



# Cryostat Microtome LCRY-A30

Cryostat Microtome LCRY-A30 is a semi-automatic microprocessor-controlled microtome comprised with section thickness range of 1 to 100  $\mu\text{m}$ . Features quick freezing shelf,  $-5^{\circ}\text{C}$  to  $-35^{\circ}\text{C}$  temperature range of freezing chamber, freezing knife with  $0^{\circ}$  to  $15^{\circ}$  of angle adjustment, and 5 freezing place includes two freezing tray, freezing specimen holder, freezing box, and freezing knife. Equipped with LCD display, advanced actuation system and automatic defrost, this microtome offers UV lamp sterilization and fluorescent lamp for lighting. With automatic retraction and dual compressor, features anti-roll system with semi-automatic controlling of sectioning and trimming, allow to cut histological slides with smooth transmission.

## Features

- ❑ A semi-automatic microprocessor-controlled microtome comprised with section thickness range of 1 to 100  $\mu\text{m}$
- ❑ Quick freezing shelf with  $-5^{\circ}\text{C}$  to  $-35^{\circ}\text{C}$  temperature range of freezing chamber and freezing knife with  $0^{\circ}$  to  $15^{\circ}$  of angle adjustment
- ❑ 5 freezing place includes two freezing tray, freezing specimen holder, freezing box, and freezing knife
- ❑ LCD display, advanced actuation system and automatic defrost with UV lamp sterilization and fluorescent lightning
- ❑ Automatic retraction with semi-automatic controlling of sectioning and trimming
- ❑ Freezing system with dual compressor, ensures uniformity and stability
- ❑ Anti-roll system for flat, thin, even and continuous specimen slicing
- ❑ An ideal unit to cut histological slides 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-A30
Section thickness setting range	1 to 100 µm: 0 to 2 µm increment by 0.5 µm; 2 to 10 µm increment by 1µm; 10 to 20 µm increment by 2 µm; 20 to 50 µm increment by 5 µm; 50 to 100 µm increment by 10 µm
Trimming thickness range	10 to 400 µm; Adjustable
Freezing chamber temperature range	-5°C to -35°C (± 2°C)
Refrigerating table temperature range	-10°C to -55°C
Freezing head temperature	-5°C to -40°C
Freezing knife temperature	-5°C to -25°C
Refrigerating table capacity	≤18 specimen
Freezing knife cutting angle	0° to 15°
Specimen stroke (Vertical × Horizontal)	60/70 × 28 mm
Maximum specimen size	40 × 40 mm
Rough feeding speed	0.8 mm/s
Retraction mode	Automatic
Retraction range	0 µm to 500 µm
Sample automatic retraction	20 µm
Compressor	Dual
Defrost	Automatic
Sterilization	UV lamp

Lightning	Fluorescent
Display	LCD
Controller	Microprocessor
Power	560 W
Dimension (W×D×H)	660×640×1150 mm
Net weight	130 kg