

DAKEWE

SUPERIOR QUALITY EXCELLENT SERVICE

About Dakewe

Dakewe was founded in 1999 and is headquartered in Shenzhen, China, with a regional office in Sacramento, US. Dakewe has more than 800 employees based both in China and overseas, providing quality products and excellent services to customers all around the globe.



CT520

CRYOSTAT MICROTOME

Multi-position temperature control
New choice for frozen section



DAKEWE

Dakewe Medical
Shenzhen, China
dakewe.us
enquiry@dakewe.com

DAKEWE CT520 CRYOSTAT MICROTOME
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MULTI-POSITION TEMPERATURE CONTROL NEW CHOICE FOR FROZEN SECTION

CT520

CRYOSTAT MICROTOME



Consistent and high quality sections

- Smooth and durable rail: the high-precision dual rail effortlessly handles heavy sectioning demand.
- High-precision feeding motor: explicit specimen feeding produces perfectly homogeneous section.
- Stable blade holder structure: steady blade holder guarantees consistent sectioning.
- Anti-roll guides: easily adjustable anti-roll guides spread sections to prevent curling, ensuring quality generation of sections.
- Brand new structure: externally allocated machine core enhances cooling efficiency, prevents damage to feeding system and requires less maintenance
- Flat specimen discs: allow specimen holders to contact immensely with freezing shelf so as to transfer heat at desired speed.

Convenient and efficient experience

- Temperature presets: choose freely from 3 customizable presets of temperature according to specimen types.
- High-capacity freezing chamber: features a 53 L large capacity freezing chamber with a freezing shelf that can quick-freeze up to 20 specimens at a time (including 2 Peltier stations) to keep up with heavy workloads.
- Specimen head position memory: specimen head can be reset to memorized specimen position with just one touch after replacing blocks.
- Handwheel movement detection enables automatic mode switch between trimming and sectioning without manual switching.
- Ultimate experience: ergonomic design and force balance system bring a smooth and fatigue-free operating experience.
- 12.1 inch color touch screen: minimal UI exhibiting necessary features and parameters, easy to learn and use.



Multi-functional control panel

Rapid selection and adjustment of specimen forward/backward movement, sectioning /trimming switching, temperature control.



Slide placement area

Easily accessible temporary slide storage



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New option for your laboratory



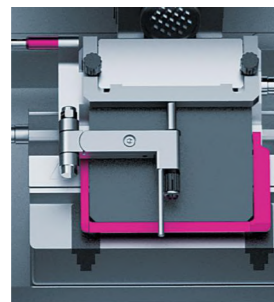
Multi-position temperature control

- Dual high performance compressors: powerful compressors and multiple groups of temperature sensors ensure precise temperature control, allow for separate temperature setting for the chamber, specimen holder, blade holder and freezing shelf, aiding in sectioning.



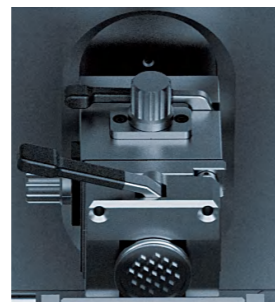
Freezing shelf

Adjustable temperature in accordance with specimen types to avoid over-freezing.



Blade holder active cooling

Actively cooled to -30 °C minimum with high precision temperature control



Specimen holder

Sensitive cooling adjustment offers adaptation to various temperature requirements



Peltier stations

Double peltier stations enable rapid cooling to -60 °C, eliminating ice crystal forming in specimens.

Innovative design

- Thorough UV disinfection: multiple sets of multi-dimensional UV disinfection lights significantly minimize the risk of biological contamination.
- Sensor light: brightness alterable lights illuminate operation area when the window is open.
- Anti-bacterial nano-silver coating: suppresses the reproduction of infectious microorganisms on surfaces.
- Condensate bottle liquid level monitoring: warning is prompted when condensate level reaches threshold.
- Auto defrosting: schedule multiple automatic defrosting according to your routine for thorough defrosting and optimal defrosting outcome.
- Low-noise operation: Intelligent algorithm of compressor working mode ensures efficient cooling while maintaining low-noise operation.

Specifications

General	
Section thickness range	1 - 100 µm
Specimen retraction	0 - 100 µm, 5 µm increments
Horizontal feed range	30 mm ±1 mm
Vertical stroke length	62 mm ±1 mm
Specimen orientation	± 8°
Max. specimen block size	55 x 80 mm
Refrigeration	
Freezing shelf temp. range	-10°C to -42°C ± 5°C (at room temp. 20°C)
Specimen holder temp. range	-10°C to -50°C ± 5°C (at room temp. 20°C)
Blade holder temp. range	-15°C to -30°C ± 5°C (at room temp. 20°C)
Peltier stations temp. range	-60°C (+ 3°C) at freezing shelf temp. -42°C (+5°C)
Freezing shelf stations	2
Peltier stations	18
Operation	
Rocking mode	Auto-recognition of trimming (Can be turned off)
Temp. setting	Multi-position temp. control 3 presets of temperature
Dimensions and weight	
Width x Depth x Height (including handwheel)	830 x 910 x 1300 mm
Weight (without accessories)	175 kg