

Technical Data Sheets

MC 5000 Microtome Cryostat



Histo-Line
Laboratories

The logo graphic for Histo-Line Laboratories, featuring a stylized blue and white shape that resembles a drop or a stylized 'L'.

MC 5000 Microtome Cryostat Dual Freezing System

UVC Lamp Decontamination Automatic Defrosting

Function and characteristic:

- Motorized drive.
- Chamber temperature down to -35°C
- Double Peltier unit for rapid freezing down to -50°C
- Automatic and manual defrosting
- The cutting and trimming function can be finished by the control system.
- Holder for disposable blades with adjustable cutting angle
- Anti roll device
- The hand wheel can be locked at any position, so as to ensure the safety of the operation.
- The specimen clamp can be oriented on the X—Y axis
- Section waste aspiration system.
- Switch arbitrarily between section and trimming.
- Intuitive control panel
- Section thickness totalize and section counter
- New blade holder with finger safe
- Wide range of accessories
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Standard delivery:

Standard delivery include:

- 1 MC 5000 basic instrument
- 1 section waste tray
- 1 disposable blades holder
- 5 Specimen discs
- 1 Aspiration hose
- 1 Heater extractor
- 1 operating manual
- 1 box of 50 disposable blades





Technical Parameter

Approvals: CE IVD

Microtome:

Section thickness range : 1-60 μ m Adjustable ,

Increment : 1 μ m , Increment : \pm 20%。

Trimming thickness range : 10 ~ 300 μ m Adjustable ,

Increment : 10 μ m , Increment: \pm 20%。

Specimen retraction : 20 μ m

Horizontal stroke : 25mm

Vertical stroke : 45mm

Specimen orientation : 8° (X、 Y、 Z three directions)

Cryostat

Voltage : 220V \pm 10%

Frequency : 50Hz

Power : 850VA

Largest start-up current (5 second) 45A

Chamber temperature : -10°C ~ -35°C Adjustable

Freezing shelf temperature : \leq -50°C

Number of freezing station : 18

Peltier number : 2

Refrigerant: R404a,300g \pm 10g

Compressor oil: 0.6L EMKARATE RL-22S, ICI

Dimensions :

Width (No hand wheel) 680mm

Width (With hand wheel) 826mm

Depth: 700mm

Height: 1150mm

Weight : 126kg

NB: Specifications are subject to change without any prior notice