



Cryostat Microtomes

Manual
Semi-Automatic
Fully Automatic



A High Performance
Cryostat Microtome
for consistently accurate frozen
tissue sectioning in histology
and clinical pathology



Semi Automatic Cryostat Microtome



High throughput Clinical **CRYOSTAT** is **Fully programmable** for temperature control, **Section Thickness, Retraction** and a **Large Touch screen display** clearly shows **all the functions and parameters** floor standing cryostat with **cross roller & encapsulated, splash proof microtome with peltier cooling system. Spacious stainless-steel cryo-chamber** mounted on heavy duty lockable castors with **antiglare LED illumination**

Technical Specifications

SPECIFICATIONS	
Section Thickness Range	1 - 100 µm
Increment Range (I)	1 - 5 µm in 0.5 µm increment
Increment Range (II)	5 - 20 µm in 1 µm increments
Increment Range (II)	20 - 60 µm in 5µm increments
Increment Range (III)	60 - 100 µm in 10µm increments
Trimming Thickness Range	1 µm - 100 µm
Increment Range (I)	1 - 5 µm in 0.5 µm increment
Increment Range (II)	6 - 20 µm in 1 µm increments
Increment Range (II)	21 - 100 µm in 5µm increments
Maximum Specimen Size	50x80mm
Horizontal Specimen Feed	30mm
Vertical Specimen Stroke	60mm
Motorized Coarse Feed	600µm/sec & 900 µm/sec
Specimen Retraction	20µm can be switch off
Specimen Orientation	± 8° (X, Y axis) & Z axis 360°
Cryo Chamber Temp.	0°C to -35°C
Cooling Downtime	90 mins.
Specimen holder temperature	-10°C to 50°C
No. of Peltier	2
Lowest Temp. of Peltier Unit	-35°C
No. of Freezing Stations	20
Temp. Quick Freezing Shelf	-42°C (Capable to hold 8 specimen)



MCM-STA
Fully Automatic
Cryostat Microtome



MRM-RM

Cryostat at a Glance

- Dual compressor cooling system for cryochamber and specimen head.
- Easy to clean & disinfect.
- Stable, self-contained cryo- cabinets on casters.
- Adjustable Cutting Angle
- Easy to handle and stable clamping system for clamping the specimen disc.
- Automatic hot gas defrost with one programable defrost cycle at 15 minute intervals - duration 12 minutes.
- Enclosed Drainage System
- Low maintenance rotary microtome with cross-roller guides in stainless steel with cover.
- Reproducible high quality thin sections via stepper motor specimen feed.
- Section thickness selection from outside the cryochamber.
- Section cutting via handwheel lockable at any position.
- Adequate LED illumination of cry chamber with separate on/off function and automatic mode.
- Defrosted manually or via automatic hot-gas defrosting once every 24 hours with interrupt key.
- Large stainless steel cooling chamber with plain surfaces and draining system, easy to clean and disinfect.
- UV-C surface disinfection is also factory defined at 30 to 180 minutes.
- Automatic safety shut-off of disinfection cycle when sliding window is opened.
- Acoustic warning Visual indication of specimen stop position Front/Home
- Acoustic warning signal for accidental initiation of defrost cycle.
- Outer surface and controls of instrument coated with anti-microbial coating to reduce risk of infection.
- Instrument CFC free, Eco friendly & non toxic.
- Blade Holder for low & high profile disposable blade with Lateral displacement & glass Anti-roll Device with antistatic feature to facilitate perfect stretching of tissue section and also operated through a precisely defined gap geometry.
- Heated removable sliding glass Window
- Specimen preparation zone is actively cooled and easy to clean
- Digital display for cryochamber temperature, actual time, defrost time, section thickness selection section counter remaining travel to front end position.
- Control panel with membrane protected button & self explanatory symbols for all essential function and display and lock key.
- Two-part modular configuration allowing flexible without reducing working space.
- Waste removal tray inside the chamber.
- Actively cooled specimen preparation zone
- Smooth operating handwheel with force compensation.



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Other Products from MEDIMEAS



Automatic Tissue Processor



Fully Automatic Microtome



Slide Staining Machine



is3ue Embedding & Cooling System

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