue-Tek® SmartWrite® Printer Software

Stacked Cassettes

Tissue-Tek® Paraform® Stacked Frames

Tissue-Tek® Uni-Cassette® Stacked Cassettes

Tissue-Tek® Uni-Cassette® Biopsy Stacked Cassettes

Tissue-Tek® Processing/Embedding Stacked Cassettes



Cassette Printer





Tissue-Tek® SmartWrite® Cassette Printer

The Tissue-Tek SmartWrite Cassette Printer features thermal transfer on-demand printing technology that is noise-free and print that is resistant to histological chemicals. The manual cassette loading printer also enables high-resolution and high-content barcode and alpha-numeric printing up to 300 dpi. The printer has been optimized for color or black printing on the TIssue-Tek Uni-Cassette® standard and biopsy cassettes.

Specifications	
Dimensions	
WxDxH	8.8 x 12.38 x 9.6 inches (22.4 x 31.4 x 24.4 cm)
Weight	20 lbs (9.1 kg)
Print Technology	Thermal Transfer
Print Resolution	300 dpi
Ink	Resin
Ribbon Types	Color (CMYK): 1,000 prints/Black: 4,300 prints
Output Tray Capacity	1 Cassette
Printer Driver	Windows® 8/7/ Windows Vista®/XP

FEATURES On-demand printing	BENEFITS Print at grossing station for low throughout workflow
Color and black printing options	Can combine color cassettes and color printing on white cassettes for effective inventory management
300 dpi print quality	High-content barcodes for high first-pass read
Thermal transfer printing	Noise-free and fume-free; print is resistant to histological chemicals
Small footprint	Manual printers can be located in or at the grossing station for on-demand printing
SmartWrite Software and drivers	User-defined customizable labels; prevents barcode reading errors

Item Code	Description
9022	Tissue-Tek® SmartWrite® Cassette Printer
9026	Control PC with Touchscreen
9024	2-D Barcode Scanner and Stand
9030	Tissue-Tek® SmartWrite® Print Cartridge Black; 6/cs
9038	Tissue-Tek® SmartWrite® Print Cartridge Color; 6/cs
9025	Tissue-Tek® SmartWrite® Software



Cassette Printer with AutoLoader



Tissue-Tek® SmartWrite® Cassette Printer with AutoLoader

The Tissue-Tek SmartWrite Cassette Printer with AutoLoader features thermal transfer printing technology that is noise and fume free, print that is resistant to histological chemicals, and a robotic feed that allows jam-free cassette printing every 7.5 seconds. The printer also enable high-resolution and high-content barcode and alpha numeric printing up to 300 dpi, and the SmartWrite Software and drivers provide compatibility with uni-directional and bi-directional LIS integration. The printer has been optimized for color or black printing on Tissue-Tek Stacked Uni-Cassette standard and biopsy cassettes.

Specifications	
Dimensions	
WxDxH	12 x 25.9 x 19.3 inches (30.5 x 65.8 x 49 cm)
Weight	74 lbs (33.5 kg)
Print Technology	Thermal Transfer
Print Resolution	300 dpi
Cassette Capacity	
per Hopper	40 Tissue-Tek Uni-Cassettes
Cassette Hoppers	4 clear hoppers for cassettes with and
	without lids (5 extra clear cassette hoppers
	are included)
Cassette Loading	
Mechanism	Robotic feed
Print Speed	Up to 8 cassettes/minute (black)
	Up to 5 cassettes/minute (solid colors)
	Up to 4 cassettes/minute (mixed colors)
Ink	Resin
Ribbon Types	Color (CMYK): 1,000 prints/Black: 4,300 prints
Output Tray Capacity	1 Cassette
Printer Driver	Windows® 8/7/ Windows Vista®/XP



Item Code	Description
9020	Tissue-Tek® SmartWrite® Cassette Printer with AutoLoader
9023	Tissue-Tek® SmartWrite® AutoLoader
9041	Cassette Tray Extension
9040	Cassette Hoppers; 5/cs
9026	Control PC with Touchscreen
9024	2-D Barcde Scanner and Stand
9030	Tissue-Tek® SmartWrite® Print Cartridge Black; 6/cs
9038	Tissue-Tek® SmartWrite® Print Cartridge Color; 6/cs
9025	Tissue-Tek® SmartWrite® Software

FEATURES On-demand and batch printing	BENEFITS Can be integrated into any workflow and LIS environment
Color and black printing options	Can combine color cassettes and color printing on white cassettes for effective inventory management
300 dpi print quality	High-content barcodes for high first-pass read
Robotic feed mechanism	Jam-free cassette printing
Thermal transfer printing	Noise-free and fume-free; print is resistant to histological chemicals
4,300 black prints at 8 cassettes per minute	Lowest price for throughput
Clear cassette magazine	Easy identification of cassette colors
Small footprint	Printer can be located at grossing station
SmartWrite Software and drivers	Compatible with uni-directional and bi-directional LIS integration
Easy and error-checked label and barcode design	User-defined customizable labels prevents barcode reading errors



Slide Printer





Tissue-Tek® SmartWrite® Slide Printer

The Tissue-Tek SmartWrite Slide Printer is a high resolution thermal transfer printer designed for on-demand printing of colored identifiers directly on to microscope slides for use in pathology and cytology laboratories. The uniquely formulated thermal ink provides easy to read printing that is chemically resistant and smudge proof when dry. The high resolution (300 dpi) makes it possible to print alpha numeric characters, as well as 2D barcodes and graphics. The printer is optimized for Tissue-Tek SmartWrite White Slides, Charged.

FEATURES On-demand printing	BENEFITS Streamlines workflow and reduces errors associated with batch printing
High resolution 300 dpi printing	Prints high resolution 1-2D barcodes for improved specimen legibility and tracking
Up to 8 solid color printing	Eliminates multi-color slide inventory
Thermal transfer printing	Provides chemical resistant, smudge proof labeling
Small Footprint	Allows placement of printer next to a microtome or to a cytology slide processor
Optimized for Tissue-Tek SmartWrite White Slides, Charged	Ensures high quality jam free printing at up to 9 slides per minute

Specifications	
Slide Printer Speed	Up to 9 slide/minute (black)
	Up to 5 slides/minute (solid colors)
	Up to 4 slides/minute (blended colors)
Resolution	300 dpi
Printing Technology	Thermal transfer
Dimensions	
$W \times D \times H$	7.08 x 12.58 x 8.6 inches (17.98 x 31.95 x 21.84 cm)
Weight	16.8 lbs (7.62 kg)
Slide Capacity	100 slides - Blue Slide Holder
Output Tray Capacity	15 Slides
Ink Type	Resin thermal transfer
Ribbon Types	CMYK: 1,000 prints; Black: 5,000 prints
Printer Drivers	Windows® 8/7/ Windows Vista®/XP
Data Interface	USB 2.0
Power Requirements	100-240 VAC, 50/60 Hz, 60 watts

Item Code	Description
9021	Tissue-Tek® SmartWrite® Slide Printer
9024	2D Barcode Scanner
9025	Tissue-Tek® SmartWrite® Software
9026	Touch Screen PC
9027	Slide Holder, Blue
9030	Print Cartridge Black; 6/cs
9031	Print Cartridge Color; 6/cs
9032	Print Head Cleaning Pen; 5/cs
9033	Tissue-Tek® SmartWrite® White Slides; 1,000/cs
9034	Tissue-Tek® SmartWrite® White Slides - Charged; 1,000/cs



Printer Software



Tissue-Tek® SmartWrite® Printer Software

Tissue-Tek SmartWrite Software is a laboratory printing application for printing cassettes, slides, and labeling guides. The application prints to a variety of printers varying from black/white to color. SmartWrite Software includes integration components that provide the ability to receive messages from an LIS for the purpose of printing cassettes and slides. Users have the ability to enter label specific data and see a preview with options to print as needed.

Item Code	Description
9025	Tissue-Tek® SmartWrite® Software; 1 license

FEATURES	BENEFITS
Compatible with LIS integration	Allows lab staff to gather patient and specimen data directly from the LIS to use in cassette and slide printing operations
Template construction ability	Enables lab to design templates that define the information required including fixed and variable fields
1D and 2D barcode creation capability	Supports integration of alpha numeric data into barcode for downstream automation
Control multiple types of Sakura printers	Operates the SmartWrite Slide Printer, SmartWrite Cassette Printers, and AutoWrite Cassette Printer within one software
Field population options	Allows the population of fields by either reading a barcode or entering data via key board or touch screen

Tissue-Tek® Paraform® Stacked Frames Each 400/case consists of 10 sleeves x 40 cassettes per case

Item Code	Description
7070	Tissue-Tek® Paraform® Stacked Frames Aqua; 400/cs
7071	Tissue-Tek® Paraform® Stacked Frames Blue; 400/cs
7072	Tissue-Tek® Paraform® Stacked Frames Gray; 400/cs
7073	Tissue-Tek® Paraform® Stacked Frames Gold; 400/cs
7074	Tissue-Tek® Paraform® Stacked Frames Green; 400/cs
7075	Tissue-Tek® Paraform® Stacked Frames Lilac; 400/cs
7076	Tissue-Tek® Paraform® Stacked Frames Orange; 400/cs
7077	Tissue-Tek® Paraform® Stacked Frames Pink; 400/cs
7078	Tissue-Tek® Paraform® Stacked Frames Red; 400/cs
7079	Tissue-Tek® Paraform® Stacked Frames Tan; 400/cs
7080	Tissue-Tek® Paraform® Stacked Frames White; 400/cs
7081	Tissue-Tek® Paraform® Stacked Frames Yellow; 400/cs

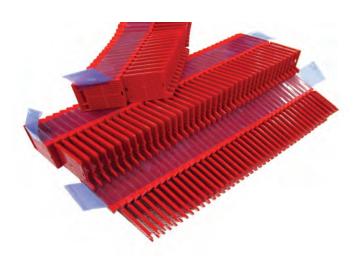


Tissue-Tek® Uni-Cassette® Stacked Cassettes Each 400/case consists of 10 sleeves x 40 cassettes per case

	on
8117 Tissue-Tek® L	Jni-Cassette® Stacked Cassettes Orange; 400/cs
8118 Tissue-Tek®	Uni-Cassette® Stacked Cassettes Lilac; 400/cs
8119 Tissue-Tek®	Uni-Cassette® Stacked Cassettes Gold; 400/cs
8120 Tissue-Tek® U	Jni-Cassette® Stacked Cassettes Aqua; 400/cs
8135 Tissue-Tek®	Uni-Cassette® Stacked Cassettes Red; 400/cs
8153 Tissue-Tek®	Uni-Cassette® Stacked Cassettes Tan; 400/cs
8154 Tissue-Tek® L	Jni-Cassette® Stacked Cassettes Yellow; 400/cs
8155 Tissue-Tek®	Uni-Cassette® Stacked Cassettes Pink; 400/cs
8156 Tissue-Tek® U	Jni-Cassette® Stacked Cassettes Green; 400/cs
8157 Tissue-Tek®	Uni-Cassette® Stacked Cassettes Blue; 400/cs
8170 Tissue-Tek® U	Jni-Cassette® Stacked Cassettes White; 400/cs
8180 Tissue-Tek® L	Jni-Cassette® Stacked Cassettes Gray; 400/cs

Tissue-Tek® Uni-Cassette® Biopsy Stacked Cassettes Each 400/case consists of 10 sleeves x 40 cassettes per case

Item Code	Description
8045	Tissue-Tek® Uni-Cassette® Biopsy Stacked Red; 400/cs
8086	Tissue-Tek® Uni-Cassette® Biopsy Stacked White; 400/cs
8087	Tissue-Tek® Uni-Cassette® Biopsy Stacked Blue; 400/cs
8088	Tissue-Tek® Uni-Cassette® Biopsy Stacked Yellow; 400/cs
8090	Tissue-Tek® Uni-Cassette® Biopsy Stacked Orange; 400/cs
8172	Tissue-Tek® Uni-Cassette® Biopsy Stacked Grey; 400/cs
8174	Tissue-Tek® Uni-Cassette® Biopsy Stacked Green; 400/cs



Tissue-Tek® Processing/Embedding Stacked Cassettes

Each 400/case consists of 10 sleeves x 40 cassettes per case

Item Code	Description
8125	Tissue-Tek® Processing/Embedding Stacked Tan; 400/cs
8126	Tissue-Tek® Processing/Embedding Stacked Orange; 400/cs
8127	Tissue-Tek® Processing/Embedding Stacked Lilac; 400/cs
8128	Tissue-Tek® Processing/Embedding Stacked Gold; 400/cs
8129	Tissue-Tek® Processing/Embedding Stacked Aqua; 400/cs
8179	Tissue-Tek® Processing/Embedding Stacked Yellow; 400/cs
8180	Tissue-Tek® Processing/Embedding Stacked Gray; 400/cs
8182	Tissue-Tek® Processing/Embedding Stacked Pink; 400/cs
8183	Tissue-Tek® Processing/Embedding Stacked Green; 400/cs
8184	Tissue-Tek® Processing/Embedding Stacked Blue; 400/cs
8187	Tissue-Tek® Processing/Embedding Stacked White; 400/cs

Tissue Processing

Continuous Rapid Tissue Processors

Tissue-Tek Xpress[®] *x50* Continuous Rapid Tissue Processor Tissue-Tek Xpress[®] *x120* Continuous Rapid Tissue Processor

Vacuum Infiltration Processors

Tissue-Tek VIP® 6

Tissue-Tek® Processing Solvents

Tissue-Tek VIP° Fixative
Tissue-Tek ClearFIX°

Tissue-Tek® Paraffin Wax

Tissue-Tek VIP® Paraffin



Continuous Rapid Tissue Processors





Specifications			
Throughput			
Xpress x50	Up to 50 specimens per hour		
Xpress x120	Up to 120 specimens per hour		
Dimensions			
WxDxH			
Xpress x50	33.5 x 28 x 64.2 inches (85 x 71 x 163 cm)		
Xpress x120	67 x 28 x 64.2 inches (170 x 71 x 163 cm)		
Weight			
Xpress x50	617.4 lbs (280 kg)		
Xpress x120	1,014.2 lbs (460 kg)		
Retorts			
Xpress x50			
Load station	1 station		
Retorts stations	2 retort		
Xpress x120			
Load station	1 station		
Retorts	4 retorts		
Unload stations	2 stations		
Capacity			
Xpress x50			
Continuous loading	Up to 40 cassettes, every 45 minutes		
Xpress x120			
Continuous loading	Up to 40 cassettes, every 20 minutes		
Processing Programs			
Xpress x50	Standard up to 2mm; 90 minutes or		
	Extended up to 3mm; 180 minutes		
Xpress x120	Standard up to 2mm; 60 minutes or		
	Extended up to 3mm; 120 minutes		
Temperature Ranges			
Processing reagents	61°C ± 2°C		
Paraffin	65°C ± 2°C		
Display	Color touch screen LCD display		
Software	Process Monitor Screen		
	Manual and Auto start		
	Reagent Management System with		

counter for cassette or runs

Tissue-Tek Xpress[®] x Series Continuous Rapid Tissue Processors

The advanced automation of the Tissue-Tek Xpress Continuous Rapid Tissue Processor continues with the next generation of the Xpress platform: Tissue-Tek Xpress x Series, are the only rapid tissue processors that allow continuous processing to streamline the histology workflow and safe tissue handling. With the improved reagent system, and software options, histopathology laboratories will achieve new levels of speed in processing, with an hourly throughput of up to 120 specimens. The Xpress xSeries uses an innovative, low-wattage microwave technology, improved, molecular-friendly reagents and traditional vacuum infiltration techniques to provide consistent, superior results in record time. The speed and continuous throughput of the Tissue-Tek Xpress x Series allow an even distribution of cases throughout the day, making workloads more manageable. Specimen slides now make their way to the pathologist faster than ever, enabling same-day diagnosis and thus drastically reducing patient stay and anxiety.

The Tissue-Tek Xpress *x* Series eliminates the use of formalin and xylene on the processor, minimizing waste management costs. The *x* Series reagents are molecular friendly, preserving DNA, RNA and proteins in the paraffin block, thus eliminating the need to use fresh tissue for molecular studies. The reagents provide excellent morphology, sharp nuclear detail and crisp cellular images equal to or better than conventional tissue processing. Compatible with special staining and immunohistochemistry methods, these reagents can often eliminate the need for antigen retrieval.

FEATURES	BENEFITS
Continuous loading of magazines	Provides a steady flow of
every 20 minutes (x120) or 45 minutes (x50)	processed tissues for embedding
The x Series are pre-programmed	Allows for biopsy and larger
with two rapid protocols: standard	tissues to be processed
and extended	simultaneously
The x Series reagents are	Makes exchanging of reagents
prepackaged in container that are	quick, safe, and simple
placed directly onto the instrument	quick, saie, and simple
,	
Tissue-Tek Xpress proprietary	Allows for a greener work
reagents are formalin- and xylene-	environment by eliminating
free	exposure to harsh chemicals and
	reduces waste



Visually Monitor Processing



Simple Touch Screen Operation



Continuous Loading (up to 40 cassettes)



Independent, Multi-Retort Processing

Item Code	Description
item Code	Description
7750	Tissue-Tek Xpress® x50 Continuous Rapid Tissue Processor
	115 VAC±10%; 50/60Hz, Single Phase, 15 Amps
7720	Tissue-Tek Xpress® x120 Continuous Rapid Tissue Processor
	200 VAC±10%; 50/60 Hz , Single Phase, 15 Amps
7103	40-Cassette Basket with Handle and Lid
7104	40-Cassette Basket Lid
7106	Tray Liners; 100/cs
7107	Activated Carbon Filter for x120
6160	Activated Carbon Filter for x50
7108	Loading Station Container with Lid
7109	Basket Transportation Tray
7115	Pre-Processing Solution; 4 x 3.8L
7117	Pre-Processing Fixative; 4 x 3.8L
7120	Molecular Fixative; 4 x 3.8L
7122	Molecular Fixative, Prefills; 100 x 20mL
7150	Xpress® Processing Reagent Set; Set of 4
7730	Xpress® x120 Reagent Set; Set of 4
7760	Xpress® x50 Reagent Set; Set of 2
7139	x120, Uninterrupted Power Supply (90 seconds)
7011	x120, Uninterrupted Power Supply (1.5 hours)
7146	x50, Uninterrupted Power Supply (10 minutes)
7148	x50, Uninterrupted Power Supply (1 hour)
1550	Scraper, Large
4800	Grossing Board
4801	Grossing Board, Large
4802	Grossing Wells
4803	Grossing Fork 1.5 mm
4804	Grossing Fork 2.0 mm
4807	Grossing Fork 2.5 mm
4814	Cleaning Brush
4846	Tamper Set
4847	Gauge Set
4223	Biopsy Bags, Small (3 x 5 cm); 1,000/cs
4224	Biopsy Bags (4.5 x 6.5 cm); 1,000/cs
4225	Biopsy Bags (7.5 x 9.5 cm); 500/cs
4295	NEUTRA-PADS [®] ; 100/cs
4785	Trimming Blade 5 inches
4786	Trimming Knife Handle
4791	Dissecting Scalpel Handle
4792	Dissecting Scalpel Blades #61, Curved Tip
4793	Dissecting Scalpel Blades #62, Pointed Tip



Vacuum Infiltration Processor



Specifications		
Capacity	Up to 300 cassettes	
Dimensions		
WxDxH	24 x 25 x 52 inches (61 x 63 x 133 cm)	
Weight	364 lbs (165 kg)	
Reagent Reservoirs	14 (including waste and cleaning)	
Bulk Reservoirs	2 fixed; 10.8 L each	
Paraffin Reservoirs	4	
Waste Containers	2; 1 reagent and 1 paraffin wax	
Reagent Management System 3 reagents including paraffin was		
Level Sensors	4; 150-cassettes, 300-cassettes,	
	cleaning and overfill	
Display	Color Touch Screen	

Tissue-Tek VIP® 6 Vacuum Infiltration Processor

Sakura continues to exceed expectations with the latest generation traditional tissue processors by making the system easier to use, with increased user safety while not compromising on quality and reliability. The VIP 6 is the most reliable traditional tissue processor, providing increased value to the workflow and operations of your laboratory.

FEATURES

The VIP has flexible programming for temperature, mixing, reagent exchange and up to 14 steps per method

The VIP Series are the most reliable and high quality Tissue processors on the market, with a mean time between repairs of 52 weeks

Customer determined solution management system allows for automated reagent exchange while the system is in process

BENEFITS

Allows for rapid and conventional protocols to meet all tissue processing needs

Eliminates downtime and unexpected tissue reprocessing due instrument malfunction

Saves on reagents

Item Code	Description
6030	Tissue-Tek VIP® 6; 115 V, 50/60 Hz
1550	Scraper, large
6034	Scraper, small
6035	Reagent Bottle, complete
6036	1 Set of Bottle Labels; 10 x 8 colors
6045	1 Set of Paraffin Waste Bags; 12/cs
6160	Activated Carbon Filter; 2/cs
6033	Uninterrupted Power Supply (30 minutes)



Simple Touch Screen Operation



Fill/Drain Ports



Paraffin Waste and Removable Paraffin Reservoirs

Tissue-Tek VIP® Fixative



Tissue-Tek VIP Fixative is designed to provide the desirable features of buffered formaldehyde fixation, while staying in solution when introduced to alcohol. VIP Fixative can be used as the primary and sole fixative for any routine, immunohistochemical and special stained specimens. It can also be used as a secondary fixative or be used on a traditional tissue processors.

Item Code	Description
5989	Tissue-Tek VIP® Fixative; 2.5 gallon cube
5990	Tissue-Tek VIP® Fixative; 4 x 1 gallon
5991	Tissue-Tek VIP® Fixative; 5 gallon cube
5992	Spigot

Tissue-Tek VIP® Paraffin



Tissue-Tek VIP Paraffin's unique composition allows for reduced compression sections as thin as 2µm. The low melting point 132.8 °F (56°C) protects samples from heat damage. Will not discolor under normal processing conditions. Leaves no plasticizer residue to clog paraffin lines in tissue processors and embedding centers. Supplied in small pellets for rapid melting.

Item Code	Description
4005	Tissue-Tek VIP® Paraffin; 8 x 1 kg 132.8-134.6 °F (56-57 °C)
7052 Tissue-Tek® Paraform® Processing/Embedding Medium,	
	Formula 3; 8 x 1 kg 132.8-136.4 °F (56-58 °C)

Tissue-Tek ClearFIX®



Tissue-Tek ClearFIX is a high-quality 10% neutral buffered formalin fixative designed to provide the desirable features of buffered formaldehyde fixation, while staying in solution.

ClearFIX can be used as the primary and sole fixative for any routine, immunohistochemical and special stained specimens. It can also be used as a secondary fixative or be used on traditional tissue processors.

Item Code	Description
5996	Tissue-Tek ClearFIX°; 4 x 1 gallon
5998	Tissue-Tek ClearFIX°; 5 gallon





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Tissue Embedding

Tissue-Tek AutoTEC® and Paraform®

Tissue-Tek AutoTEC® Embedding System
Tissue-Tek® Paraform® Cassette System

Tissue Embedding Console System

Tissue-Tek[®] TEC[™] 5
Tissue-Tek[®] TEC[™] Plus Cryo Console

Tissue-Tek[®] Quick-Ray™

Tissue-Tek® Cassette Systems

Tissue-Tek® Embedding Rings

Tissue-Tek® Biopsy Bags

Tissue-Tek® Marking Pencil

Tissue-Tek® Nanomold™ Basemolds

Tissue-Tek® Mold Release

Tissue-Tek® Base Mold System



Automated Embedding System and Sectionable Cassette System



Tissue-Tek AutoTEC® Automated Embedding System

The Tissue-Tek AutoTEC System is the only fully automated tissue embedder.

The Tissue-Tek AutoTEC System automates and standardizes the tissue embedding process to provide faster embedded tissues that are ready for sectioning, resulting in rapid turnaround time for quicker patient analysis.

Specifications			
Throughput	Up to 120 Paraform cassettes per hour		
Dimensions			
WxDxH	54 x 30 x 60.6 inches (137 x 76 x 154 cm)		
Weight	386 lbs (850 kg)		
Number of Stations			
Load	4 magazines		
Unload	4 magazines		
Base Molds	8 Paraform Standard Cassettes		
	8 Paraform Biopsy/Orientation Cassettes		
	8 Paraform 13 x 13 Biopsy Cassettes		
Capacity			
Loading	120 Paraform Cassettes, continuously		
	loading		
Unloading	120 Paraform Cassettes, continuously		
	unloading		
Paraffin wax	Up to 5.4 L		
Temperature			
Paraffin Wax	140 - 158 °F / 60 - 70 °C (1°C increments)		

FEATURES	BENEFITS
Continuous loading of magazines	Provides a steady flow of blocks to
every 20 minutes	microtomy, reducing bottlenecks
2 sizes of magazine can	Allows for the grouping of large
accommodate up to 20 or 32	cases or client groups
cassettes	
The AutoTEC automates repetitive	Reduces repetitive motion stress,
manual motion of embedding	supports efficient workflow, and
	Six Sigma Lean processing
The Paraform Sectionable cassettes	Eliminates the risk of lost
system orientates and secures the	specimens and standardizes
tissue	tissue orientation
The three base molds support	Allows for mixed tissue specimen
6 different cassette (13 x 13,	to be embedded per their
Biopsy, Standard, Biopsy, Shaved,	pre-programmed protocol
Orientation, Core)	
The AutoTEC has remote	Maximizes instrument uptime and
monitoring capabilities through	reduces service cost
Tissue-Tek iSupport™	

The Tissue-Tek® Paraform® Sectionable Cassette System

The Tissue-Tek Paraform Sectionable Cassette System is used in conjunction with the fully automated Tissue-Tek Xpress x Series (Tissue Processing) and Tissue-Tek AutoTEC (Tissue Embedding) to provide a complete and secure tissue processing from grossing to diagnosing.

- The 6 innovative inserts provides a unique environment for accurate tissue orientation
 - -13 x 13 Biopsy, Standard, Biopsy, Shaved, Orientation, Core
- Cassette frames can be easily placed on the Tissue-Tek®
 AutoWrite® printer or most cassette printer
- Allows for minimal tissue handling, once the tissue is orientated in the cassette at the grossing station no further tissue manipulation is required
- The Paraform cassettes can be easily faced by Sakura or other manufactures' microtome blades



Paraform Sectionable Cassettes



Continuous Loading of Magazines



Automated Paraffin Dispensing



Embedded Blocks in Output Door

Item Code	Description
7000	Tissue-Tek AutoTEC® Automated Embedding System;
	100 V, 50/60 Hz
7001	Tissue-Tek AutoTEC® Automated Embedding System;
	115 V, 50/60 Hz
7002	Tissue-Tek AutoTEC® Automated Embedding System;
	230 V, 50/60 Hz
7005	Tissue-Tek AutoTEC® 32-Cassette Magazine (for VIP); 4/cs
7006	Tissue-Tek AutoTEC® 20-Cassette Magazine (for Xpress); 4/cs
7007	Tissue-Tek AutoTEC® Magazine Handle (for Xpress); 6/cs
7008	Tissue-Tek AutoTEC® Output Door; 2/cs
7052	Tissue-Tek® Paraform® Processing/Embedding Medium;
	8 x 1 kg/cs

Item Code	Description
7015	Tissue-Tek® Paraform® Cassette Tamper
7019	Tissue-Tek® Paraform® 13 x 13 Biopsy Cassette; 500/cs
7020	Tissue-Tek® Paraform® Biopsy Cassette; 500/cs
7021	Tissue-Tek® Paraform® Standard Cassette; 500/cs
7022	Tissue-Tek® Paraform® Orientation Cassette; 500/cs
7023	Tissue-Tek® Paraform® Shaved Biopsy Cassette; 500/cs
7024	Tissue-Tek® Paraform® Core Biopsy Cassette; 500/cs
7026	Tissue-Tek® Paraform® Foam Inserts; 500/cs
7030	Tissue-Tek® Paraform® Frames Aqua; 500/cs
7031	Tissue-Tek® Paraform® Frames Blue; 500/cs
7032	Tissue-Tek® Paraform® Frames Gray; 500/cs
7033	Tissue-Tek® Paraform® Frames Gold; 500/cs
7034	Tissue-Tek® Paraform® Frames Green; 500/cs
7035	Tissue-Tek® Paraform® Frames Lilac; 500/cs
7036	Tissue-Tek® Paraform® Frames Orange; 500/cs
7037	Tissue-Tek® Paraform® Frames Pink; 500/cs
7038	Tissue-Tek® Paraform® Frames Red; 500/cs
7039	Tissue-Tek® Paraform® Frames Tan; 500/cs
7040	Tissue-Tek® Paraform® Frames White; 500/cs
7041	Tissue-Tek® Paraform® Frames Yellow; 500/cs
7052	Tissue-Tek® Paraform® Processing/Embedding Medium
	Formula 3; 8 x 1 kg/cs
7055	Tissue-Tek® Paraform® Standard Base Mold; 12/cs
7056	Tissue-Tek® Paraform® Biopsy/Core/Shaved/Orientation
	Base Mold; 12/cs
7057	Tissue-Tek® Paraform® Biopsy 13 x 13 Base Mold; 12/cs
7089	Accu-Edge® Paraform® Disposable Microtome Blade;
	10 x 50/cs
7147	Uninterrupted Power Supply



Tissue Embedding Console System



Specifications	
Dimensions	
Embedding Console W x D x H	23 x 24.4 x 15 inches (59 x 62 x 38 cm)
Cryo Console W x D x H	13 x 23.2 x 15 inches (33 x 59 x 38 cm)
Cooling Plate W x D	12.2 x 15 inches (31 x 38 cm)
Weight	
Embedding Console	44 lbs (20 kg)
Cryo Console	44 lbs (20 kg)
20 kg	
Capacity	
Paraffin Chamber	4 L
Thermal Chambers	1.8 L
Cooling Plate	60 cassettes
Temperature Range	
Paraffin Chamber	122 - 158°F (50°C - 70°C)
Thermal Chambers	122 - 158°F (50°C - 70°C)
Hot Plates and Forceps Wells	122 - 158°F (50°C - 70°C)
Cooling Plate	14 - 32°F (-10°C - 0°C)

Item Code	Description
5100	Tissue-Tek® TEC™ 5 Tissue Embedding System; 115 V, 60 Hz
1550	Scraper
1551	Large Tamper
1552	Small Tamper
1553	Lamp Bulb
5781	150-Cassette Transfer Tray
5782	75-Cassette Transfer Tray
5783	Base Mold Dividers
5784	Magnifying Glass
5785	Foot Pedal Switch
5770	Electrical Forceps, 1 mm
5786	Electrical Forceps, 2 mm
5771	Electrical Forceps, 4 mm
5787	Removable Hot Plate

Tissue-Tek® TEC™ 5 Tissue Embedding Console System

The Tissue-Tek TEC 5 is a robust and ergonomic, semi-automated tissue embedding system. The system is comprised of the Tissue-Tek 5 Embedding Console and the Tissue-Tek Plus Cryo Console, which can be attached on the left or right side allowing for a streamline workflow. The Tissue-Tek TEC 5 is the ideal semi-automated tissue embedder for all size laboratories.

FEATURES Automated start-up and shut-down capabilities	BENEFITS Enables the system to be ready on schedule
Precise temperature control in heating and cooling chambers in increments of 1°C	Provides precise working temperatures and fast cooling of blocks
Easy adjustable paraffin flow rate	Creates consistent paraffin blocks
Quiet cooling compressor	Allows for a quieter work environment



Tissue-Tek® TEC™ Plus Cryo Console

The Tissue-Tek TEC Plus Cryo Console consists of the cooling plate to cool and solidify paraffin blocks after completion of tissue embedding, and the electrical control section and control panel to control and monitor the temperature for the cooling plate.

Specifications	
Dimensions:	
WxDxH	15 x 22 x 15 inches (38 x 56 x 38 cm)
Weight	48.8 lbs (22 kg)
Capacity	Up to 60 blocks
Temperature Range	14 - 32 °F (-10 - 0 °C)

Item Code	Description
5250	Tissue-Tek® TEC™ Plus Cryo Console; 115 V, 60 Hz



Tissue Microarray System





Tissue-Tek[®] Quick-Ray™

The Tissue-Tek Quick-Ray is a tissue microarray system (TMA); it is the only system to use a "ready to use" paraffin recipient block, that produces superior quality tissue microarrays in less time than traditional methods.

- Tissues are extracted by the precise hollowed punch tip
- 4 sizes of punch tips are provided (1, 2, 3, 5 mm)
- 4 sizes of preformed paraffin recipient blocks
- Precise positioning in the preformed recipient blocks
- Each recipient blocks creates 300-400 sections at 4-5 μ m The Quick-Ray TMA is the ideal device to produce reliable and consistent control blocks at an economical cost.

The Tissue-Tek® Quick-Ray™ System offers you:

- Ready-to-use paraffin recipient blocks
- · Compact design and versatility
- No dedicated space required for TMA block formation

Item Code	Description
8010	Tissue-Tek® Quick-Ray™ Tissue Microarray System
8011	Tissue-Tek® Quick-Ray™ Punch Guide 1 mm
8012	Tissue-Tek® Quick-Ray™ Punch Tip 1 mm
8013	Tissue-Tek® Quick-Ray™ Punch Tip 2 mm
8014	Tissue-Tek® Quick-Ray™ Punch Tip 3 mm
8015	Tissue-Tek® Quick-Ray™ Punch Tip 5 mm
8016	Tissue-Tek® Quick-Ray™ Recipient Block 1 mm
8017	Tissue-Tek® Quick-Ray™ Recipient Block 2 mm
8018	Tissue-Tek® Quick-Ray™ Recipient Block 3 mm
8019	Tissue-Tek® Quick-Ray™ Recipient Block 5 mm
8020	Tissue-Tek® Quick-Ray™ Recipient Base Mold; 3/cs

Tissue-Tek® Paraform® Sectionable Cassette System



The novel, innovative Tissue-Tek Paraform Sectionable Cassette System eliminates the need to perform manual steps at the embedding center. Using Tissue-Tek Paraform in combination with the Tissue-Tek AutoTEC Automated Embedder allows the automation of the time consuming, manual process of embedding. The unique Tissue-Tek Paraform Cassette System consists of an outer frame that is compatible with all commercially available cassette printers and microtome chucks, and an inner cassette, which is made of Paraform material. The cassette preserves the orientation of the tissue sample from grossing through sectioning, eliminating the risk of orientation errors or losing tissue samples. A unique feature of Paraform is that it is easy to section, just like paraffin wax.

The Paraform Cassette is compatible with all existing laboratory methods and manual embedding processes. In addition, it can accommodate a variety of specimens, even those requiring special orientation (e.g. skin or arterial specimens), in one of the six available cassette types: Standard, Biopsy, Biopsy 13 x 13, Shaved Biopsy, Core Biopsy, and Orientation.

Item Code	Description
7015	Tissue-Tek® Paraform® Cassette Tamper
7019	Tissue-Tek® Paraform® 13 x 13 Biopsy Cassette; 500/cs
7020	Tissue-Tek® Paraform® Biopsy Cassette; 500/cs
7021	Tissue-Tek® Paraform® Standard Cassette; 500/cs
7022	Tissue-Tek® Paraform® Orientation Cassette; 500/cs
7023	Tissue-Tek® Paraform® Shaved Biopsy Cassette; 500/cs
7024	Tissue-Tek® Paraform® Core Biopsy Cassette; 500/cs
7026	Tissue-Tek® Paraform® Foam inserts; 500/cs
7030	Tissue-Tek® Paraform® Frames Aqua; 500/cs
7031	Tissue-Tek® Paraform® Frames Blue; 500/cs
7032	Tissue-Tek® Paraform® Frames Gray; 500/cs
7033	Tissue-Tek® Paraform® Frames Gold; 500/cs
7034	Tissue-Tek® Paraform® Frames Green; 500/cs
7035	Tissue-Tek® Paraform® Frames Lilac; 500/cs
7036	Tissue-Tek® Paraform® Frames Orange; 500/cs
7037	Tissue-Tek® Paraform® Frames Pink; 500/cs
7038	Tissue-Tek® Paraform® Frames Red; 500/cs
7039	Tissue-Tek® Paraform® Frames Tan; 500/cs
7040	Tissue-Tek® Paraform® Frames White; 500/cs
7041	Tissue-Tek® Paraform® Frames Yellow; 500/cs

Item Code	Description
7052	Tissue-Tek® Paraform® Processing/Embedding Medium
	Formula 3; 8 x 1 kg
7055	Tissue-Tek® Paraform® Standard Base Mold; 12/cs
7056	Tissue-Tek® Paraform® Biopsy/Core/Shaved/Orientation
	Base Mold; 12/cs
7057	Tissue-Tek® Paraform® Biopsy 13 x 13 Base Mold; 12/cs
7089	Tissue-Tek® Paraform® Disposable Microtome Blade; 10 x 50/cs

FEATURES

The 6 innovative cassette inserts (13 x 13 Biopsy, Standard, Biopsy, Shaved, Orientation, Core) secures the tissue through processing and embedding

BENEFITS

Prevents loss of tissue and misorientation during processing and embedding

The cassettes can be printed and barcoded at grossing, providing accurate tracking of specimens.

Reduces risk of lost or mislabeled specimen through the processing and embedding process

The Paraform cassettes can be easily faced by Sakura or other manufactures microtome blades

Eliminates the need to change the current implemented sectioning process

The Paraform cassettes can be utilized on most conventional processors, rapid processors, manual, and automated embedding systems

Minimizes changes in present implemented processing or embedding systems

Tissue-Tek® Uni-Cassette® System



The Tissue-Tek Uni-Cassette System is utilized to provide specimen identification and security from the grossing station to the paraffin block.

- · Designed for maximum fluid exchange during processing
- · Contains a base and attached lid, which is easily removed
- Manufactured from chemical-resistant plastic, including solvents and decalcifying solutions, Uni-Cassettes come in two sizes of writing surfaces and can be print on with the Tissue-Tek® AutoWrite® and most cassette printers

Item Code	Description
4117-01	Tissue-Tek® Uni-Cassette® Orange; 2 x 250/cs
4117-02	Tissue-Tek® Uni-Cassette® Orange; Large Writing Surface;
	2 x 250/cs
4118-01	Tissue-Tek® Uni-Cassette® Lilac; 2 x 250/cs
4118-02	Tissue-Tek [®] Uni-Cassette [®] Lilac; Large Writing Surface; 2 x 250/cs

Item Code	Description
4119-01	Tissue-Tek® Uni-Cassette® Gold; 2 x 250/cs
4119-02	Tissue-Tek® Uni-Cassette® Gold; Large Writing Surface;
	2 x 250/cs
4120-01	Tissue-Tek® Uni-Cassette® Aqua; 2 x 250/cs
4120-02	Tissue-Tek® Uni-Cassette® Aqua; Large Writing Surface;
	2 x 250/cs
4135-01	Tissue-Tek® Uni-Cassette® Red; 2 x 250/cs
4135-02	Tissue-Tek® Uni-Cassette® Red; Large Writing Surface; 2 x 250/cs
4153-01	Tissue-Tek® Uni-Cassette® Tan; 2 x 250/cs
4153-02	Tissue-Tek® Uni-Cassette® Tan; Large Writing Surface; 2 x 250/cs
4154-01	Tissue-Tek® Uni-Cassette® Yellow; 2 x 250/cs
4154-02	Tissue-Tek® Uni-Cassette® Yellow; Large Writing Surface;
	2 x 250/cs
4155-01	Tissue-Tek® Uni-Cassette® Pink; 2 x 250/cs
4155-02	Tissue-Tek® Uni-Cassette® Pink; Large Writing Surface;
	2 x 250/cs
4156-01	Tissue-Tek® Uni-Cassette® Green; 2 x 250/cs
4156-02	Tissue-Tek® Uni-Cassette® Green; Large Writing Surface;
	2 x 250/cs
4157-01	Tissue-Tek® Uni-Cassette® Blue; 2 x 250/cs
4157-02	Tissue-Tek® Uni-Cassette® Blue; Large Writing Surface; 2 x 250/cs
4170-01	Tissue-Tek® Uni-Cassette® White; 6 x 250/cs
4170-02	Tissue-Tek® Uni-Cassette® White; Large Writing Surface;
	6 x 250/cs
4171-01	Tissue-Tek® Uni-Cassette® White; with One Storage Cabinet;
	6 x 250/cs
4171-02	Tissue-Tek® Uni-Cassette® White; with One Storage
	Cabinet; Large Writing Surface; 6 x 250/cs
4180-01	Tissue-Tek® Uni-Cassette® Gray; 2 x 250/cs
4180-02	Tissue-Tek® Uni-Cassette® Gray; Large Writing Surface;
	2 x 250/cs

Tissue-Tek [®]	Uni-Cassette [®]	Biopsy	Cassette
System			



The Tissue-Tek Uni-Cassette Biopsy Cassette System have a snaplatch and hinge-lock cover to prevent the premature separation of lid and base during the processing of small biopsy specimens.

- Biopsy cassettes have 1 mm pores, which eliminates wrapping small specimens
- Uni-Cassettes come in two sizes of writing surfaces and can be printed on with the Tissue-Tek® AutoWrite® and most cassette printers

Item Code	Description
4045	Tissue-Tek® Uni-Cassette® Biopsy Red; 2 x 250/cs
4086	Tissue-Tek® Uni-Cassette® Biopsy White; 2 x 250/cs
4087	Tissue-Tek® Uni-Cassette® Biopsy Blue; 2 x 250/cs
4088	Tissue-Tek® Uni-Cassette® Biopsy Yellow; 2 x 250/cs
4090	Tissue-Tek® Uni-Cassette® Biopsy Orange; 2 x 250/cs
4172	Tissue-Tek® Uni-Cassette® Biopsy Gray; 2 x 250/cs
4174	Tissue-Tek® Uni-Cassette® Biopsy Green; 2 x 250/cs

Tissue-Tek® Processing/Embedding Cassette System



The coverless Tissue-Tek Processing/Embedding Cassettes are cassette bases without lids designed to be used with the reusable metal lids or as a support structure for the paraffin block.

- Available in 11 colors including clear
- Cassettes are designed for maximum fluid exchange during processing.

Item Code	Description
4125	Tissue-Tek® Processing/Embedding Cassette Tan; 3 x 500/cs
4126	Tissue-Tek® Processing/Embedding Cassette Orange; 3
	x 500/cs
4127	Tissue-Tek® Processing/Embedding Cassette Lilac; 3 x 500/cs
4128	Tissue-Tek® Processing/Embedding Cassette Gold; 3 x
	500/cs
4129	Tissue-Tek® Processing/Embedding Cassette Aqua; 3 x
	500/cs
4179	Tissue-Tek® Processing/Embedding Cassette Yellow; 3 x
	500/cs
4182	Tissue-Tek® Processing/Embedding Cassette Pink; 3 x 500/cs
4183	Tissue-Tek® Processing/Embedding Cassette Green; 3 x
	500/cs
4184	Tissue-Tek® Processing/Embedding Cassette Blue; 3 x 500/cs
4187	Tissue-Tek® Processing/Embedding Cassette White; 3 x
	500/cs
4189	Tissue-Tek® Processing/Embedding Cassette White with 1
	storage cabinet; 3 x 500/cs
4190	Tissue-Tek® Processing/Embedding Cassette Clear with 1
	storage cabinet; 3 x 500/cs
4191	Tissue-Tek* Processing/Embedding Cassette Clear; 3 x 500/cs
4194	Tissue-Tek® Processing/Embedding Cassette Cover; 25/cs

Histo-Tek[®] Cassettes with Lid Attached and Lid Detached

Histo-Tek Cassettes offer your lab a secure, efficient, and economical solution for tissue processing in the form of standard and biopsy cassettes. Sure-locking lids and closure guides prevent premature separation of lid and base during processing. Plastic disposable lids, easily removable with a twist, eliminate the need for cleaning. Histo-Tek Cassettes are resistant to solvent and decalcifying solutions, and have unlimited applications, including identifying surgical specimens from autopsies, STAT biopsies, and frozen sections. For biopsy needs, Histo-Tek biopsy cassettes feature 1 mm pores instead of slots, eliminating the need to wrap most small specimens and greatly reducing the risk of specimen loss.

Histo-Tek® Cassettes with Lid Attached



Item Code	Description
9220	Histo-Tek® Standard with Lid Attached Aqua; 1000/cs
9221	Histo-Tek® Standard with Lid Attached Blue; 1000/cs
9222	Histo-Tek® Standard with Lid Attached Gold; 1000/cs
9223	Histo-Tek® Standard with Lid Attached Green; 1000/cs
9224	Histo-Tek® Standard with Lid Attached Lilac; 1000/cs
9225	Histo-Tek® Standard with Lid Attached Orange; 1000/cs
9226	Histo-Tek® Standard with Lid Attached Pink; 1000/cs
9227	Histo-Tek® Standard with Lid Attached Red; 1000/cs
9228	Histo-Tek® Standard with Lid Attached Tan; 1000/cs
9229	Histo-Tek® Standard with Lid Attached White; 1000/cs
9230	Histo-Tek® Standard with Lid Attached Yellow; 1000/cs
9233	Histo-Tek® Biopsy with Lid Attached Blue; 1000/cs
9234	Histo-Tek® Biopsy with Lid Attached Gray; 1000/cs
9235	Histo-Tek® Biopsy with Lid Attached Green; 1000/cs
9236	Histo-Tek® Biopsy with Lid Attached Orange; 1000/cs
9237	Histo-Tek® Biopsy with Lid Attached Red; 1000/cs
9238	Histo-Tek® Biopsy with Lid Attached White; 1000/cs
9239	Histo-Tek® Biopsy with Lid Attached Yellow; 1000/cs

Histo-Tek® Cassettes with Lid Detached



Item Code	Description
9340	Histo-Tek® Standard with Lid Detached Blue; 1000/cs
9341	Histo-Tek® Standard with Lid Detached Gray; 1000/cs
9342	Histo-Tek® Standard with Lid Detached Green; 1000/cs
9343	Histo-Tek® Standard with Lid Detached Lilac; 1000/cs
9344	Histo-Tek® Standard with Lid Detached Orange; 1000/cs
9345	Histo-Tek® Standard with Lid Detached Pink; 1000/cs
9346	Histo-Tek® Standard with Lid Detached Tan; 1000/cs
9347	Histo-Tek® Standard with Lid Detached White; 1000/cs
9348	Histo-Tek® Standard with Lid Detached Yellow; 1000/cs
9350	Histo-Tek® Biopsy with Lid Detached Blue; 1000/cs
9351	Histo-Tek® Biopsy with Lid Detached Gray; 1000/cs
9352	Histo-Tek® Biopsy with Lid Detached Green; 1000/cs
9353	Histo-Tek® Biopsy with Lid Detached Lilac; 1000/cs
9354	Histo-Tek® Biopsy with Lid Detached Orange; 1000/cs
9355	Histo-Tek® Biopsy with Lid Detached Pink; 1000/cs
9356	Histo-Tek® Biopsy with Lid Detached Tan; 1000/cs
9357	Histo-Tek® Biopsy with Lid Detached White; 1000/cs
9358	Histo-Tek® Biopsy with Lid Detached Yellow; 1000/cs

Tissue-Tek® Mega-Cassette™ System



The Tissue-Tek Mega-Cassette System (size 40 x 25 x 10 mm) is designed to provide specimen identification and security, from the grossing bench to the permanent paraffin block. Suitable for larger tissue samples, thanks to the depth (10 mm). Each cassette system is optimized for maximum fluid exchange during the processing cycle. When utilized with appropriately sized Base Molds, the cassette becomes the supporting structure of the paraffin block during embedding. Cassettes come with an attached lid.

Item Code	Description
4166	Tissue-Tek® Mega-Cassette™ Base Mold (for item 4173); 6/cs
4173	Tissue-Tek® Mega-Cassette™; 750/cs

Tissue-Tek® Embedding Rings



Item Code	Description
4113	Tissue-Tek® Embedding Rings Yellow; 1,000/cs
4114	Tissue-Tek® Embedding Rings Pink; 1,000/cs
4115	Tissue-Tek® Embedding Rings Green; 1,000/cs
4116	Tissue-Tek® Embedding Rings Blue; 1,000/cs
4151	Tissue-Tek® Embedding Rings White; 1,000/cs

Tissue-Tek® Biopsy Bags



Item Code	Description
4223	Tissue-Tek® Biopsy Bags, Small (3 x 5 cm); 1,000/cs
4224	Tissue-Tek® Biopsy Bags, Medium (4.5 x 6.5 cm); 500/cs
4225	Tissue-Tek® Biopsy Bags, Large (7.5 x 9.5 cm); 200/cs

Tissue-Tek® Marking Pencil



Item Code	Description
4160	Tissue-Tek [®] Marking Pencil; 12/cs

Tissue-Tek® NanoMold™ Base Molds



Tissue-Tek NanoMolds produce uniform paraffin blocks much quicker and release easier than traditional methods – all without the use of messy chemical mold release solutions. NanoMold stainless steel base molds are manufactured with an exclusive and patented Nano Technology coating that speeds up the embedding process helping laboratories save time, labor, and increase efficiency. Even more time savings are achieved because residual paraffin is no longer left in the molds, drastically reducing the amount of cleaning necessary. Tissue-Tek NanoMolds are available in five popular sizes to fit all of your embedding needs.

Item Code	Description
4215	Tissue-Tek® NanoMolds™ Base Molds 9x9x4 mm; 12/cs
4216	Tissue-Tek® NanoMolds™ Base Molds 15x15x4 mm; 12/cs
4217	Tissue-Tek® NanoMolds™ Base Molds 20x20x5 mm; 12/cs
4218	Tissue-Tek® NanoMolds™ Base Molds 20x26x5 mm; 12/cs
4219	Tissue-Tek® NanoMolds™ Base Molds 20x33x5 mm; 12/cs

Tissue-Tek® Mold Release



Tissue-Tek Mold Release is used for coating Base Molds to ensure clean separation of embedding paraffin from the Mold after embedding. The working solution is prepared by adding 5 mL of Mold Release Concentrate to 95 mL ethyl or isopropyl alcohol. The Molds are dipped in solution and dried prior to embedding.

Item Code	Description
4141	Tissue-Tek® Mold Release Concentrate 125 mL; 12/cs

Tissue-Tek® Base Mold System



Tissue-Tek Stainless-Steel Base Molds are designed for use with Tissue-Tek Uni-Cassette and Biopsy, along with Tissue-Tek Processing/Embedding Cassettes. The 5 mm deep Molds are made of stainless steel and are reusable. They have extended fins to prevent tipping and to provide a gripping surface for easy handling. The flat, metal bottom allows maximum heat/cold exchange to enhance embedding and releasing the paraffin block.

Item Co	ode Description
4121	Tissue-Tek® Base Mold for Embedding Rings 16 x 16 x 6 mm; 12/cs
4122	Tissue-Tek® Base Mold for Embedding Rings 22 x 25 x 6 mm; 12/cs
4123	Tissue-Tek® Base Mold for Embedding Rings 32 x 25 x 6 mm; 12/cs
4124	Tissue-Tek® Base Mold for Embedding Rings 38 x 25 x 6 mm; 12/cs
4131	Tissue-Tek® Base Mold for Embedding Rings 22 x 22 x 12 mm; 12/cs
4132	Tissue-Tek® Base Mold for Embedding Rings 32 x 25 x 12 mm; 12/cs
4133	Tissue-Tek® Base Mold for Embedding Rings 38 x 25 x 12 mm; 12/cs
4161	Tissue-Tek® Base Mold 7 x 7 x 5 mm; 12/cs
4162	Tissue-Tek® Base Mold 15 x 15 x 5 mm; 12/cs
4163	Tissue-Tek® Base Mold 24 x 24 x 5 mm; 12/cs
4164	Tissue-Tek® Base Mold 30 x 24 x 5 mm; 12/cs
4165	Tissue-Tek® Base Mold 37 x 24 x 5 mm; 12/cs
4166	Tissue-Tek® Mega-Cassette™ Base Mold (for item 4173); 6/cs
7055	Tissue-Tek® Paraform® Standard Base Mold; 32 x 28 mm 12/cs
7056	Tissue-Tek® Paraform® Biopsy/Orientation Base Mold; 30 x 19 mm
	12/cs
7057	Tissue-Tek® Paraform® Biopsy 13 x 13 Base Mold; 13 x 13 mm 12/cs

Microtomy

Automated Microtome

Tissue-Tek AutoSection®

Rotary Microtome

Accu-Cut[®] SRM[™] 200

Accu-Edge® Disposable Microtome Blades

Accu-Edge® Blade Holders

Tissue-Tek® Cold Plate



Automated Microtome



Specifications	
Dimensions W x D x H	15 x 26.4 x 17.4 inches (38 x 67 x 44 cm)
Weight	121 lbs (55 kg)
Specimen Orientation	AutoAlign™ and AutoTrim™ Technology
	offering 3D Automated Chuck and Alignment
Programs	16 (including block size, speed, thickness)
Protocols (user defined)	16 with up to 16 steps
Trimming speed	10 – 450 mm/second
Cutting speed	10 – 450 mm/second
Trimming thickness	1 – 200 μm
Section thickness	0.5 – 100 μm
Maximum Vertical stroke	122 mm
Maximum Horizontal Stoke	10 mm
Specimen retraction range	No retraction, 20 – 100 μm
Specimen feed speed	1300 μm/second
Fixed Blade angle	5 degrees
Screen	Color LCD touch screen
Remote	Bluetooth® Wireless remote
Data interface	USB 2.0

Item Code	Description
5000	Tissue-Tek AutoSection® Automated Microtome, Low
	Profile; 100-230 VAC, 50/60 Hz, 8.2-4.1 Amps
5010	Tissue-Tek AutoSection® Automated Microtome, High
	Profile; 100-230 VAC, 50/60 Hz, 8.2-4.1 Amps
4658	Waste Collection Bags; 250/cs
4685	Accu-Edge [®] High Profile Blades; 500/cs
4689	Accu-Edge [®] Low Profile Blades; 500/cs
4980	Tissue-Tek® Feather® A35 Low Profile Blades; 500/cs
7089	Tissue-Tek® Feather® Low Profile Blades; 500/cs

Tissue-Tek AutoSection® Automated Microtome

The Tissue-Tek AutoSection is the newest and the only microtome on the market providing leading technology that auto aligns the block to the blade in seconds. Process efficiency is increased with the patented AutoAlign, AutoTrim, and AutoSection features.

Quality and Patient Safety

Precision sectioning and consistent high quality, is now achievable for every technician, every single block, and tissue type. The Tissue-Tek AutoSection automatically aligns, trims, and sections blocks, including Tissue-Tek® Paraform®. The combination of cutting edge technology and razor sharp Accu-Edge Microtome Blades enables thin, consistent high quality sections. AutoAlign technology will precisely orient blocks and dramatically reduce the risk of losing tissue. Another major benefit of automation is painfree microtomy, reducing Repetitive Motion Disorder (RMD) with the availability of flexible sectioning programs.

Efficiency and Speed

Work in a single-piece-flow and increase process efficiency with a touch of a button. With AutoAlign and AutoTrim, the core technologies of AutoSection, blocks are ready for sectioning in seconds, saving valuable production time, in particular with recuts.

Tissue-Tek AutoSection® offers you the following advantages:

- Preserves valuable tissue
- Employs patented sensing and automated 3-D specimen holder technology for precise XYZ orientation
- Standardizes block orientation even if block was trimmed or sectioned on a different microtome
- · Decreases repetitive motion disorders for users

FEATURES AutoAlign	BENEFITS Saves time and tissue with block to blade auto alignment
AutoTrim	Saves time by facing blocks in 15 seconds or less
AutoSection	Allows for microtomy at the touch of a button. Reduces Repetitive Motion Disorders in the lab
3-D Chuck and Sensing Plate	Optimizes block alignment to preserve tissue during sectioning
Programmable Sectioning	Standardizes sectioning throughout the lab
Wireless Hand Held Remote Control	Allows operation from either side of the instrument



Rotary Microtome



Specifications	
Dimensions	
WxDxH	15.8 x 18.5 x 11.6 inches
	(40.0 x 47.0 x 29.5 cm)
Working Height	4.14 inches (10.5 cm)
Weight	63 lbs (29 kg)
Section Thickness Range	0.5 - 60 μm
Increment	0 - 2 μm (0.5 μm increments)
	2 - 10 μm (1μm increments)
	10 - 20 μm (2 μm increments)
	20 - 60 μm (5 μm increments)
Coarse Feed Advance	Clockwise
Horizontal Specimen Advance	25 mm
Vertical Specimen Stroke Length	59 mm
Specimen Retraction	220 μm
Clearance Angle for Blade Holder	0 -10°
Specimen Orientation	
Three-axis Orientation	Horizontal: 8°
	Vertical: 8°
	Rotation: 90°
Micron Thickness Setting	Adjustable with visual display
Trimming Steps	10 μm, 50 μm
Displacement of Blade Holder Ba	ase
North/South Maximum	55 mm (Vertically)
With all adapters attached	40 mm
East/West	45 mm (Horizontally)

Accu-Cut® SRM™ 200 Rotary Microtome

The Accu-Cut SRM 200 Rotary Microtome is a reliable manual rotary microtome developed for all applications of paraffin and hard specimens in clinical, research, and industrial laboratories. This instrument displays extraordinary ergonomic characteristics for comfortable operation while maintaining reproducible precision during sectioning. The Accu-Cut SRM 200 Rotary Microtome has various settings for trimming. The specimen retraction function allows section ribbons to be formed immediately and more easily.

Sakura Finetek offers, together with the Accu-Edge Disposable Microtome Blades, a full range of cutting edge solutions for microtomy purposes.

The Accu-Cut SRM Rotary Microtome is supplied with a complete package of accessories, ready to be used immediately after installation.

FEATURES	BENEFITS
Three axis specimen orientation	Allows flexibility for sectioning different specimen types
Smooth-running hand wheel	Provides optimal tactile response
Specimen trimming feature	Speeds up productivity
Lateral displacement of blade holder base	Enables better sectioning
With or without specimen retraction	Provides workflow flexibility

Item Code	Description
1429	Accu-Cut® SRM™ 200 Manual Rotary Microtome (Retracting)
1429N	Accu-Cut® SRM™ 200 Manual Rotary Microtome
	(Non-Retracting)
1434	Blade Holder Base Assembly
1469	Blade Holder for High Profile Disposable Blades
1435	Blade Holder for Low Profile Disposable Blades
1436	High-Profile Back Plate (part of item 1469)
1437	Low-Profile Back Plate (part of item 1435)
1438	3-Axis Orientation Attachment for Clamp
1439	Universal Cassette Clamp with Adapter
1440	Maintenance Kit
1441	Protective Dust Cover
1442	Knife Holder N Assembly for Steel Knives
1443	Non-Orientating Attachment for Clamps
1444	Specimen Clamp 40 x 40 mm
1445	Super Mega-Cassette™ Clamp 50 x 55 mm
1446	V-Insert
1447	Bottle of Oil, Type 405
1468	Waste Tray

Accu-Edge® Disposable Microtome Blades



Accu-Edge Blades have earned their reputation as the premium disposable microtome blade in the market. Accu-Edge blades are manufactured in a rigidly controlled environment using the highest quality grade of stainless steel available, state-of-the-art manufacturing technology, and special processes refined over the last 35 years. Histologists insist on Accu-Edge blades because they can count on them year after year, blade after blade, cut after cut. When precision and unsurpassed sharpness matter, no other blade will do. Accu-Edge high performance disposable microtome blades section any kind of tissue without striation, distortion, or chattering.

FEATURES	BENEFITS
Consistent durability	Cuts more blocks per blade
Unique PTFE resin surface coating	Reduces friction when sectioning hard or dense tissues
Ultra sharp blade edge	Uniform, consistent sectioning

Item Code	Description
4685	Accu-Edge® High Profile Blades; 500/cs
4980	Feather® A35 Low Profile Blades; 500/cs
4689	Accu-Edge® Low Profile Blades; 500/cs
7089	Feather® Low Profile Blades; 500/cs

Tissue-Tek® Accu-Edge® Blade Holders



Disposable Blade Holder usable in various Steel Knife Holders. Provide the customer with a inexpensive alternative for using the Accu-Edge Disposable Microtome Blades instead or in combination with Steel knives.

Item Code	Description
4687	Tissue-Tek® Accu-Edge® Microtome Blade System
4683	Tissue-Tek® Accu-Edge® Heavy Duty Blade System

Tissue-Tek® Cold Plate



For use in chilling and preparing paraffin blocks for sectioning on a microtome and as a cold tray for other laboratory procedures. Polystyrene top and base are molded together for a tight seal. Freezes in approximately 4 hours in a conventional freezer. Surface remains cool for up to 3 hours. Six cold plates and one insulator base per package

Item Code	Description
4650	Tissue-Tek® Cold Plate (1 base and 6 plates); 25x10x3 cm,
	24/cs

Staining and Coverslipping

Automated Slide Stainers and Coverslippers

Tissue-Tek Prisma® and Tissue-Tek Film® Tissue-Tek Prisma® and Tissue-Tek Glas $^{\text{TM}}$ g2 Histo-Tek® SL Stainer

Manual Slide Staining Kit

Tissue-Tek® Coverslipping Film

Tissue-Tek® Mounting Media

Tissue-Tek® Glas™ *g2* Coverslips and Easy Holder

Tissue-Tek Prisma® and Tissue-Tek Film®

Automated Slide Stainer and Coverslipper



Specifications	Prisma and Film
Throughput	Up to 500 slides per hour
Dimensions	
$W \times D \times H$	77.5 x 28 x 27.2 inches (197 x 71 x 69 cm)
Weight	495 lbs (225 kg)
Capacity	
Loading	Up to 60 slides
Unloading	Up to 240 slides

Specifications	Prisma Slide Stainer
Throughput	Up to 500 slides per hour
Dimensions	
WxDxH	49.2 x 28 x 25 inches (125 x 71 x 63 cm)
Weight	330 lbs (150 kg)
Number of Reservoirs	
Start	1 to 3 stations
Reagent	31 to 51 reservoirs
Drying	0 to 2 stations
Wash	0 to 4 stations (8 programmable steps)
Heating (optional)	2 stations
Capacity	
Reagent volume	160, 260 and 680 mL
Staining protocols	11 runs continuously loading, and
	simultaneously running
Baskets	10- or 20-slide basket
Loading	Up to 60 slides per run
Temperature	
Drying station	86 ~ 149°F (30 ~ 65°C)
Heating station	86 ~ 158°F (30 ~ 70°C)

Specifications	Film Coverslipper
Throughput	Up to 1080 slides per hour
Dimensions	
$W \times D \times H$	28.3 x 23 x 27.2 inches (72 x 58 x 69 cm)
Weight	165 lbs (75 kg)
Capacity	
Loading	Up to 60 slides
Unloading	Up to 240 slides
Optional	Slide Barcode Reading

Tissue-Tek Prisma® and Tissue-Tek Film®

Improving the most reliable and productive stainer and coverslipper platform in the market. This true walk-away system is further enhanced to produce consistent high quality slides, meeting your specific diagnostic requirements. Its optional barcode reading capability enables laboratories to track and trace slides.

Maximized Productivity

The Tissue-Tek Prisma and Tissue-Tek Film provides unmatched productivity and turn around time improvement with 500 slides per hour. The system enables an efficient workflow with continuous loading and unloading capabilities. The Tissue-Tek Prisma is the most flexible multiple stainer on the market, with a wide range of configurations for routine and special staining. The availability of three different volume reagent reservoirs optimizes reagent usage and decreases operating costs. Tissue-Tek Coverslipping Film is a unique, resin-coated plastic 5th generation film which reduces maintenance and enables fast coverslipping and drying times.

The Tissue-Tek Prisma^{*} and Tissue-Tek Film^{*} Offer You:

- Unmatched productivity and speed with 500 slides per hour
- Integrated track and trace system, improving quality assurance
- One system for routine and special staining

FEATURES Precise programming	BENEFITS Standardizes staining with full control by user.
Standard and Expanded configurations	Allows for customization of multiple protocols (H&E, Pap, Special Stains, etc.)
Charcoal filters and venting kit	Improves lab staff safety
Large 240 count end stations	Optimizes labor efficiency



Touch Screen Programming



Optional Barcode Reader



Link to Coverslipper



Item Code	Description
6130	Tissue-Tek Prisma® Standard Configuration; 115V, 50/60 Hz
6131	Tissue-Tek Prisma® Special Staining Configuration; 115V,
	50/60 Hz
4768	20-Slide Basket; 10/cs
6135	20-Slide Basket Load/Unload Adapter
6136	20-Slide Basket Adapter
6137	10-Slide Basket
6138	10-Slide Basket Adapter; 4/cs
6139	10-Slide Basket Load/Unload Adapter
6140	Special Stain Solution Reservoir; 160 mL
6141	Heated Solution Reservoir
6144	Lid for Special Stain Solution Reservoir
6145	Small Solution Reservoir; 260 mL
6146	Lid for Small Solution Reservoir
6147	Standard Solution Reservoir; 680 mL
6148	Standard Solution Reservoir with Handle; 680 mL
6149	Wash Reservoir
6151	Lid for Standard Solution Reservoir
6152	3-Position Reservoir Tray
6153	Large Lid for 3-Position Reservoir Tray
6154	4-Position Reservoir Tray
6155	Large Lid for 4-Position Reservoir Tray
6156	Special Stain Reservoir Tray
6160	Activated Carbon Filter
6162	Basket Adapter Label
6163	Control Panel Protection Sheet
6164	Compact Flash Card; 128 mb
6165	Duct Connection Adapter; 38 mm
6166	Duct Connection Adapter; 75 mm

Item Code	Description
4740	Tissue-Tek Film® Coverslipper; 115 V, 50/60 Hz
6508	Tissue-Tek® Barcode Reader System for Coverslippers
6134	Link between Tissue-Tek Prisma® and Tissue-Tek Film®
4770	Tissue-Tek® Coverslipping Film; 60 m, 5 rolls/cs
4772	Tissue-Tek® SCA™ Coverslipping Film Cutter Blades; 5/cs
6160	Activated Carbon Filter; 2/cs
4745	Xylene Bottle; 500 mL
4746	Cap for Xylene Bottle
4748	Waste Bottle; 200 mL
4749	Cap for Waste Bottle

🎇 Tissue-Tek Prisma® and Tissue-Tek® Glas™ g2

Automated Slide Stainer and Coverslipper



Specifications	Prisma and Glas g2
Throughput	Up to 360 slides per hour
Dimensions	
WxDxH	79 x 28 x 29.5 inches (200 x 71 x 75 cm)
Weight	572 lbs (260 kg)
Capacity	
Loading	Up to 60 slides
Unloading	Up to 240 slides

Specifications	Prisma Slide Stainer
Throughput	Up to 500 slides per hour
Dimensions	
WxDxH	49.2 x 28 x 25 inches (125 x 71 x 63 cm)
Weight	330 lbs (150 kg)
Number of Reservoirs	
Start	1 to 3 stations
Reagent	31 to 51 reservoirs
Drying	0 to 2 stations
Wash	0 to 4 stations (8 programmable steps)
Heating (optional)	2 stations
Capacity	
Reagent volume	160, 260, and 680 mL
Staining protocols	11 runs continuously loading, and
	simultaneously running
Baskets	10- or 20-slide basket
Loading	Up to 60 slides per run
Temperature	
Drying station	86 ~ 149°F (30 ~ 65°C)
Heating station	86 ~ 158°F (30 ~ 70°C)

Specifications	Glas g2 Coverslipper
Throughput	Up to 360 slides per hour
Dimensions	
WxDxH	29.5 x 24.4 x 29.5 inches (75 x 62 x 75 cm)
Weight	242 lbs (110 kg)
Capacity	
Loading	Up to 60 slides
Unloading	Up to 240 slides

The Tissue-Tek Prisma® and Tissue-Tek® Glas™ g2

Tissue-Tek Prisma and Tissue-Tek Glas g2 provides high reliability, user convenience and flexibility in staining and glass coverslipping. One system for routine and special staining. Its optional barcode reading capability enables laboratories to track and trace slides.

Increased Efficiency and Reliability

The Tissue-Tek Prisma and Tissue-Tek Glas g2 provides unmatched staining and glass coverslipping turn around time improvement with 360 slides per hour. The system enables an efficient workflow with continuous loading and unloading capabilities. Prisma is the most flexible stainer on the market, with a wide range of configurations for routine and special staining. The availability of three different volume reagent reservoirs optimizes reagent usage and decreases operating costs. Mechatronics™ technology prevents any damage to the cover glass or tissue and guarantees bubble free slides. Enhance user convenience with Tissue-Tek Glas *q2* Coverslips and Easy Holders. These pre-filled coverslip holders enable quick and easy refilling of glass coverslips.

The Tissue-Tek Prisma° and Tissue-Tek° Glas™ g2 Offer You:

- Greater quality, efficiency, and user friendliness with the use of Tissue-Tek Glas g2 Coverslips Easy Holders
- Rapid glass coverslipping with 360 slides per hour
- One system for routine and special staining
- Integrated slide tracking, tracing, and slide identification with optional barcode reading capability
- An air bubble free result through Mechatronics technology

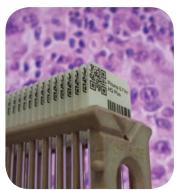
FEATURES	BENEFITS
Mechatronic Slide Technology	Provides consistent air bubble-free coverslipping
TIssue-Tek Glas <i>g2</i> Coverslips and Easy Holders	Provides quick reloading of coverslips
Large 240 count end stations	Optimizes labor efficiency
Standard and Expanded Configuration	Allows for customization of multiple protocols (H&E, Pap, Special Stains, etc.)



Prefilled Easy Holder



Optional Barcode Reader



20-Slide Basket



Unloading Carousel

Item Code	Description
6130	Tissue-Tek Prisma® Standard Configuration; 115 V, 50/60 Hz
6131	Tissue-Tek Prisma® Special Staining Configuration; 115 V,
	50/60 Hz
4768	20-Slide Basket; 10/cs
6135	20-Slide Basket Load/Unload Adapter
6136	20-Slide Basket Adapter
6137	10-Slide Basket
6138	10-Slide Basket Adapter; 4/cs
6139	10-Slide Basket Load/Unload Adapter
6140	Special Stain Solution Reservoir; 160 mL
6141	Heated Solution Reservoir
6144	Lid for Special Stain Solution Reservoir
6145	Small Solution Reservoir; 260 mL
6146	Lid for Small Solution Reservoir
6147	Standard Solution Reservoir; 680 mL
6148	Standard Solution Reservoir with Handle; 680 mL
6149	Wash Reservoir
6151	Lid for Standard Solution Reservoir
6152	3-Position Reservoir Tray
6153	Large Lid for 3-Position Reservoir Tray
6154	4-Position Reservoir Tray
6155	Large Lid for 4-Position Reservoir Tray
6156	Special Stain Reservoir Tray
6160	Activated Carbon Filter
6162	Basket Adapter Label
6163	Control Panel Protection Sheet
6164	Compact Flash Card; 128 Mb
6165	Duct Connection Adapter; 38 mm
6166	Duct Connection Adapter; 75 mm

Item Code	Description
6500	Tissue-Tek® Glas™ <i>g2</i> Glass Coverslipper 115V, 50/60Hz
6508	Tissue-Tek® Barcode Reader System for Coverslippers
6168	Link Between Tissue-Tek Prisma $^\circ$ and Tissue-Tek $^\circ$ Glas $^{\mathrm{m}}$ $g2$
6415	Tissue-Tek® Glas™ Coverslips and Easy Holder 24x40 mm;
	200 holders, 5/cs
6416	Tissue-Tek® Glas™ Coverslips and Easy Holder 24x50 mm;
	200 holders, 5/cs
6417	Tissue-Tek® Glas™ Coverslips and Easy Holder 24x60 mm;
	200 holders, 5/cs
6423	Anti-drying bottle
6430	Waste Container
6433	Priming bottle
6504	Receiving Rack
6505	Waste bottle
6160	Activated Carbon Filter; 2/cs
6506	Exhaust house assembly; 38 mm diameter
6507	Exhaust house assembly; 75 mm diameter



Slide Stainer



Item Code	Description
1900	Histo-Tek® SL Slide Stainer; 115 V, 50/60 Hz
1901	30-Slide Basket; 4/cs
1902	30-Slide Basket Adapter
1903	20-Slide Basket Adapter
1905	Solution Reservoir; 350 mL
1906	Wash Reservoir; 350 mL
1907	Reservoir Lid; 350 mL
1908	Special Stain Solution Reservoir
1909	10-Slide Basket Adapter
1910	Drain Hose
1911	Water Supply Hose Set
1912	Carbon Filter
1913	Exhaust Adapter and Hose

Histo-Tek® SL Slide Stainer

The Histo-Tek SL Slide Stainer offers multiple staining protocols to automate manual staining. Based on current workload demands, the system can handle up to 4 sets of 30 slides at a time. The operator selects from 15 methods stored in memory, presses RUN and walks away. It is a simple but intelligent instrument for unsurpassed productivity-slide after slide.

Specifications		
Throughput	Up to 120 slides per hour	
Dimensions		
WxDxH	33 x 31 x 16 inches (81 x 79 x 41 cm)	
Weight	55 lbs (25 kg)	
Number of Reservoirs		
Start	1 station	
Reagent	22 reservoirs	
Wash	2 stations	
Capacity		
Reagent volume	350 mL	
Staining protocols	4 runs continuously loading, and	
	simultaneously running	
Baskets	30 slide basket	
Loading	Up to 30 slides per run	

FEATURES Built-in fume extraction	BENEFITS Improves lab staff safety
Special Stains reservoirs	Enables user to run H&E or special stains
User defined programming	Allows standardization of staining with full control
Compact footprint	Fits on standard lab counter tops

Tissue-Tek® Manual Slide Staining Kit





The Manual Slide Staining Set can be used for histological or cytological staining procedures. The set provides simultaneous use of up to 12 solution wells, each deep enough to permit total immersion of 2.5 to 7.6 cm slides. The tamped metal frame is solvent-resistant, with a snap-locking cover that prevents spills. Ten white polypropylene dishes and two green solvent-resistant dishes are included. Tight-fitting lids for each solution dish help eliminate evaporation. Comes complete with 12 dishes and lids, a 12-unit metal carrier, and a drain tray cover.

Accessories for the Tissue-Tek Manual Slide Staining Set include green and white staining dishes and a 24-Slide Holder with detachable handle.

Item Code	Description
4451	Tissue-Tek® Manual Slide Staining Set
4456	Staining Dish Green
4457	Staining Dish White
4465	24-Slide Slide Holder with detachable handle



Tissue-Tek Coverslipping Film is a 5th generation, resin-coated plastic film that eliminates the need for cover glass and liquid mounting media - which reduces coverslipper maintenance and enables fast coverslipping. The optical characteristics are comparable to those of glass and validated for use on the Hologic*/Cytyc Imaging System.

Sakura is the innovator and the industry leader providing Film for over 30 years with over 3 billion slides coverslipped.

FEATURES	BENEFITS
Fast drying	Enables pathologists to view
	and archive slides quicker
When combined with the Tissue-Tek Film®	Eliminates downtime
Coverslipper, its Mean Time Between	
Failure (MTBR) exceeds 52 weeks	
Suitable for Histology, Cytology, and	Allows coverslipping for any
Special Stains	specimen type

Item Code	Description
4770	Tissue-Tek® Coverslipping Film 60 m; 5/cs

Tissue-Tek® Glas™ Mounting Media



Sakura Finetek offers xylene-based mounting media for glass coverslipping. The Tissue-Tek Glas Mounting Media packaging is designed and optimized for ease of use with the Tissue-Tek Glas *g2* Coverslipper.

Item Code	Description
6419	Tissue-Tek® Glas™ Mounting Media , 1x16 oz

Tissue-Tek[®] Glas[™] *g2* Coverslips and Easy Holder



Quickly refill coverslips in the Tissue-Tek Glas $\it g2$ with the convenient prefilled Easy Holder.

Item Code	Description
6415	Tissue-Tek $^{\otimes}$ Glas [™] $g2$ Coverslips and Easy Holder 24x40
	mm; 200 coverslips, 5/cs
6416	Tissue-Tek® Glas™ <i>g2</i> Coverslips and Easy Holder 24x50
	mm; 200 coverslips, 5/cs
6417	Tissue-Tek® Glas™ <i>g2</i> Coverslips and Easy Holder 24x60
	mm; 200 coverslips, 5/cs

Imaging

VisionTek® M6 Live Digital Microscope

VisionTek[®] **Live Digital Microscope**



Live Digital Microscope



VisionTek® M6 Live Digital Microscope

The VisionTek M6 Digital Microscope is the only robotic imaging system that pathologists can use like a conventional microscope to view live up to 4 slides simultaneously or to view multiple areas of the same slide with time to view under 17 seconds. It is equipped with six magnifications (2.5x, 5x, 10x, 20x, 40x, and 63x) and illumination control to satisfy the needs of cytopathologists and hematopathologists, while providing additional value for Teaching and Tumor Boards.

VisionTek M6 incorporates a motorized brightfield optical system, together with multiple cameras, automated XYZ, IR, and image-based autofocus to convert optical fields of view of specimen on glass slides, at various magnifications, into high-resolution digital images that are displayed in real time on a high-resolution monitor for ergonomic viewing.

The system is operated via software through a PC interface and can also be controlled remotely via the internet so live images can be shared by multiple remote viewers.

VisionTek M6 is also capable of rapid scanning of multiple Z planes of partial slides (PSI™) or whole slides (WSI) for archiving and sharing, making it a truly versatile instrument for pathologists. The snapshot, partial scan, and whole slide scanned images are for research use only (RUO) in the USA.

FOR INTEROPERATIVE CONSULTATION FEATURES	A <u>TION</u> BENEFITS
True 40x magnification	Detects subcellular and nuclear details for better differentiation of cells
True 5x magnification	Provides adequate overview image of the slide
Adjustable illumination	Adjusts for best image contrast
Time to live review under 17 seconds	Allows review of cases within minutes
Robotic control of microscope stage, focus. magnification, and illumination with a mouse	Enables one-hand operation as with a microscope
Remote control and viewing	Allows slide review interactively from any location, without having to travel to the location of the slide. Suited for intraoperative consults and rapid on-site evaluations
FOR SECOND-OPINION CONSULT FEATURES	BENEFITS
Hybrid system with remote live review and "z" stack scanning capability	Enables live review of slide or scanned images at multiple focal planes
Users can pass control to and regain control from any remote user	Allows either you or your consultant to drive and review the case, enabling a true interactive consult
Remote access to slides	Enables second-opinion consults on the same day, eliminating delays and slide shipment and associated costs
True 40x magnification	Detects subcellular and nuclear details for better differentiation of cells
True 5x magnification	Provides an adequate overview image of the slide
Adjustable illumination	Adjusts for best image contrast
Simultaneous viewing and control of up to 4 slides	Compares live multiple slides at their best focal plane (IHC + ISH consults)
FOR TEACHING PATHOLOGISTS A	AND TUMOR BOARDS
FEATURES Share control of stage, magnification, focus, and illumination	BENEFITS Instructor can pass and regain control of the microscope, enabling a better teaching and learning experience
Remote viewing	Allows colleagues and students to review slides simultaneously from anywhere
Slide sharing with a tumor board panel	Eliminates preparation for tumor board presentations. Instead provides advance access to share information on whole slides or cases
Simultaneous viewing and control of up to 4 slides	Allows live comparison of multiple slides at their best focal plane (IHC + ISH consults)
Magnification range includes 2.5x, 5x, 10x, 20x, 40x, 63x	Enables use for teaching anatomical pathology, cytopathology,

hematopathology, and tumor boards

Specifications	
Dimensions	
WxDxH	15.9 x 20.5 x 17.9 inches (40.5 x 52 x 45.5 cm)
Weight	77.2 lbs (35 kg)
Optics	
EC Plan NeoFluar®	5x/0.16, 20x/0.5, 40x/0.75
Magnification	Overview image 0.45x
	High-resolution live magnifications: 2.5x, 5x,
	10x, 20x, 40x, 63x
Illumination	White LED, with Köhler illumination
	User illumination control
Z-Stage Autofocus	High-precision mechanical focus; motor
	controlled via mouse
	Resolution 0.2 μm
	IR beam and image-based autofocus
	mechanisms work together to focus
	automatically after each XY stage movement
XY-Stage Automation	XY stage accommodates 4 standard micro
	scope slides on a slide carrier and controlled
	via mouse
Slide Loading	Slide carrier accommodates up to 4
	standard microscope slides
Label/Barcode	1D and 2D barcode recognition
Image Detection	
Overview Camera	Resolution at $0.45x = 12 \mu m/pix$
Camera Resolution	at $5x = 1.1 \mu m/pix$
	at $20x = 0.275 \mu m/pix$
	at $40x = 0.138 \mu m/pix$
Scanning Speed	1.5 min for 15 mm x 15 mm (at 0.275 μm/pix)
Computer	
Operating System	Windows® 7, 64 bit or 32 bit
Processor	Intel [®] Core I7 or higher
Hard Disk	128GB +1000GB 3.5"; 1000 Base-T Ethernet
	Intel, Pro/1000PT server network card
Monitor	24-inch 1920 x1200 pixel resolution; display
	port or DVI

Item Code	Description
9006	VisionTek® M6 Live Digital Microscope;
	100-240 VAC, 50-60 Hz, 4-2 Amps, including:
	 Windows® 7 x 64 bit PC
	• 24 inch High Resolution monitor (WUXGA)
	 2 VisionTek[®] Slide Carriers
9011	VisionTek® Slide Carrier; 4 slides each
9009	Uninterrupted Power Supply (UPS), 10 min



Live Digital Microscope



Specifications	
Dimensions	
WxDxH	15.9 x 20.5 x 17.9 inches (40.5 x 52 x 45.5 cm)
Weight	77.2 lbs (35 kg)
Optics	
EC Plan NeoFluar®	2.5x/0.075, 10x/0.3, 20x/0.5
Magnification	Slide tray overview 0.45x
Live Image	2.5x; 10x; 20x; 40x (digital zoom)
Illumination	White LED, with Köhler illumination
Z-Stage Autofocus	Mechanical high-precision autofocus;
	motor controlled via software (mouse);
	IR beam and image-based autofocus
	mechanisms work together to focus
	automatically after each XY movement
XY-Stage Automation	Accommodates 4 standard microscope
	slides on a slide carrier; controlled via software
Image Detection	
Overview Camera	Resolution at $0.45x = 12 \mu m/pix$
Live View and Scanning	
Camera	Resolution:
	at $2.5x = 2.2 \mu m/pix$
	at $10x = 0.55 \mu m/pix$
	at $20x = 0.275 \mu m/pix$
Scanning Time	3 min for 15 mm x 15 mm (at 0.275 μm/pix)
Computer	
Operating System	Windows® 7, 64 bit or 32 bit
Processor	Intel® Core I7 or higher
Hard Disk	128GB +1000GB 3.5"; 1000 Base-T Ethernet
	Intel, Pro/1000PT server network card
Monitor	24-inch 1920 x1200 pixel resolution; display
	port or DVI

Item Code	Description
9000	VisionTek® Live Digital Microscope;
	100-240 VAC, 50-60 Hz, 4-2 Amps, including:
	 Windows® 7 x 64 bit PC
	 24 inch High Resolution monitor (WUXGA)
	 2 VisionTek® Slide Carriers
9011	VisionTek® Slide Carrier; 4 slides each
9009	Uninterrupted Power Supply (UPS), 10 min

VisionTek® Live Digital Microscope

VisionTek is a new live robotic digital pathology microscope for real-time remote interpretations including rapid intraoperative consultation, same day second opinion consults and on-site cytology evaluations with advanced live or scanned image sharing capabilities for tumor boards and teaching.

VisionTek is the only system which enables simultaneous live review of multiple slides and/or multiple areas of the same slide with time-to-view under 15 seconds. The ability to focus through different planes on live and scanned images eliminates soft focus issues associated with scanners. The snapshot, partial scan, and whole slide scanned images are for research use only (RUO) in the USA.

		R	

Live view of multiple slides from remote location with time-to-view under 15 seconds with real time focus, magnification change, and stage control

Sharing real-time view and individual remote control of focus and magnification of up to four slides at a time

Rapid scan of partial and/or whole slide images at multiple focal planes

Multiple participant screen sharing and individual control of instrument including live measurement and annotation tools

Comparative live view of multiple slides at individual best focal plane

Simultaneous view and independent control of up to 16 areas of interest from a single slide

Small footprint and mobility

BENEFITS

Enables remote intraoperative consults including frozen sections from your own desktop, laptop or mobile devices. Enables rural hospitals to have instant access to pathology sub specialties

Allows same day second opinion consults on live slides from any part of the world, negating slide shipment

Enables rapid second opinion consults from stored images enabling pathologist to work at their own convenience

Allows sharing pathology information in real-time in tumor boards and in teaching hospitals

Provides refined primary diagnosis (IHC; CISH)

Creates the best image plane and magnification of each tissue microarray core simultaneously

Allows telepathology from various locations including a frozen section lab, FNA cart, pathologist's office, teaching laboratory, tumor board, or a research bench

Cryotomy

Tissue-Tek[®] Cryo₃[®] Plus Cryostat

Tissue-Tek® O.C.T. Compound



Cryostat



Tissue-Tek[®] Cryo₃[®] Plus Cryostat

The new Tissue-Tek Cryo₃ Plus is a precision instrument used to freeze and section tissue specimens. A temperature controlled blade holder keeps the blade cold during sectioning. The Tissue-Tek Cryo₃ Plus D and DM models use Ozone technology to disinfect and substantially reduce the level of pathogens inside the cryochamber. Ozone gas spreads evenly inside the chamber and contacts areas that most other disinfection methods cannot reach. On-demand Ozone disinfection protects users from pathogens in between mandated CAP manual decontaminations. The DM model is equipped with a motorized microtome, to intermittently or continuously section specimens as selected by the operator. In addition, a unique Anti-Roll Rake produces smooth, quality sections and simplifies specimen transfer to slides.

ATURES	BENEFIIS
•	Keeps the blade cold during sectioning
ide holder	
ti-Roll Rake	Produces smooth, quality sections and
	simplifies specimen transfer to slides
one Disinfection	Allows on-demand ozone disinfection
	protects users in between mandated
	CAP manual decontaminations by
	reducing the level of pathogens
	inside the cryochamber. Ozone gas
	spreads evenly inside the chamber
	and contacts areas that most other
	disinfection methods cannot reach
intenance-free microtome	Enables faster cleaning; only the cryo
•	chamber needs to be cleaned
	mperature controlled ide holder iti-Roll Rake one Disinfection iintenance-free microtome ocated outside of the cryo amber

Specifications	
Dimensions	
WxDxH	23.5 x 29.5 x 46.5 inches
	(60 x 75 x 118 cm)
Weight	368 lbs (176 kg)
Chamber Temperature Range	-35°C to 0°C
Cryobar® Temperature	-50°C minimum (Cryo+ [™] section)
Sectioning Speed Range	
Maximum	0.8 mm/second
Minimum	0.5 mm/second
Specimen Size	Round 25, 38 and 55 mm
Specimen Orientation	±10° (z axis), 360° (y axis),
Sectioning Range	1 to 99 μm in 1 μm increments
Travel Range	
Vertical	63 mm
Horizontal	11.9 mm

Item Code	Description
5850	Tissue-Tek® Cryo ₃ ® Plus Basic; AC 115 V± 10%, 50/60 Hz.,
	11 Amps
5851	Tissue-Tek® Cryo ₃ ® Plus D; AC 115 V± 10%, 50/60 Hz.,
	11 Amps
5852	Tissue-Tek® Cryo ₃ ® Plus DM; AC 115 V± 10%, 50/60 Hz.,
	11 Amps
5807	Specimen Holders, Small 25 mm; 6/cs
5808	Specimen Holders, Medium 38 mm; 6/cs
5809	Specimen Holders, Large 55 mm; 6/cs
5811	Heat Extractor, Standard
5815	Heat Extractor, Large
5819	Cryobar® Insert, 4-Cavity
5820	Cryobar® Insert, 4-Post
5824	Utility Tray
5825	Waste Bottle
5826	Vacuum Filter Set
5827	Vacuum Hose Attachment
5828	Ozone Lamp Assembly
4557	Cryomold® Standard 25 x 20 x 5 mm; 1,200/cs
4565	Cryomold® Biopsy 10 x 10 x 5 mm; 1,200/cs
4566	Cryomold® Intermediate 15 x 15 x 5 mm; 1,200/cs
4726	Round Object Holder; 6/cs
4728	Round Cryomold® Standard 23 mm; 1,200/cs
4730	Round Cryomold® Biopsy 15 mm; 1,200/cs
5829	Foot Pedal
5831	Anti-Roll Rake
5832	Anti-Roll Plate
5833	Steel Knife Holder
5834	Drain Cleaning Brush
5835	Ozone Port Screen
5836	Fluorescent Lamp Assembly
5837	Drain Cover
6033	Uninterrupted Power Supply (UPS), 30 minutes

Tissue-Tek® O.C.T. Compound



Tissue-Tek® O.C.T. Compound is a formulation of water soluble glycols and resins, providing a convenient specimen matrix for cryostat sectioning at temperatures of -10°C and below. No residue is left on slides during the staining procedure eliminating undesirable background staining.

Item Code	Description
4583	Tissue-Tek® O.C.T. Compound; 12/cs



Visit us at www.sakura-americas.com

Cytology

Cyto-Tek® 2500 Cytocentrifuge



Cytocentrifuge



Cyto-Tek® 2500 Cytocentrifuge

The Cyto-Tek 2500 Centrifuge provides optimal cell recovery and advanced preservation of cellular structure in nongynecological monolayer slide preparation. The Cyto-Tek 2500 was designed with enhanced features focusing on user safety, including the introduction of a new sealable rotor housing with lid which significantly reduces aerosol exposure. The housing is completely removable and transportable, providing added convenience. Technicians now have the ability to load and unload specimens in vented areas away from the centrifuge, under a fume hood. The Cyto-Tek 2500 Centrifuge has a sleek and modern design and provides the superior clinical performance users have come to expect from Sakura's Cyto-Tek Centrifuges.

FEATURES Removable Rotor Housing	BENEFITS Allows techs the ability to load and unload specimens in vented areas, under a fume hood
Lockable Rotor Lid	Contains aerosols with the rotor housing, protecting techs from exposure
Program Memory	Enables users to build and store up to 30 programs
Program Flexibility	Provides the ability to program in minutes and seconds, gives techs greater control and more flexibility
Rotor housing is autoclavable	Allows for safe and easy sterilization

Specifications	
Dimensions:	
WxDxH	15 x 19 x 9 inches (38 x 49 x 23 cm)
Weight	26 lbs (12 kg)
Process Capacity	Up to 12 specimens at a time
Speed	Adjustable from 200 to 2,500 rpm
	(10-rpm increments)
Programmable Times	1 second to 99 minutes 59 seconds (selectable
	in one second increments)
Chamber Sizes	1, 6, and 12 mL chambers

Item Code	Description
4300	Cyto-Tek® 2500 Cytocentrifuge; AC 100 to 240V, 50/60Hz
4301	1mL Fluid Chamber Kits, 50/cs (disposable)
4326	6 / 12 mL Base Holder; 12/cs
4327	6 mL Gasket; 25/cs
4328	12 mL Fluid Chamber; 12/cs
4331	6 mL Fluid Chamber; 12/cs
4334	6 / 12 mL Chamber Cap; 25/cs
4337	12 mL Gasket; 25/cs

1 mL Fluid Chamber Kits





Archiving and Mailing

Tissue-Tek® Lab Aid® Ultra™ Cabinets

Tissue-Tek Uni-Cassette Filing Cabinets

Tissue-Tek Lab Aid Filing Cabinet System

Cyto-Tek® Mailer

Tissue-Tek[®] Lab Aid[®] Ultra[™] II Cabinets



The Tissue-Tek Lab Aid Ultra II Cabinet is a large capacity storage unit for slides and cassettes with security features. A sturdy steel construction ensures long-term use and a drawer lock guaranteeing specimen safety. The convenient removable trays accommodate up to 96,000 microscope slides or 22,000 blocks. Filing cabinets can be bolted together and stacked two high for maximum storage capacity. Accessories include stackable trays with lids for temporary storage and a trolley with lockable wheels for mobile storage system.

Specifications	
Dimensions	
WxDxH	43.3 x 23.4 x 28.1 inches (110 x 59.5 x 71.3 cm)
Weight	
Empty cabinet	271 lbs (123 kg)
Filled with 96,000 slides	1,290 lbs (585 kg)
Filled with 22,000 blocks	685 lbs (310 kg)
Capacity	
Number of drawers	10
Number of trays per drawer	8 for slides or 16 for blocks, not mixed
Cabinet for slides	Up to 96,000 slides (up to 9,600 per drawer)
Cabinet for blocks	Up to 22,000 slides (up to 2,200 per drawer)
Slides per tray	Approximately 1,200 standard slides
Blocks per tray	Approximately 138 standard slides
Rows per tray	4
Tray Dimensions	
WxDxH	1.3 x 4.7 x 15.4 inches (3.2 x 12.0 x 39.0 cm)
With lid W x D x H	1.8 x 4.8 x 15.4 inches (4.5 x 12.2 x 39.2 cm)
Row width	1.1 inches (2.9 cm)
Load capacity	1,984 lbs (900 kg)

Item Code	Description
3990	Tissue-Tek [®] Lab Aid® Ultra™ II Cabinet
3981	Tissue-Tek [®] Lab Aid® Ultra™ II Tray; 32/cs
3982	Tissue-Tek [®] Lab Aid [®] Ultra™ II Tray with Lid (4 row); 20/cs
3983	Tissue-Tek [®] Lab Aid [®] Ultra™ II drawer handle coding strips;
	100/cs
3980	Tissue-Tek [®] Lab Aid® Ultra™ II Trolley; 1 each
3984	Tissue-Tek [®] Lab Aid [®] Ultra™ Coding Strips Red; 100/cs
3985	Tissue-Tek [®] Lab Aid [®] Ultra [™] Coding Strips Green; 100/cs
3986	Tissue-Tek® Lab Aid® Ultra™ Coding Strips Yellow; 100/cs
3987	Tissue-Tek® Lab Aid® Ultra™ Coding Strips Blue; 100/cs
3988	Tissue-Tek® Lab Aid® Ultra™ Coding Strips Brown; 100/cs
3993	Foam Inserts; 50/cs
3999	Lock Key; 1 each

Tissue-Tek® Uni-Cassette® Filing Cabinets



The Tissue-Tek Uni-Cassette Filing Cabinet provides a permanent storage and reference unit for blocks embedded in Tissue-Tek Embedding Rings and Cassettes. The Filing Cabinets are stackable and accommodate 1,000 rings or 1,500 cassettes. One-piece construction eliminates hinges and doors and provides dust-free storage. Includes six impact-resistant plastic drawers with identification area.

Item Code	Description
4192	Tissue-Tek® Uni-Cassette® Filing Cabinet

Tissue-Tek® Lab Aid® Filing Cabinet System



The Tissue-Tek Lab Aid Filing Cabinet System allows convenient storage and retrieval of microscopic slides or transparencies. The 25 mm drawer section is designed to hold 26×76 mm microscopic slides. Each section contains 14 drawers, with a capacity of 465 slides per drawer. The 50 mm drawer section is designed to hold 50×50 mm transparencies or 76×50 mm microscopic slides. The drawer section is complete with 7 drawers, which will accommodate 271 slides per drawer. The system is constructed of welded steel for durability and requires 0.23 m^2 of floor space. Slide backstops easily attach to the inside of the drawers to hold slides in place when drawer is not full. Also available is a slide liner (spring) to hold slides upright during drying process.

Item Code	Description
4010	Floor Base, Green
4011	Floor Base, Beige
4012	Top Panel, Green
4013	Top Panel, Beige
4014	Drawer Section 14 x 25 x 76 mm, Green; 6,500 slides
4015	Drawer Section 14 x 25 x 76 mm, Beige; 6,500 slides
4016	Drawer Section 7 x 76 x 50 mm, Green; 1,897 slides
4017	Drawer Section 7 x 76 x 50 mm, Beige; 1,897 slides
4018	25 mm Backstop, Green
4019	25 mm Backstop, Beige
4020	Slide Liner
4027	25 mm Drawer Vertical Filing, Green (465 slides)
4038	Paraffin Block Unit Section, Beige (1,000 blocks)

Cyto-Tek® Mailer



The Cyto-Tek Mailer offers a very economical solution to securely mail up to five slides, with separation. With its positive lock and flip-top, microscope slides will always be secured when mailing. Designed to protect 76 x 26 mm sized microscope slides, thickness ranges from 0.8 to 1.2 mm.

Item Code	Description
4310	Cyto-Tek® Mailer; 100/cs

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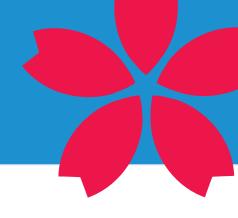
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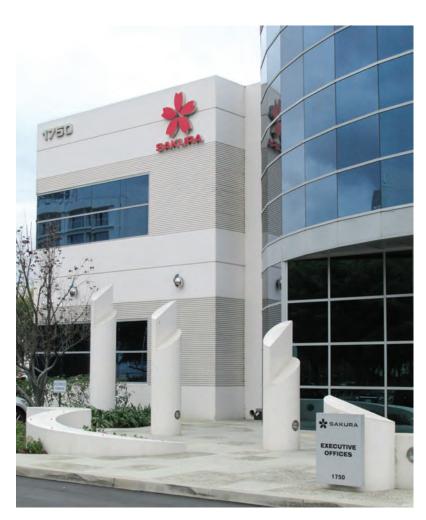
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