

Cryostat MCM-6000



This cryostat has applied a bunch of patents

Design features:

1. Cool plate:

Adjustable cool plate temperature with -45°C minimum

Super large, may hold 28 chucks at meantime

New designed hammer makes the tissues platter than the traditional one.

No condensation

4 colors of specimen chucks contribute a convenient management of specimens

Adjustable Peltier elements temperature, minimum is -60°C

2. Chuck holder:

Adjustable temperature with -50°C minimum

Cutting angle is 12° universally adjustable to meet varieties of needs

Retraction function to avoid scratches on specimen

3. freezing chamber

Adjustable temperature with -40°C minimum

Cleaning system

4. The handwheel can be locked at any position

5. Injection moulding shell with mild feeling is durable and easy to clean

6. 40 decibel silent freezing system with dual compressors made in Germany
7. Blade holder: auto pump-blade device may avoid incised wound
8. Anti-fog glass window

Technical specifications:

1. Freezing chamber temperature range: $-40^{\circ}\text{C}\sim-10^{\circ}\text{C}$
2. Freezing shelf minimum temperature: -45°C
3. Chuck holder minimum temperature: -50°C
4. Minimum temperature of Peltier element on freezing shelf: -60°C
Number of Peltier element cooling spot: 2
5. Maximum specimen size: 50mm×80mm
6. Chuck hold maximum adjustable angle: 12°
7. Specimen vertical stroke: 70mm
8. Specimen horizontal stroke: 20mm
9. Rough feeding speed: (0.9mm/s; 0.3mm/s)
10. Section thickness range: $1\mu\text{m}\sim100\mu\text{m}$ adjustable;
 - i. $1\mu\text{m}\sim20\mu\text{m}$, in $1\mu\text{m}$ increments;
 - ii. $20\mu\text{m}\sim50\mu\text{m}$, in $2\mu\text{m}$ increments;
 - iii. $50\mu\text{m}\sim100\mu\text{m}$, in $5\mu\text{m}$ increments.
11. Trimming thickness range: $10\mu\text{m}\sim400\mu\text{m}$ adjustable;
 - i. $10\mu\text{m}\sim50\mu\text{m}$, in $5\mu\text{m}$ increments;
 - ii. $50\mu\text{m}\sim100\mu\text{m}$, in $10\mu\text{m}$ increments;
 - iii. $100\mu\text{m}\sim400\mu\text{m}$, in $50\mu\text{m}$ increments.
12. Retraction range: $0\mu\text{m}\sim80\mu\text{m}$ adjustable, in $5\mu\text{m}$ increment
13. Voltage and frequency: AC220V±10%, 50Hz (Standard),
 - a) or AC110V±10%, 60Hz
14. Power: 800W
15. Net weight 125kg
16. Dimensions(W×D×H): 660×640×1130mm