

Superior sectioning results – perfectly simple

Epredia Rotary and Sliding Microtomes for research and clinical laboratories

epredia



Section safely with excellent quality

Microtomes from Epredia are designed to be precise and stable, helping to yield superior sectioning results for even the most difficult-to-cut paraffin sections.

Designed with the end user in mind

- With both automatic and manual options available, we have the right fit for your lab

Specificity in action

- User-friendly control panels facilitate flexibility
- Fully-adjustable to ensure the correct thickness

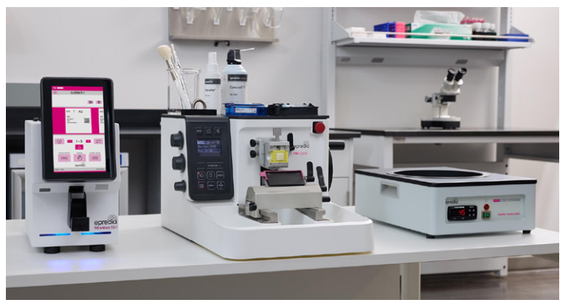
Non–tiring comfort

- Ergonomic designs with integrated waste trays to save you time and energy
- User safety with emergency stop feature on HM 355S Automated Microtome

The total solution

Variety of low- and high-profile blades that offer consistency, durability and performance

- Epredia Cool-Cut and Epredia™ Section Transfer System™ (STS) assist in placing wrinkle-free sections on glass microscope slides
- Get peace of mind with Epredia service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory



Lean sectioning

Improve workflow at the microtome by transferring sections directly onto slides as they are generated. Combining an Epredia microtome with a water bath and Epredia™ SlideMate™ slide printer streamlines workflow and reduces risk of sample identification errors.

Sliding Microtomes

Epredia sliding microtomes – smart choices for reliability, comfort and versatility.



Manual

HM 430

A manually operated microtome suitable for a range of botanical samples in addition to anatomical tissue.

- Variable stoke length to meet specimen requirements
- Accommodates specimens up to 80 mm x 60 mm
- Coaxial specimen orientation and memory function for rapid re-orientation of pre-cut blocks
- Choice of manual or automated advance

HM 430 manual microtome	910010
Low-profile blade carrier	705200
High-profile blade carrier	705340
Standard specimen clamp	715480



Automated

HM 450

An automated sliding microtome with additional capability for cutting large and hard specimens.

- Choice of manual or mechanized operation
- Coaxial specimen orientation and memory function for rapid re-orientation of pre-cut blocks
- User-friendly control panel for easy operation
- Optional retraction to protect specimen

HM 450 fully automated microtome	910020
Low-profile blade carrier	705200
High-profile blade carrier	705340
Standard specimen clamp	715480

Rotary Microtomes

Designed for precision and stability to help labs achieve quality ribbons even with difficult-to-cut paraffin sections.



Manual

HM 325

A premier manual rotary microtome with additional capability to support rapid set-up and cleaning for improved workflow.

- Wrap-around, detachable waste tray for safe and speedy debris collection and disposal
- XY fine orientation and zero positioning for rapid re-orientation of pre-cut blocks
- Ultra-light touch, ergonomic flywheel
- Optional Epredia Section Transfer System supports workflow transition from ribbon to slide
- Compatible with Epredia Cool Cut to extend cutting periods for efficient step and serial sectioning

HM 325 manual microtome	
With E blade holder	902100A
With ER blade holder	902100ER



Semi-automated

HM 340E

A semi-automated rotary microtome combining mechanized feed with manual cutting.

- Memory function for specimen positioning with XY fine orientation and wraparound waste tray to speed up preparation and clean-up
- Ergonomic removable control panel to suit user preferences
- Compatible with Epredia Section Transfer System and Epredia Cool Cut

HM 340E semi-automated microtome	
With E blade holder	905190A
With ER blade holder	905190ER



Automated

HM 355S

The HM 355S microtome delivers an intuitive, ergonomic experience, with thoughtful features to enhance convenience, comfort and safety.

- Extra large top surface to keep tools and accessories close by
- Anti-static waste tray for quicker clean up
- Separate top tray for easy clean up
- Rocking mode with thumb notch allows handwheel to be easily “rocked” into a forward position
- High-contrast blade holder for section visibility
- Ergonomically enhanced lever grip for smoother, more effortless operation
- Interchangeable control knobs for user preference
- Ergonomic, removable control panel can be placed on either side of microtome
- Highlighted safety guard for increased visibility and safety
- Unique “double-tap” startup is designed to prevent accidental operation
- No speed adjustment between trimming and sectioning with Auto Velocity Reduction function

HM 355S fully automated microtome	
With E blade holder	905200A
With ER blade holder	905200ER

E Style



ER Style



Blade holders

Our blade holders utilize a quick clamp system that accepts low and high profile blades. Knife guard covers the entire blade in any position.

E Style

- Blade is protected on all sides, leaving it less exposed
- Features direct loading of low-profile Epredia blades

ER Style

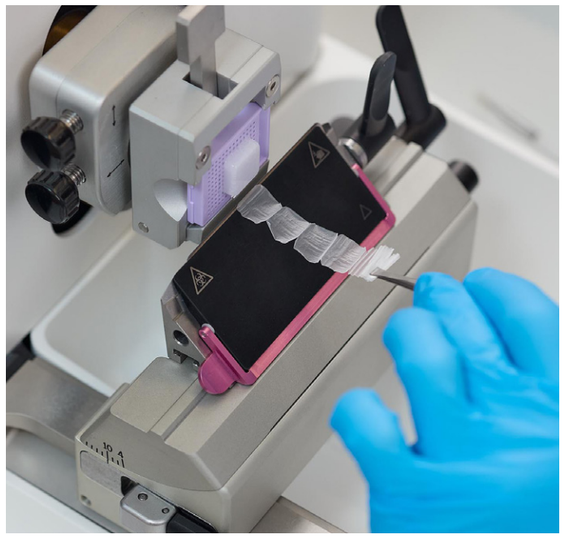
- Compatible with large format cassettes.
- Blade clamp plate can be moved laterally without releasing clamp

Compare Epredia Microtomes

	HM 355S	HM 340E	HM 325	HM 450	HM 430
Cutting Method	Rotary	Rotary	Rotary	Sliding	Sliding
Cross-roller bearing vertical guideways	✓	✓	✓		
Specimen trimming	✓	✓	✓	✓	
Selectable specimen retration	✓	✓	✓	✓	
Detachable operation panel	✓	✓			
Coarse advance	Electric	Electric	Manual	Electric	Manual
Stepping motor technology	✓	✓		✓	
Section thickness	0.5-100 µm	0.5-100 µm	0.5-60 µm	0.5-100 µm	0.5-60 µm
Trim thickness	5-500 µm	5-500 µm		5-500 µm	
Max Stroke	72 mm	72 mm	64 mm	190 mm	190 mm
Electronic sectioning	✓				
“Rocking” mode	✓	✓			
Integrated, removable waste tray	✓	✓	✓	✓	✓
Anti-static waste tray	✓				
Compatible with Cool-Cut	✓	✓	✓		
Compatible with Section Transfer System (STS)	✓	✓	✓		
Compatible with Large Format Cassettes	✓[1]	✓[1]	✓[1]	✓	✓
Resin cutting capability	✓				

[1] When using ER blade holder.

Histological examination continues to be the gold standard for detection, diagnosis and characterization of many clinical conditions





Discover the efficiencies of a complete sectioning solution

Pair an Epredia rotary microtome with the Epredia Cool-Cut™ paraffin block cooler and the Epredia Section Transfer System™ (STS) to improve quality and efficiency and to prevent damage to the tissue during manual transfer.





Cool-Cut™ Paraffin Block Cooler

- Maintains a cool, consistent temperature for paraffin blocks during the sectioning process
- Eliminates the need to repeatedly ice down blocks
- Particularly effective during extended cutting periods for step or serial sections
- Fast-freezing Peltier device fits directly onto the specimen cylinder of the microtome and can be equipped with a universal cassette clamp or a standard specimen clamp

Ordering Information	
Cool-Cut Paraffin Block Cooler with universal cassette clamp	771110
Cool-Cut Paraffin Block Cooler with standard cassette clamp	771120

Section Transfer System™ (STS)

- Sections flow directly to water bath preventing wrinkling or curling of sections or ribbons
- Eliminates manual transfer of the sections into a water bath
- Adjustable water flow rate avoids tissue section damage, allowing for more usable sections per block
- Specially designed disposable blade holder supports the transfer ramp
- Illuminated, aluminum water bath offers excellent section visibility
- User-selectable water temperature from ambient temperature up to +50 °C

Ordering Information	
Section Transfer System for Epredia rotary microtomes	771200

Microtome Blades

Precision that holds its edge

The Epredia Difference

- Blades designed for various tissues
- Steeper bevel angle profile facilitates fast ribboning
- Enhanced user safety with unique blade box for loading into Epredia E style microtome blade holders



MX35 Ultra+

Designed for longevity, our most advanced microtome blade maintains excellent sectioning quality throughout the blade use.

- Unique manufacturing process creates a strong edge for consistent section quality
- Enhanced longevity with PTFE hard and extra-hard coatings
- Maintains high quality sections in hard tissue 59% longer than Epredia Ultra blades*

* Based on internal data

Catalog no.	Description	Edge Angle	Soft Tissue	Hard Tissue	Thin Sectioning	Cryostat
Low Profile						
3054835 MX35 Ultra+™	Two-layer extra-hard PTFE coating and proprietary steel hardening for outstanding longevity. Excellent for all FFPE tissue types, especially hard tissue, and frozen sections.	34°	++	+++	++	++
3053835 MX35 Ultra™	Proprietary steel hardening and hard PTFE coating for excellent longevity. Excellent for FFPE tissue types and frozen sections.	34°	++	++	++	++
3052835 MX35 Premier +™	For a variety of tissues and high-quality thin sections with hard PTFE coating.	34°	+	++	+	+
3051835 MX35 Premier™	Hard PTFE coating for routine applications.	34°	+	+	+	+
3050835 MB35™ Premier	Soft PTFE coating for routine applications.	34°	+	+	+	+
3050822 MB22 Premier™	Steeper blade angle and soft PTFE coating for easier extra-thin sectioning.	22°	+	–	++	++
High Profile						
3153735 HP35 Ultra™	Proprietary steel hardening and hard PTFE coating for excellent longevity. Excellent for FFPE tissue types and frozen sections.	34°	++	++	++	++
3150734 HP35™	Hard PTFE coating for routine applications.	34°	+	++	++	

+ Better
++ Best
+++ Enhanced

Find out more at **epredia.com**

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