

Advancing Cancer Diagnostics
Improving Lives

Leica
BIOSYSTEMS



Focus on Quality

Leica CM1520 Cryostat

Consistently cut exceptional sections while controlling costs. The Leica CM1520 ensures diagnostic clarity and cost effective operation by focusing on the essentials:

- Precise control
- Exceptional reliability
- Advanced ergonomics



FOCUS ON PRECISE CONTROL

High-quality sections need a skilled operator, and a precise microtome. The Leica CM1520 delivers with:

- High precision microtome with stepper motor feed-in
- Accurate specimen orientation with zero-position centering **1**
- Universal* blade holder with ultimate stability **2**

* The blade holder can accommodate both, low and high profile disposable blades

FOCUS ON EXCEPTIONAL RELIABILITY

Patients cannot wait for instrument downtime, so the Leica CM1520 offers exceptional reliability and low maintenance thanks to:

- A fully encapsulated microtome
- Removable object head for easy cleaning
- Field-proven microtome design

FOCUS ON ADVANCED ERGONOMICS

Help your operators maintain quality, throughput and avoid injury from repetitive work. The Leica CM1520 delivers best-practice ergonomics through:

- Simple, logical and ergonomic control button positioning **3**
- Ergonomic housing with rounded corners **4**
- Operator-friendly spacious chamber with ergonomic storage, flat freezing shelf **5** and new accessories, such as new object plate holder** **6**, movable storage shelf **7**, and freezing shelf cover
- No hard to reach corners for fast and easy cleaning
- Extra calm fan, substantially reducing the noise output of the working unit

** Two pieces, 13 plus 5 spots

TECHNICAL SPECIFICATIONS

Microtome	
Section thickness adjustment	2–60 µm
Total specimen feed	25 mm
Vertical stroke	59 mm
Maximum specimen size	55 x 55 mm or 50 x 80 mm
Specimen orientation	8° (x, y, z-axis)
Electric coarse feed	Slow 600 µm/s
	Rapid 900 µm/s
Refrigeration system	50 Hz/60 Hz
Cryochamber	
Temperature range	0 °C to –30 °C (+ 3 K/– 3 K)
Cooling time down to –30 °C	max. 6 hrs., at 22 °C ambient temperature
Defrost	Automatic hot gas defrost
	1 automatic defrost cycle/24 hours,
	time-controlled (duration 12 min.)

Quick-freeze shelf	
Maximum cooling	–35 °C (+ 3 K/– 5 K)
Number of freezing stations	10
Defrost	Manual hot gas defrost, time-controlled (duration 12 min.)
Dimensions	
Width (w/o handwheel)	600 mm (23.6 in)
Width (with handwheel)	730 mm (28.7 in)
Depth	730 mm (28.7 in)
Height	1140 mm (44.8 in)
Weight (incl. microtome, without specimen cooling)	approx. 135 kg (298 lbs)

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