Reliably embed with comfort and speed

continuous innovation for pathology

SAKURA®

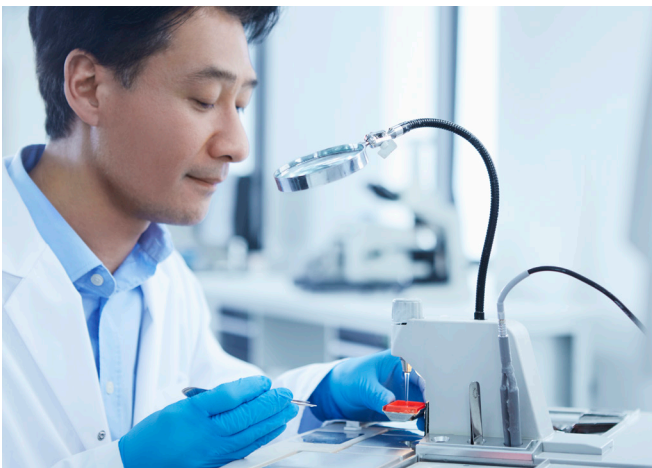# Satisfy all of your tissue embedding needs quickly, reliably and ergonomically

The proven reliability of the Tissue-Tek® TEC™ 5 makes it the ideal tissue embedding system for laboratories of any size. The robust and ergonomic modular system offers a streamline, adjustable workflow that is comfortable for both left- and right-handed users. With easily accessible controls, fast and efficient paraffin flow, and plenty of space to comfortably work, the Tissue-Tek TEC 5 provides best-in-class performance quickly, effectively, and stress-free.

Full embedding control at your fingertips

- Dispensing tower control knob easily controls the gravity-fed paraffin flow rate to quickly adjust on the fly for specific tasks
- Activation plate delivers the right amount of paraffin fast, with just a light touch
- Six easy-to-reach heated forceps wells offer convenient and ready access to necessary embedding tools
- Bright LED lighting system enhances specimen visibility and reduces eye fatigue while eliminating workspace clutter from external lighting or lamps

Simple and accessible controls for ease of use

- Menu-driven controls allow easy programming and quick review of all temperatures
- Easy-to-read panel displays temperatures in all heated and cooled areas
- Left and right thermal storage chambers are individually temperature controlled and are large enough to be used as either a paraffin bath or warming caddy for base molds
- Automatic timer mode is user-programmable to set start-up and shutdown times for each day of the week

Modular console system with flexibility to satisfy all embedding needs

- The modular design provides plenty of space for both specimen orientation and embedding
- Modules can be arranged either left-to-right or right-to-left based on user preference and comfort
- Extended warming plates offer a large working surface that is enough to accommodate up to 10 cassettes on either side
- The large, nylon cryo surface has raised edges to contain moisture and provides ample space for up to 60 embedded blocks

Optional accessories for an enhanced embedding experience

- Tissue-Tek® TEC™ 5 Magnifying Glass conveniently connects to the embedding console to allow for easy viewing of small tissue biopsies
- Tissue-Tek® TEC™ 5 Foot Pedal Switch allows foot-controlled paraffin dispensing
- Tissue-Tek® TEC™ 5 Electrical Forceps connect to the embedding console to provide consistent, even heating that prevents tissue and paraffin from sticking

Specifications

Product name	Tissue-Tek® TEC™ 5 Tissue Embedding Console System
Product code	5100
Applications	Embed processed tissue in paraffin, forming paraffin blocks for sectioning
Configuration	Modular, can be configured for right- or left-handed use
Capacity	Paraffin chamber: 4 liters Left and right thermal chambers: 1.5 liters Working area: up to 20 cassettes Cryo plate: up to 60 blocks
Paraffin delivery	Gravity feed with touch-plate activation and optional foot pedal control
Paraffin flow rate	Rate-adjusted flow with control knob
Waste collection	Drain channels in the heated working area route paraffin waste to two front waste drawers
Illumination	Bright white LED
Automatic timer mode	User-programmable, start-up and shutdown times for each day of the week
Heating time (Embedding Module)	Paraffin and left/right chambers: 4 hours from room temperature start Hot plate/forceps wells: 60 minutes
Cooling time (Cryo Module)	15 minutes from room temperature start
Temperature range	Paraffin and thermal chambers: 122 to 167ºF (50 to 75ºC) Hot plate/forceps wells:　　　122 to 167ºF (50 to 75ºC) Electric forceps (optional):　　1 to 5 Cryo plate:　　　　　　　　14 to 32ºF (-10 to 0ºC)
User interface display	2 lines, 40 characters per line
Alarms	Audible beeps
Diagnostic function	Self-diagnosis, error messages, power-out detection
Operating temperature	50 to 104ºF (10 to 40ºC)
Operational relative humidity	30% to 85% (non-condensing)
Rated voltage and current	Embedding Module: 115 VAC ± 10%, 60 Hz, 9 A Cryo Module:　　　115 VAC ± 10%, 60 Hz, 2 A
Dimensions	Embedding Module: 22.6 (W) x 25.3 (D) x 14.8 (H) inches 　　　　　　　　　　57.5 (W) x 64.2 (D) x 37.7 (H) cm Cryo Module:　　　13.0 (W) x 24.3 (D) x 14.8 (H) inches 　　　　　　　　　　33.0 (W) x 61.7 (D) x 37.7 (H) cm Combined:　　　　　35.6 (W) x 25.3 (D) x 14.8 (H) inches 　　　　　　　　　　90.5 (W) x 64.2 (D) x 37.7 (H) cm
Weight	Embedding Module: 57 lbs (26 kg) Cryo Module:　　　48 lbs (22 kg) Combined:　　　　　105 lbs (48 kg)
Certifications	UL 3101-1, 1st ed.; IEC 1010-1 and CAN/CSA-C22.2 No. 1010.1-92
Regulatory status	IVD, FDA Class I

Accessories and consumables

Product code	Product name and quantaty
5101	Tissue-Tek® TEC™ 5 Tissue Embedding Module; 115 VAC, 60 Hz
5102	Tissue-Tek® TEC™ 5 Tissue Cryo Module; 115 VAC, 60 Hz (Requires connection to product code 5101 for operation)
1550	Tissue-Tek® Scraper, Large
1551	Tissue-Tek® TEC™ 5 Large Tamper; 3/case
1552	Tissue-Tek® TEC™ 5 Small Tamper; 3/case
1553	Tissue-Tek® TEC™ 5 Lamp Bulb; 2/case (not compatible with LED models)
5103	Tissue-Tek® TEC™ 5 LED Lamp Bulb; 2/case (not compatible with non-LED models)
5781	Tissue-Tek® TEC™ 5 150-Cassette Transfer Tray
5782	Tissue-Tek® TEC™ 5 75-Cassette Transfer Tray
5783	Tissue-Tek® TEC™ 5 Base Mold Dividers
5784	Tissue-Tek® TEC™ 5 Magnifying Glass
5785	Tissue-Tek® TEC™ 5 Foot Pedal Switch
5786	Tissue-Tek® TEC™ 5 Electrical Forceps, 2mm
4005	Tissue-Tek VIP® Processing/Embedding Medium, 1 kg; 8/case
7052	Tissue-Tek® Paraform® Processing/Embedding Medium Formula 3, 1 kg; 8/case

A long tradition of excellence

Known for best-in-class automation and reliability Sakura Finetek remains a privately-held company in business for over 160 years. Sakura Finetek has achieved its success and solidified its reputation by providing timely, ingenious solutions to the real challenges 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 customers' requirements. We use this knowledge to passionately develop products that anticipate developments in both technology and market needs.

Sakura Finetek USA, Inc. (SFA) is based in Torrance, California. Functions covered at this facility include sales and marketing, service and technical support, R&D, and manufacturing.

SFA is an ISO 13485 certified manufacturer and supplier. As one of the two global manufacturing and R&D sites, SFA develops instruments and reagents into system solutions and secures our innovation with a steady stream of patents.

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Our organization is developing, professionalizing and growing continuously, and thus maintaining its position as a trustworthy and valuable partner in histopathology.

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