

DAKEWE

6250

Cryostat Microtome



01 Reliable section quality

1. Exquisite mechanisms

Driven by precise motors and durable guide rails, Dakewe 6250 cryostat produces uniform section continuously and fears not heavy workload. 6250 cryostat works smoothly when sectioning different kinds of tissues, hard or soft, large or small.

2. Fulfill laboratory requirements

18 freezing stations and 2 Peltier elements on the large freezing shelf with clear number markings on the large freezing shelf aid specimen identification during sectioning.

3. Stable blade hold

The high-quality blade holder adapts to both high and low profile blades and has an arc design to minimize blade trembling.

02 Relaxing user experience

1. All crucial information at a glance

The large color touch screen on Dakewe 6250 cryostat allows for the display of important parameters and toggles. A side control panel is present for convenient operation.

2. Hassel-free components

The heat extractor is coated with an anti-sticking layer to prevent sticking. Anti-roll guide designed with clamp can be hold at any position flexibly. The freezing shelf is frost-free.



03 Cooling fast Cooling lasts

1. Powerful compressor

Continuous sectioning is made possible thanks to the quality compressor and smart temperature control algorithm.

2. Rapid cooling Peltier stations

The Peltier stations can rapidly reach and stabilize around -55°C to -60°C .

04 Innovative design We care for you

1. Schedule to fit your schedule

UV disinfection and defrosting can be activated as scheduled or manually to synchronize with the laboratory's routine. Dakewe 6250 can be switched to sleep mode according to the preset schedule and thus helps to save energy.

2. Throughout drying

Extra drying function allows for rapid expulsion of moist in the chamber, saves the time from naturally drying and provides better drying results.



Specifications

Trimming thickness range	1 — 600 μm
Trimming thickness	1 — 50 μm in 5 μm increments 50 — 100 μm in 10 μm increments 100 — 600 μm in 50 μm increments
Section thickness range	1 — 100 μm
Section thickness	1 — 20 μm in 1 μm increments 20 — 50 μm in 2 μm increments 50 — 100 μm in 5 μm increments
Retraction	0 — 200 μm in 5 μm increments , adjustable
Horizontal stroke	$25 \pm 1 \text{ mm}$
Vertical feed	$59 \pm 0.5 \text{ mm}$
Forward/backward speed	300 $\mu\text{m/s}$ (slow), 900 $\mu\text{m/s}$ (fast)
Freezing chamber temperature	-35 $^{\circ}\text{C}$ — 40 $^{\circ}\text{C}$ adjustable
Power	100 - 240 VAC, 50/60 Hz, 170 VA
Dimensions (WxDxH)	780 $\times$ 700 $\times$ 1280 mm, including handwheel
Weight	Approx. 120 kg

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