

KD-3000 Cryostat

Features

- ▶ 10-inch color LCD touch screen , easy to operate.
- ▶ Low-voltage DC LED lighting: low power, soft light.
- ▶ UV disinfection: 15-minute cycles, can stop anytime.
- ▶ With Specimen retraction to promise the good section.
- ▶ One-click switch between section and trimming mode during operation.
- ▶ Counter displays total sections and thickness in real time.
- ▶ Can reach set temperature within 30 minutes once start up.
- ▶ Semi-conductor refrigeration, min. temp reaches -60°C.
- ▶ Features scheduled defrost and instant defrost modes.
- ▶ Smart sleep mode: chamber temp -5 to -15°C during sleep; reaches set temp within 15 minutes after wake, saving energy and extending lifespan.
- ▶ Hand wheel locking function: 360° locked at any position.
- ▶ Big cryo table for 24 tissue samples, including 6 semi-conductor cryo spots.
- ▶ Sample chuck auto-returns to start position when reaching limit.



Technical Specifications

Section Thickness Range	Increment
0.5~5 μm	0.5 μm
5~20 μm	1 μm
20~50 μm	2 μm
50~100 μm	5 μm

Trimming Section Range	Increment
5~50 μm	5 μm
50~100 μm	10 μm
100~600 μm	50 μm

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|---------------------------------------------------------|---------------------------------------------|
| ▶ Specimen retraction:0~60 μm Increment 2 μm | ▶ Max.specimen size: 55x80 mm |
| ▶ Freezer chamber temperature: +10°C ~ -60°C | ▶ Vertical stroke:65mm |
| ▶ Sample holder: +10°C ~ -60°C | ▶ Specimen feed:22mm |
| ▶ Time to reach -45°C for cryo table: 60 Min | ▶ Electric coarse feed: (0.9mm/s; 0.45mm/s) |
| ▶ Lowest temperature for cryo table: - 50°C | ▶ Working voltage: AC220V±10% 50Hz |
| ▶ Lowest temperature of quick-freeze Shelf: below -65°C | ▶ Power draw: ≥800W |
| ▶ Numbers of cryo spots: 18 (conventional) | ▶ Overall dimension: 700x760x1160 mm |
| ▶ Numbers of quick-freeze: 6 | ▶ Net weight: 135kg |