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Leica CM1100 Bench

Top Cryostat for Clinical Pathology

Leica CM1100 Cryostat, Basic Instrument 230 V / 50 Hz



Instrument features:

Portable bench top cryostat with integrated carrying handles for safe and easy transport. Refrigerating system and insulating foam materials CFC-free.

Coarse feed wheel ergonomically positioned on the left side of the cryostat housing precise and smooth operation ensures efficient specimen trimming. Balanced sectioning handwheel lockable in upper position. Knife holder for disposable blades with lateral adjustment feature, glass antiroll plate for sections as thin as 34 μ m and a preset fixed clearance angle which is appropriate for all disposable blade brands. Two section waste trays with magnetic holding device.

Microtome:

Easy-to-clean microtome in metal housing, specimen cylinder sealed by rubber bellows readily removable from cryochamber. Section thickness selectable from 2 - 20 μ m in 2 μ m increments.

Vertical stroke: 46 mm/1.81 inches allows sectioning of biopsies as well as of larger specimens.

Cryochamber: Powerful refrigerating system, refrigerating time from ambient temperature to -20°C in 1.5 hours.

Chamber temperature selectable from 0°C to

- 30°C. Automatic and manual defrost duration 15 minutes. Automatic defrost time programmable reliably and permanently prevents icing. Quickfreeze station for 2 specimen discs, 20 mm/0.79 inches diam. and for two brushes or other handling tools. Insulating cover, tightly locked by two clamping levers, can be quickly and easily removed to give access to the cryochamber.



Technical Data:

- Mains power supply: 230 V/50 Hz
- Admissions: CSA
- Dimensions (WxHxD): 570 x 380 x 777 mm
- Dimensions (WxHxD): 22.44 x 14.96 x 30.59 inches
- Weight: 50 kg/110.13 lbs, including microtome

Standard delivery includes:

1 Basic instrument (14 0469 31478)

1 Accessorykit 14 0469 40855) consisting off:

- 1 Brush, fine (14 0183 28642)
- 1 Leicabrush (14 0183 30751)
- 1 Tissue freezing medium for cryosectioning,
125 ml (14 0201 08926)
- 1 Allen key, size 4 (14 0222 04139)
- 1 Bottle of cryostat oil, type 407, 50 ml (14 0336 06098)
- 1 Glare-minimizing glass insert, 70 mm wide(14 0477 42497)
- 2 Specimen discs, 20 mm (14 0370 08636)
- 1 Section waste tray, large (14 0469 31779)
- 1 Section waste tray, small (14 0469 31780)
- 1 Freezing shelf (14 0469 31782)
- 1 Knife holder CE for low profile blades (14 0504 33996)
- 2 Fuses 5x20 T 4.0A (14 6943 04000)1 EC Declaration of onformity
(14 0469 80011) 1 Instructions for use Leica CM1100 (14 0469 80001)

No : 14046931478



Leica CM 1100 Cryostat

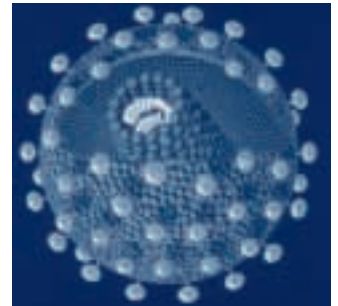
Bench-top cryostat

for universal use

Leica

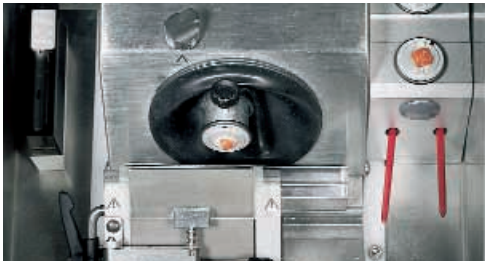
The full technology of the large Leica cryostats – now in compact-size format

State-of-the-art technology and perfect user friendliness characterize the large Leica cryostats – distinctive features which are now also available in a compact, portable design. With the need for mobile diagnostics ever increasing, the new Leica CM 1100 is the ideal cryostat for safe and fast on-the-spot evaluation – at the same time it is also an excellent back-up instrument for your lab. It is easy to transport and it can be pre-cooled in the vehicle, the only essential for that purpose being a 12-volt car battery. If the need arises, the Leica CM 1100 can also be operated in the vehicle without any difficulty. The fully enclosed microtome makes both cleaning and disinfection easy tasks. The Leica CM 1100 – a highly efficient instrument, ready for immediate use in any place and at any time.



A mobile instrument for unlimited use

With a total weight of only 50 kg, the Leica CM 1100 can be easily carried and be transported in practically any vehicle. The Leica CM 1100 is provided with a 12-V-connection for either sectioning in the vehicle, or for pre-cooling during transport, so the instrument will be ready for service when arriving on-site.



Spacious, clearly arranged cryochamber

Notwithstanding its compact dimensions the Leica CM 1100 cryochamber offers ample space for comfortable sectioning. There is no limitation to the instrument's range of applications. The CE knife holder allows sections as thin as $3\ \mu\text{m}$ – the integrated glass anti-roll plate is automatically carried along when the knife holder is laterally adjusted.

Coarse feed wheel for ease of operation and increased speed

All controls are located on the outside of the instrument. This is also true for the coarse feed wheel, designed for quick and easy specimen trimming.



Specimen cylinder slot cover – perfect protection and ease of maintenance

The slot cover keeps the interior mechanism of the Leica CM 100 free from sectioning debris. In addition, it considerably eases cleaning and maintenance of the instrument.



Leica CM 1100 – Instrument features

- Portable bench-top cryostat
- Compact unit, providing maximum ease of use at a total weight of 50 kg
- Spacious, easy-to-clean cryochamber made out of stainless steel
- CE disposable blade holder with lateral adjustment and glass anti-roll plate
- Quick-freeze shelf
- Two section waste trays
- Microtome with specimen cylinder slot cover – ideal for spray disinfection
- Automatic and manual hot gas defrosting
- CFC-free refrigerants and insulating foams.
- Connection for 12-volt car battery

Leica CM 1100 – Technical specifications

Section thickness adjustment: 0 to 20 μm
Maximum specimen size: 25 mm \varnothing
Total horizontal specimen advance: 15 mm
Vertical specimen stroke: 46 mm

Cryocabinet

Dimensions (W x H x D): 570 x 380 x 777 mm
Weight (incl. Microtome): 50 kg

Refrigerating capacity

Temperature setting range: 0 °C to -30 °C \pm 10%
Cooling down time to -20 °C: 1,5 h
Chamber defrosting: automatic hot gas defrosting;
automatic defrost time freely programmable;
manual defrosting on demand;
duration: 15 min

Manufactured in compliance with UL-, CSA-, IEC-, and VDE standards. State-of-the-art R&D, manufacturing and quality assurance procedures – registered under DIN EN ISO 9001 – ensure highest quality and reliability.

Wide range of accessories available on request.
Technical specifications subject to change without prior notice.