



CRYOSTAT MICROTOME LCRY-A10

Cryostat Microtome LCRY-A10 is a semi-automatic and advanced cryostat microtome comprised with retractable freezing chamber of -35°C to 40°C temperature range and quick-freezing shelf with -40°C of minimum temperature. Features section thickness of up to 100 µm, 2 switchable semi-conductor freezing points and 18 specimen holder freezing point with Slice number and thickness calculation. Designed with anti-fog heating glass and one-time injected model cover, this cryostat microtome has light and smooth handwheel with locking device and specimen clamp with high precision guide rails to cut hard sample, ensures smooth transmission. Incorporated with CLC touch screen, manual/auto defrost & hibernation, Semi-conductor refrigerant, 2 movement speeds of specimen clamp, this cryostat microtome is provided with UV sterilization, makes it an ideal unit for efficient sectioning of large numbers of specimen.

Features

- ❑ A semi-automatic and advanced cryostat microtome with retractable freezing chamber of -35°C to 40°C temperature range
- ❑ Quick-freezing shelf with -40°C of minimum temperature and Semi-conductor refrigerant
- ❑ 2 switchable semi-conductor freezing points and 18 specimen holder freezing point
- ❑ Anti-fog heating glass and one-time injected model cover with CLC touch screen
- ❑ Light and smooth handwheel with locking device, to ensure user's safety
- ❑ Specimen clamp with high precision guide rails to cut hard sample
- ❑ Manual/Auto defrost & hibernation with UV sterilization
- ❑ 2 movement speeds of specimen clamp with slice number and thickness calculation
- ❑ An ideal unit for efficient sectioning of large numbers of specimen
- ❑ Highly-efficient, stable and reliable with smooth transmission

Application

Cryostat microtomes are used in medicine, science, and engineering to perform or assist with tissue preservation and for slicing tissues thin enough for microscopic examination.

Specifications

Model	LCRY-A10
Section thickness setting range	0 to 100 μm
Freezing chamber temperature range	-35°C to 40°C
Defrost	Auto/manual
Quick freezing shelf minimum temperature	-40°C
Specimen holder freezing points	18
Semi-conductor freezing points	2 (switchable)
Vertical specimen stroke	59 mm \pm 0.5 mm
Horizontal specimen stroke	25 mm \pm 1 mm
Specimen maximum size	55×55 mm
Specimen clamp maximum adjustable angle	X & Y axis: 12° Z axis: 360°
Sample slow forward and rewind speed	300 $\mu\text{m/s}$
Sample fast forward and rewind speed	900 $\mu\text{m/s}$
Display	CLC touch screen
Sterilization	UV
Refrigerant	R449A/ 400 g \pm 5 g
Refrigerating capacity	690 W
Power	650 VA
Power supply	AC 220/110 V, 50/60 Hz \pm 10%
Dimension (W×D×H)	780×700×1280 mm
Net weight	140 kg
Packaging dimension (W×D×H)	785×785×1336 mm
Gross weight	170 kg