

The New Era in Rapid Tissue Processing



Tissue-Tek® Xpress® x Series

SAKURA

Rapid Tissue Processors

Revolutionary Next Generation x Series Tissue Processors

Standardized Processing in Record Time

- Delivers unprecedented productivity and maximizes staff efficiency
- Eliminates work bottlenecks, dramatically improving workflow
- Provides same-day diagnosis for rapid turnaround time
- Affords outstanding time and cost savings, as well as increased staff safety
- Produces standardized, accurate results paralleling those of overnight processing

Greater efficiency in the laboratory and improved overall patient care.

Positive Impact on Pathology

- Utilizes breakthrough microwave technology, optimized molecular-friendly reagents, and proven vacuum infiltration techniques
- Enables continuous specimen loading for an even distribution of cases throughout the day
- Allows compatibility with all protocols: H&E, special staining methods, immunohistochemistry, and in situ hybridization techniques
- Permits processing biopsy and routine specimens in the same run, while still maintaining specimen integrity

Complete tissue processing in approximately 1 hour!



Unveiling the Tissue-Tek® Xpress® x50

- Continuous throughput yields up to 440 cassettes in an 8-hour shift
- Load up to 40 cassettes approximately every 45 minutes
- Immerses specimens for 40 minutes in each of the 2 enclosed processing retorts with the standard program
- Contains one loading station

Xpress® x50 specifications

Product code #7750

85 (W) x 72 (D) x 162 (H) cm
[33 (W) x 28 (D) x 64 (H) in]

Weight 280 kg (617 lb)

115 VAC, 60 Hz, 12A, single phase
(dedicated line required)

Ideal for smaller or specialized workloads

 **Tissue-Tek® Xpress® x50**
Rapid Tissue Processor

Introducing the Tissue-Tek® Xpress® x120

- Continuous throughput yields up to 960 cassettes in an 8-hour shift
- Load up to 40 cassettes approximately every 20 minutes
- Immerses specimens for 15 minutes in each of the 4 enclosed processing retorts with the standard program
- Contains one loading and two unloading stations

Xpress® x120 specifications

Product code #7720

170 (W) x 71 (D) x 162 (H) cm
[67 (W) x 28 (D) x 64 (H) in]

Weight 459 kg (1012 lb)

200 VAC, 60 Hz, 15A, single phase
(Nema L6-20, dedicated)

Optimal for the expanding histology lab

 **Tissue-Tek® Xpress® x120**
Rapid Tissue Processor

Innovative Technology Delivers Remarkable Results

Absolute Automation and Intelligent Design

- Emphasizes a unique retort design, with advanced robotic and microwave technology
- Reduces reagent carryover with unique robotic features that vibrate each basket
- Enables increased tissue size with the use of enhanced reagents—up to 33% thicker compared to the previous generation
- Highlights intuitive menu screens and software that foster easy access to processing information
- Supports compatibility with the Tissue-Tek® AutoTEC® Automated Embedding System

Meets objective Lean and Six Sigma criteria.

Complete Tissue Processing With Only 2 Reagents

1. Processing reagent #1 fixates, dehydrates, and clears.



2. Processing reagent #2 promotes paraffin impregnation.



- Utilizes a unique blend of low power microwave and traditional technology
- Features consistent circular microwave patterns (Fig. 1)
- Low power and even temperature distribution eliminate hot and cold spots (Fig. 2)
- Continuous throughput eliminates batching bottlenecks
- Allows all specimen types to be processed in the same run

Groundbreaking Microwave Technology



Fig. 1. The whispering chamber effect.



Fig. 2. Exclusive agitation system.

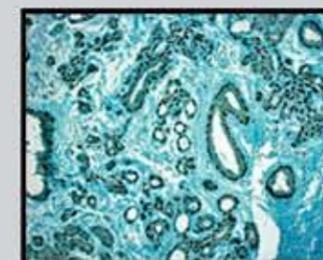
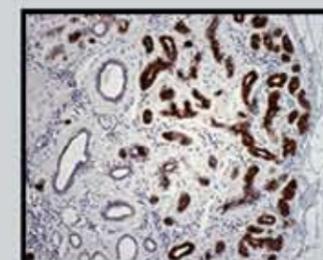
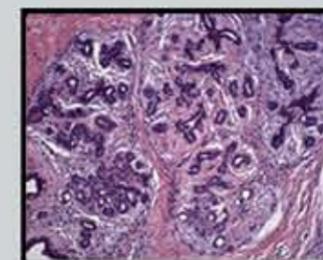
Novel System of Reagents for Distinct Detail

- Includes an exclusive paraffin formulation
- Preserves DNA, RNA, and proteins in the paraffin blocks of fresh tissues or tissues preserved in the Tissue-Tek® Xpress® Molecular Fixative
- Eliminates the use of formalin and xylene, minimizing waste management costs
- Virtually eliminates chemical exposure due to closed system
- Features easy-to-use processing reagent sets
 - x120 – two 3.8 L bottles of reagent #1 and two 3.0 L pouches of reagent #2
 - x50 – one 3.8 L bottle of reagent #1 and one 3.0 L pouch of reagent #2

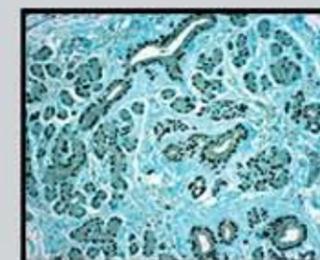
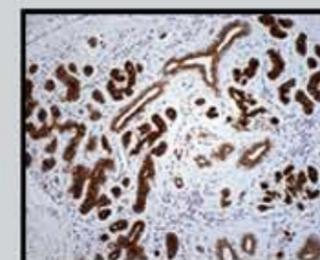
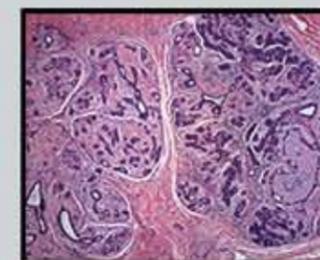
The Tissue-Tek® Xpress® x Series technology and reagents provide exceptionally sharp morphology and nuclear detail that pathologists expect and require for accurate examination and diagnosis.



Conventional Processing



Tissue-Tek® Xpress® x Series Processing



The x120 uses 2 rapid changes of reagents and paraffin

Tissue-Tek® Xpress® x Series
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Rapid Tissue Processors

Specimen Standardization With Accu-Edge® Grossing Tools

Cutting-Edge Tools Specially Designed for Uniform Results

- Grossing board has two adjustable wells to accommodate specimens of varying size and thickness
- Grossing forks feature two sets of sharp tines separated by a space of 1.5, 2.0, or 2.5 mm for precise grossing of the most difficult tissues
- Tissue tampers hold specimens firmly in the wells for easier trimming
- Scalpel and trimming blades provide unsurpassed blade-edge sharpness for maximum cutting efficiency

The critical foundation necessary for uniform grossing and optimal processing results.



The enhanced grossing wells allow for either left- or right-hand operation and can even be used on top of traditional grossing boards.

We offer an extensive line of grossing boards and wells:

- 4800—Tissue-Tek® Accu-Edge® Grossing Board, with Wells Standard
42.3 (L) x 29.3 (W) x 2.5 (H) cm
- 4801—Tissue-Tek® Accu-Edge® Grossing Board, with Wells Large
42.3 (L) x 59.9 (W) x 2.5 (H) cm
- 4802—Tissue-Tek® Accu-Edge® Grossing Wells
33.0 (L) x 8.6 (W) x 5.7 (H) cm
- 4812—TissueTek® Accu-Edge® Grossing Board, Large
42.3 (L) x 29.3 (W) x 2.5 (H) cm

Visit our web site at www.sakuraus.com



Trusted Innovation™

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