ADVANCE SCIENCE

INNOVATION | PRECISION | PERFORMANCE

CRYOSTAT MICROTOME

MODEL NO. AS-CM-76

Advance Science Cryostat Microtome is a high precision instrument designed for rapid freezing and accurate sectioning of tissue specimens. It features advanced cooling technology, motorized sectioning, and user-friendly operation, making it ideal for histopathology, research and clinical laboratory applications.



- RAPID FREEZING
- AUTOMATIC SECTIONING
- HIGH ACCURACY
- WIDE SECTION THICKNESS RANGE
- EASY OPERATION
- STABLE & RELIABLE

TECHNICAL SPECIFICATIONS

Parameter	Specification
Confirmity to Manufactures Certification	ISO 9001 & ISO 13485
Type of microtome sectioning	Automatic microtome
Operation of microtome coarse feed	Slow: 500-600 & Fast: 800-900
Max Specimen size	50 x 80 mm
Section cutting via hand wheel	Both manual and motorized automatic
Provision of hand wheel lock	1 mechanical & 1 electronic via emergency brake
Chamber illumination light	Bright white light
Specimen cooling temperature in Peltier element cooling area	-45 ±5 °C
Section thickness range (µm)	1 to 100 1.0 µm – 5.0 µm in 0.5 µm steps 5.0 µm – 20.0 µm in 1.0 µm steps 20.0 µm – 60.0 µm in 5.0 µm steps 60.0 µm – 100.0 µm in 10.0 µm steps
Trimming thickness range (µm)	5 to 100 1.0 µm – 10.0 µm in 1.0 µm steps 10.0 µm – 20.0 µm in 2.0 µm steps 20.0 µm – 50.0 µm in 5.0 µm steps 50.0 µm – 100.0 µm in 10.0 µm steps
Provision of automatic specimen retraction on return stroke	Yes
Pkt of disposable blades	2
Freezing medium 120 ml bottle	2
Chucks	8
Provision of UPS	Yes
Backup time (hours)	1

KEY FEATURES

- Automatic cryostat microtome for precise and reliable sectioning.
- Peltier element cooling with temperature -45 ±5 °C.
- Wide section thickness range (1–100 µm).
- Both manual and motorized automatic sectioning via hand wheel.
- Mechanical and electronic hand wheel lock with emergency brake.
- Bright white chamber illumination.
- Automatic specimen retraction on return stroke.
- Comes with disposable blades, freezing medium and multiple chucks.
- UPS provision with 1 hour backup.
- Compliance with ISO 9001 & ISO 13485 standards.

APPLICATIONS

- Histopathology Laboratories
- Pathology Departments
- Research Institutes
- Medical & Academic Institutes
- Clinical Laboratories
- Pharmaceutical Research
- Biological Research
- Life Science Applications

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