



# CRYOSTAT MICROTOME LCRY-A20

Cryostat Microtome LCRY-A20 is an enclosed and advanced semi-automatic microtome with adjustable section thickness range of 1µm to 100 µm. Equipped with freezing chamber of -10°C to -40°C temperature range, adjustable and large cool plate temperature with minimum -45°C of temperature, features new designed hammer, 4 colours specimen chuck with adjustable peltier elements of minimum -60°C temperature, can hold 28 chucks at meantime. With adjustable chuck holder, 12° cutting angle and retraction function with 0 µm to 80µm of retraction range, this microtome offers 40 dB silent freezing system with dual compressor. Designed with injection moulding shell, handwheel with lock system, and anti-fog glass window, offers auto pump blade device to avoid incised wound, makes it an optimal unit for rapid pathological section analysis of tissues.

## Features

- ❑ An enclosed and advanced semi-automatic microtome with adjustable section thickness range of 1µm to 100 µm
- ❑ Freezing chamber of -10°C to -40°C temperature range with adjustable cool plate temperature with minimum -45°C of temperature
- ❑ New designed hammer for better platter of tissues, with 4 colours specimen chuck for convenient management
- ❑ Large size of cool plate can hold 28 chucks at meantime
- ❑ Adjustable peltier elements of minimum -60°C temperature with 2 cooling spots
- ❑ Adjustable chuck holder with 12° cutting angle, ensures flexibility and reliability
- ❑ Retraction function with 0 µm to 80µm of retraction range, to avoid specimen damage
- ❑ 40 dB silent freezing system with dual compressor for stable and uniform temperature
- ❑ Injection moulding shell, handwheel with lock system, and anti-fog glass window
- ❑ Auto pump blade device to avoid incised wound
- ❑ An optimal unit for rapid pathological section analysis of tissues
- ❑ High-efficient, stable and reliable with smooth transmission

## Application

Cryostat Microtome is widely used in hospitals, medical schools, forensics, animal and plant research units for pathological diagnosis, analysis, and research for rapid pathological section analysis of human body, animal and plant tissues, to perform or assist with tissue preservation and for slicing tissues thin enough for microscopic examination.

## Specifications

Model	LCRY-A20
Section thickness setting range	1 to 100 $\mu\text{m}$ : 1 $\mu\text{m}$ to 20 $\mu\text{m}$ , in 1 $\mu\text{m}$ increments; 20 $\mu\text{m}$ to 50 $\mu\text{m}$ , in 2 $\mu\text{m}$ increments; 50 $\mu\text{m}$ to 100 $\mu\text{m}$ , in 5 $\mu\text{m}$ increments
Trimming thickness range	10 to 400 $\mu\text{m}$ : 10 $\mu\text{m}$ to 50 $\mu\text{m}$ , in 5 $\mu\text{m}$ increments; 50 $\mu\text{m}$ to 100 $\mu\text{m}$ , in 10 $\mu\text{m}$ increments; 100 $\mu\text{m}$ to 400 $\mu\text{m}$ , in 50 $\mu\text{m}$ increments
Freezing chamber temperature range	-10°C to -40°C
Freezing shelf minimum temperature	-45°C
Peltier element minimum temperature	-60°C
Peltier element cooling spots	2
Chuck holder minimum temperature	-50°C
Chuck holder cutting angle	12°
Specimen stroke (Vertical $\times$ Horizontal)	70 $\times$ 20 mm
Maximum specimen size	50 $\times$ 80 mm
Rough feeding speed	0.9 mm/s; 0.3 mm/s
Retraction range	0 $\mu\text{m}$ to 80 $\mu\text{m}$ ; Adjustable in 5 $\mu\text{m}$ increment
Freezing system noise	40 dB
Compressor	Dual

Shell	Injection moulding shell
Handwheel type	Handwheel with lock system
Window	Anti-fog glass window
Blade holder	Auto pump blade device
Power	800 W
Power supply	AC 220/110 V $\pm$ 10%, 50/60 Hz
Dimension (W×D×H)	660×640×1130 mm
Net weight	125 kg
Packaging dimension (W×D×H)	785×785×1336 mm
Gross weight	180 kg