

Minux® Rotary Microtomes

Rotary microtome is a device for paraffin section, widely used in medical and biological research. It is used for pathological diagnosis in clinical, and used for research at the tissue and cell level.



► Features:

Visual pointer

- » Visible angle adjustment. When adjusting the angle of different tilt tissue, reduce trimming, thereby reducing tissue sample waste.
- » Adjust multiple devices to the same angle easily and quickly.

Side knob

- » Integrated with the body, ergonomic design, more comfortable operation.
- » The sample feeding speed can be adjusted freely between 0-1800um/s, more humanize and efficient.
- » Durable German-made military-grade devices. Operation life is more than 10 million times.

Automatic section

- » It is stable and maintains slice consistency.
- » Some specimens such as embryos and brains need to be cut for hundreds of pieces. It is hard for you, but easy for automatic section.

Easily removable waste tray

- » With magnetic function, easy to disassemble and install.
- » Antistatic waste tray, easy to clean up, shorten the cleaning time to a few seconds.



► Product Advantage



High quality sectioning

- **Application:** puncture sample section
- **Advantage:** precise section, uniform thickness, good continuity



Visual pointer

- **Application:** when you adjust the angle of the sample holder, or when you need to adjust different microtomes to the same angle
- **Advantage:** visible angle adjustment, precisely adjust the direction of the sample holder, easy to operate, saving time and effort. Quickly adjust different microtomes to the same angle. Samples are sliced at the same angle, to reduce sample waste.



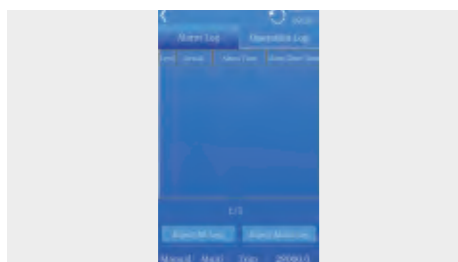
Side sample feeding knob

- **Application:** coarse feed
- **Advantage:** ergonomic design, the knob integrated with the machine, more comfortable operation. Adjustable feed speed, the larger the knob angle, the faster the injection speed, to improve the efficiency.



Easily removable waste tray

- **Application:** clean up waste
- **Advantage:** special coating, easy to clean, reduce cleanup time from minutes to seconds.



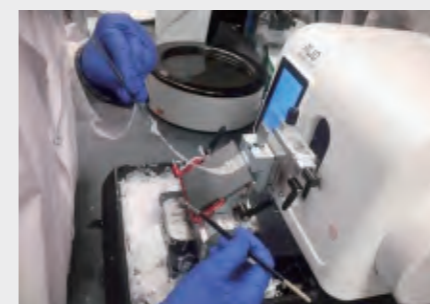
The historical record system

- **Application:** public equipment management
- **Advantage:** view all operation and alarm logs, and the data can be exported through the USB port, to facilitate information tracking. Data storage: slice count to 2million, total slice thickness to 20million μm.

► Technical Parameters

| Model | S700 Semi-Automated | S700A Automated |
|--|---------------------|-----------------|
| Section thickness setting range: 0.50 - 100 μm | ✓ | ✓ |
| Trimming section thickness setting range: 1 - 800 μm | ✓ | ✓ |
| Electric sectioning speed: 0-1800μm | ✓ | ✓ |
| Specimen retraction: 0-250μm | ✓ | ✓ |
| Specimen feed: 28mm, Vertical stroke: 70mm | ✓ | ✓ |
| Specimen orientation: X/Y axis 8°, Z axis 360° | ✓ | ✓ |
| Maximum specimen size: 55*50*30mm | ✓ | ✓ |
| Automated mode and manual mode switch | | ✓ |
| Emergency stop button | | ✓ |
| Cut window function | | ✓ |
| Slice speed selection | | ✓ |
| Four slice modes: Int., Single, Cont., Multi. | | ✓ |
| Pedals | | ✓ |

United States-Northwest University



Flat and smooth, with uniform thickness



Show results

► Order Information

| Cat No. | Product Description |
|---------|--|
| S700A | Fully-Auto rotary microtome, include a pedal, a box of blade(50 pcs) |
| S700 | Semi-Auto rotary microtome, include a box of blade(50 pcs) |
| S700-F3 | Universal clamp |
| S700-F4 | Standard clamp |
| S700-F7 | Blade holder assembly |
| S700-F9 | Blade holder upper bracket |
| S700-F5 | Easy-clean waste tray |
| S700-F6 | Antistatic waste tray |

Minux® Cryostats

Introduction

Cryostat is a device for rapidly cooling tissue to a certain hardness under low temperature conditions and then slicing. It is a quick and easy method. Hospitals mainly use it for rapid pathological diagnosis during surgery. Researchers use it for preparation of biological tissue samples for in situ hybridization, immunohistochemistry, etc.



Features

High quality sectioning

- **Advanced temperature control system:** small temperature fluctuation range, more precise temperature control. It helps cut out high-quality slices.
- **Visual pointer:** sample adjustment angle can be displayed directly. It facilitates the precise adjustment of the sample to reach the target position.
- **Specimen cooling system:** specimen cooling system (optional) maintains the ideal object temperature for specific specimens through various methods including compressor, refrigerant, electronic refrigeration.
- **Anti-roll function:** the optional vacuum sectioning aid achieves time-saving section preparation and reduces section curling.

Safety

- **UVC disinfection:**
 - For an extra measure of safety, the inside of the instrument features an ozone-free UVC disinfection system.
 - UVC disinfection at any time and temperature.
- **Section Waste Removal System:**
 - Section waste is easily removed by using section Waste Removal System (optional) during trimming.
 - To protect the laboratory environment from contamination, inner loop design to deal with the air from the removal system.
- **Ergonomic design:**
 - Ergonomic exterior cabinet design with rounded edges and comfortable working height.
 - For individual user comfort, the height adjustable foot rest are available as optional accessories.

Efficient and convenient

- **Quick operation:**
 - Touch screen design, intuitive and easy to operate.
 - Supplemented with joystick and buttons to control, multiple operation ways to fulfill user's different needs.
- **Auto section:** for extra ease of use and consistent sectioning of all specimen types, an optional auto section is available.
- **Separate defrosting:** manually defrost the quick-freezing table, sample head, and cabinet separately.
- **Waste liquid bottle reminder function:** display of the water level, reminder of full bottle and bottle not in place to prevent the water from accidentally flowing out.
- **Label design of sample holder:** convenient to record the sample and prevent the samples from being mixed up.

Technical Parameters

| Model | FS800 Semi-Automated | FS800A Automated |
|--|----------------------|------------------|
| Section thickness setting range: 0.50 - 100 μm | ✓ | ✓ |
| Trimming section thickness setting range: 1 - 800 μm | ✓ | ✓ |
| Electric sectioning speed: 0-1800μm adjustable | ✓ | ✓ |
| Specimen retraction: 0-250μm | ✓ | ✓ |
| Specimen feed: 28mm | ✓ | ✓ |
| Vertical stroke: 70mm | ✓ | ✓ |
| Specimen orientation with visual pointer: X / Y axis 8°, Z axis 360° | ✓ | ✓ |
| Number of refrigerated sites: 15 | ✓ | ✓ |
| Number of fast cooling sites: 2 | ✓ | ✓ |
| Freezer refrigeration temperature: 0°C ~ -35°C | ✓ | ✓ |
| Sample holder minimum cooling temperature: -50°C | ✓ | ✓ |
| Automated mode and manual mode switch | | ✓ |
| Emergency stop button | | ✓ |
| Cut window function | | ✓ |
| Slice speed selection | | ✓ |
| Four slice modes: Int., Single, Cont., Multi. | | ✓ |
| Pedals | | ✓ |

Order Information

| Cat No. | Type | Product Description |
|---------|----------|---|
| FS800 | UV | Semi-Auto, with UVC disinfection function |
| | Specimen | Semi-Auto, with UVC disinfection, specimen cooling system |
| | Vacuum | Semi-Auto, with UVC disinfection, Vacuum, specimen cooling system |
| FS800A | Auto | Fully-Auto, with UVC disinfection, specimen cooling system, auto section function |
| | Max | Fully-Auto, with UVC disinfection, vacuum, specimen cooling system, auto section function |

Pathology Consumables

► Disposable Microtome Blades-low profile



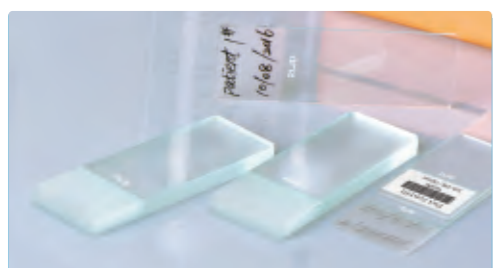
► Features:

- Sharp and durable, cost-effective
- For rotary microtomes and cryostats use
- Packed in a push-out distribution box for easy access

Order Information

| Cat No. | Product Description |
|---------|---|
| PB-1 | Disposable Microtome Blades, 80mm*8mm*0.25mm, 50 pcs, for paraffin and frozen section |

► Single Frosted Microscope Slides



► Features:

- It can be marked by traditional labeling method, 2B pencil and designated marker. Not available for print.
- There is a 20mm long frosted writing surface on one side of one end, which can withstand common chemicals and dyes.

Order Information

| Cat No. | Size | Package | Product Description |
|---------|-------------|---------------------------|---|
| SF-1 | 25x75x1.1mm | 50pcs/box, 2500pcs/carton | Pathological grade, polished edges, 45° angle |

► Microscope Paint Slides



► Features:

- With special white painted writing surface.
- Available for print, effectively reduce the possibility of human error and improve the sample's identification and traceability

Order Information

| Cat No. | Size | Package | Product Description |
|---------|-------------|---------------------------|--|
| MS-1 | 25x75x1.1mm | 50pcs/box, 2000pcs/carton | Pathological grade, polished edges, 45° angle, white, for inkjet/thermal printer |
| MS-1 | 25x75x1.1mm | 50pcs/box, 2000pcs/carton | Pathological grade, polished edges, 45° angle, white, for laser printer |

► Adhesion Microscope Slides



► Features:

- Suitable for immunohistochemical staining; routine H&E and eosin staining of special tissue sections like brain, adipose, skin, bone; tissue chip.
- Carrying long-lasting positive charges, which can tightly fix tissue sections or cells on the surface of the slide. Excellent performance in acid and alkali antigen repair solution.

Order Information

| Cat No. | Size | Package | Product Description |
|---------|-------------|---------------------------|---|
| AS-1 | 25x75x1.1mm | 50pcs/box, 2000pcs/carton | Positively charged slide, white, Suitable for manual immunohistochemical staining, Leica and Dako automatic immunohistochemical staining |
| AS-1 | 25x75x1.1mm | 50pcs/box, 2000pcs/carton | Super hydrophilic adhesive slide, white, Suitable for Roche Ventana automatic immunohistochemical staining, as well as centrifugal, membrane and sedimentation liquid-based cytology production |

► Microscope Cover Glass



► Features:

- Pure white flat glass material, with good optical performance, stable molecular structure, flat surface and highly consistent size.
- Packed in hinged plastic box and vacuum-packed with independent aluminum foil.
- For manual operations of histopathology, cytology, urine analysis, and microbiology, such as manual sealing, manual blood smear, etc.

Order Information

| Cat No. | Size | Package | Product Description |
|---------|--------------------------------|----------------------------|---|
| MC-1 | 24×50mm, thickness 0.13-0.16mm | 100pcs/box, 2000pcs/carton | For manual operations of histopathology, cytology, urine analysis, and microbiology |

► Tissue Embedding Cassettes



► Features:

- Siamese breakable design, simple and convenient operation.
- P.O.M material, resistant to corrosion by various chemical solvents during tissue treatment and embedding.
- 45° writing surface, suitable for most inkjet, thermal transfer, automatic printers.
- The drawer-type middle box is more convenient to store and take.

Order Information

| Cat No. | Size | Package | Product Description |
|---------|------------------------------|----------------------------|--|
| TE-1 | Long hole shape, 5.0mmx1.0mm | 250pcs/box, 2000pcs/carton | Lid with break, white, suitable for inkjet and thermal printer, suitable for routine histology samples |
| TE-2 | Long hole shape, 5.0mmx1.0mm | 250pcs/box, 2000pcs/carton | Lid with break, white, suitable for laser printer, suitable for routine histology samples |
| TE-3 | Fine grid hole, 0.9mmx0.9mm | 250pcs/box, 2000pcs/carton | Lid with break, white, suitable for inkjet and thermal printer, suitable for biopsy samples |
| TE-4 | Fine grid hole, 0.9mmx0.9mm | 250pcs/box, 2000pcs/carton | Lid with break, white, suitable for laser printer, suitable for biopsy samples |