

## Vibrating Blade Microtomes



VT1000 S

The **Leica VT1000 S** vibrating blade microtome is the instrument of choice for high-quality sectioning requirements in neurophysiology, neuropathology experimental pathology), Botany (roots and plants) and Industry (foams). Whether sectioning fixed tissue for specific neuropathology tests or sectioning unfixed native tissue e.g. for patch clamping the Leica VT1000 S consistently provides high-quality sectioning results.

The user can adjust the vibration frequency, the speed of knife advance plus the VT1000 S features a high-speed knife return stroke of 5 mm/sec as well as a freely programmable sectioning window which ensures extremely quick sectioning of even the smallest specimens. An adjustable specimen retraction feature protects the specimen from damage during the return stroke of the knife.



VT1200

The **Leica VT1200** semi automatic vibrating blade microtome is designed for sectioning fixed or unfixed specimens in Neuropathology (fresh brain slicing) and Neurophysiology (patch-clamping). The instrument is recommended for users who wish to manually select the desired section thickness prior to cutting each section. The vertical deflection can be measured by using the optional measurement device "Vibrocheck".



VT1200 S

The **Leica VT1200 S** is fully automated and designed to meet the highest sectioning demands for cutting fresh and fixed tissue in Neuroscience. To achieve sections of the highest quality that retain viable cells on the section surface, the vertical deflection of the blade can be measured by Leica's Vibrocheck™ measurement device and minimised with the innovative blade holder. Minimal vertical deflection protects delicate specimens during sectioning and results in more viable cells on the section surface. Blade holder for double edged razor, injector or sapphire blades supports safer blade handling. A second blade holder helps to avoid contamination of specimens. Magnetic specimen holders support easy specimen handling and built in software remembers the cutting parameters of up to 8 users.

**V108** Leica VT1000 S vibrating blade microtome

**V109** Leica VT1200 vibrating blade microtome

**V110** Leica VT1200 S vibrating blade microtome

**B294** 100 S/S injector blades in safety holder for above instruments

**B294/RF** 100 S/S blade refill for B294 (return to TAAB for re-loading)



CM1100

## Leica CM1100 Cryostat

With the need for mobile diagnostics ever increasing, the Leica CM1100 is the ideal cryostat for safe and fast on-the-spot evaluation – at the same time, it is also an excellent back-up instrument.

With a total weight of only 50 kg, the Leica CM1100 can be easily carried and be transported in practically any vehicle. Automatic feeding of selected section thickness after each handwheel revolution saves time. Small instrument dimensions save space and allow the unit to be used as a backup unit during heavy workload or instrument breakdowns.

**C319** Leica CM1100 portable cryostat



## Low Temperature Disinfectant Spray

Cryofect is a disinfectant spray used in low temperature conditions, such as in cryostats. It is effective against bacteria, fungi and viruses such as HBV, polio or bird flu. Easy to use, Cryofect minimises the risks involved in dealing with potentially infectious materials. It can be used at cryochamber temperatures down to -20 °C. Apply the disinfectant spray evenly on the contaminated surfaces, allow a reaction time of 15 minutes and simply wipe off.

**C320** Cryofect disinfectant spray 350ml

# Leica Products & Consumables

## Leica CM1510 S

The Leica CM1510 S is the best-value cryostat available for all cryo and critical applications such as Mohs surgery. The CM1510 S allows rapid freezing and sectioning of skin cancer in multiple thin layers. Time is crucial when sectioning frozen specimens - an actively cooled quick freezing shelf with defrost function and a powerful refrigeration system are provided to get rapid results. In a minimum of time, the specimen can be clamped and oriented with the easy-to-use orientation system.

The coarse feed is motorised in two speeds in each direction which allows a fast approach of the specimen to the knife. This saves time, especially when used during trimming. An actively cooled, 10-position **freezing shelf**, with the lowest possible temperature of -45°C is convenient, and an on-demand, manual defrost saves time. Handwheel locks in upper position for safety.

C321 Leica 1510 S cryostat



## Leica 1850 & 1850 UV

The Leica CM1850 cryostat design incorporates emphasis on power savings, increased efficiency and operator safety. The result is a versatile cryostat with an optimised cooling system, rapid specimen freezing and smooth specimen orientation for the high-quality sectioning demanded in routine histology and clinical pathology.

Up-to-date technology with an ergonomic design for faster and safer sectioning, fast and smooth specimen orientation with zero-position centring. The coarse feed is motorised in two speeds in each direction allowing fast approach of the specimen to the knife which saves time, especially when used during trimming. Specimen retraction avoids contact between the cut specimen surface and blade on the return stroke for improved section quality and a condensate bottle supports a safer environment and increased user safety through easier collection, decontamination and discarding of the liquid condensate.

The Leica **CM1850 UV** is equipped with an optimised refrigeration system to provide short specimen freezing times. The cryochamber can be quickly and effectively disinfected at any time with **ultra-violet light (UVC)** for increased operator safety. UV surface disinfection significantly reduces the danger of infection from bacteria, spores and viruses.

The antimicrobial nano-silver coating, AgProtect, provides outstanding protection by reducing exposure to surface pathogens. AgProtect covers the cryostat's outside surfaces and protects individuals in the work area by penetrating the membranes of microbes to prevent replication.

C322 Leica CM1850 cryostat



## Cryo Embedding Compound FSC 22

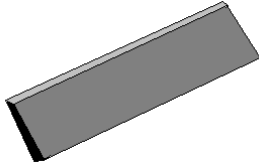
FSC 22® is a water soluble embedding compound for frozen sectioning. The compound bonds and encapsulates tissue specimens to the object holder for cryosectioning. It provides excellent sectioning consistency with minimal curling of sections at a working temperature of -20°C. FSC 22 is available in clear or in light blue for better visualisation of small specimens.

**F320** Frozen section compound FSC 22 clear (118ml)  
**F320/1** Frozen section compound FSC 22 clear case of 9 (118ml)  
**F320/B** Frozen section compound FSC 22 blue (118ml) (No longer available)  
**F320/B1** Frozen section compound FSC 22 blue case of 9 (118ml) (No longer available)



## Microtome Knives and Accessories

All knives are now plain backed (not drilled & tapped for Shandon Knife Sharpener)  
Each B, C or D knife comes with its own box.



Microtome knife

**Knife profile B** (plane, slightly concave for celloidin sections)

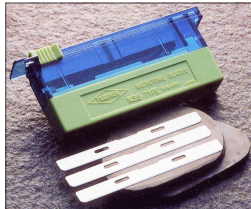
LL07831 Knife 25cm long profile B

**Knives profile C** (plane on both sides for paraffin and frozen sections)

LL07531 Knife 16cm long profile C  
 LL07545 Knife 22cm long profile C  
 LL07532 Knife 25cm long profile C  
 LL07128 Knife 30cm long profile C  
 LL04206 Knife 16cm long **tungsten carbide tipped**

**Knives profile D** (chisel/tool edge for hard specimens and frozen sections)

LL07139 Knife 30cm long profile D  
 LL04813 Knife 16cm long **tungsten carbide tipped** profile D



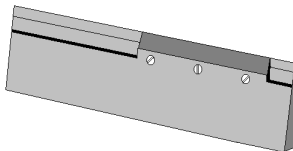
Feather disposable blades

**Disposable blades** (dispensers of 50)

LL13583	Leica blades low profile	LL12881	Leica blades high profile
LL31308	Feather blades S22	LL31309	Feather blades S35
LL31310	Feather blades R35	LL31506	Feather blades N35
LL31507	Feather blades N35H	LL31508	Feather blades C35 (for cryostats)

**Holders for disposable blades**

LL09426 Disposable blade holder 160mm for rotary microtomes  
 LL09425 Disposable blade holder 240mm for sledge and sliding microtomes  
 LL25171 Magnetic blade holder for cryostat holders CN & CS

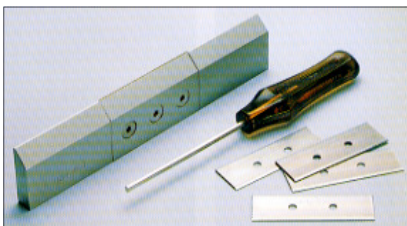


Disposable blade holder

**Technovit Histoblade (replaces Histoknife) disposable blades and holders**

A completely new range of extra rigid blades with a 30° profile (was 40°) for plastic sectioning. Same dimensions as previous blade so existing holders can be used. Have much improved edge characteristics for better sectioning .

T553 Technovit Histoblades pack of 50  
 T398 Histoblade holder 17cm (for rotary microtomes)  
 T399 Histoblade holder 22cm (for sledge microtomes)  
 For knife holder for "Ralph" knives see K058/25 page 12.16

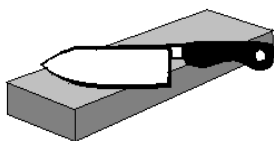


Technovit knives and holder

## Knife Resharpener

**Tool steel, profiles A, B, C, D, Minot**

LL90602	12cm length	LL90604	16cm length
LL90605	18cm length	LL90607	22cm length
LL90609	25cm length	LL90610	30cm length



**Tungsten carbide knives for rotary & sliding microtomes Resharpener**

LL90683	12cm TC profile C	LL90611	16cm TC profile D
LL90612	12cm TC profile D	LL90689	22cm TC profile D
LL90684	16cm TC profile C		

# Leica Products & Consumables

Knife resharpening continued..

## Knives for Jung K Resharpening

LL90613 Type K tool steel 90682 Type HK 1 tungsten carbide

LL90614 Type HK 2 & 3 90690 Type KD 4mm-6mm

LL90615 Type KFH

## Steel knives for holders A & C (Leica SM 2500/Leica SM 2400/Polycut)

Resharpening

LL90686 12cm tool steel

LL90687 16cm tool steel

LL90688 22cm tool steel

## Tungsten carbide knives for knife holder C (Leica SM 2500/SM 2400/Polycut)

Resharpening

LL90683 12cm TC profile C

LL90684 16cm TC profile C

LL90689 22cm TC profile D

## Tungsten carbide knives for knife holders A & C (Leica SM 2500/SM 2400/Polycut) Resharpening

Resharpening

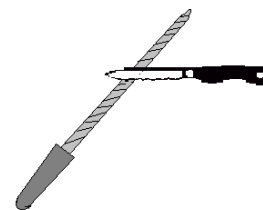
LL90612 12cm TC profile D

LL90611 16cm TC profile D

## Knives for Leica CM 3600 and PMV 450 MP Resharpening

LL90691 Knife 16cm 20° or 35° tool steel

LL90692 Knife 16cm 20° or 35° tungsten carbide



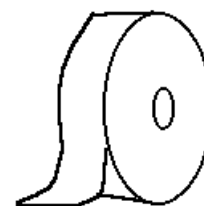
Knife Resharpening

## Sectioning Tape Whole Body Autoradiography

T410 Low temperature sectioning tape type 610 50mm x 50m

T411 Low temperature sectioning tape type 610 75mm x 50m

T546 Low temperature sectioning tape type 610 100mm x 50m



## Cassettes & Base Moulds

## Standard Cassettes

Standard Processing Cassettes are precision moulded using solvent-resistant plastic. Features include a three-sided textured writing surface and easy flow-through vents. Standard Cassettes are compatible with most metal lids and base moulds. Available in many colours in quantities of 1000.

Cat no.	Description	Colour	Qty
C323/W	Standard processing cassettes	White	1000
C323/B	Standard processing cassettes	Blue	1000
C323/Y	Standard processing cassettes	Yellow	1000
C323/G	Standard processing cassettes	Green	1000
C323/P	Standard processing cassettes	Pink	1000
C323/T	Standard processing cassettes	Tan	1000
C323/PE	Standard processing cassettes	Peach	1000
C323/GR	Standard processing cassettes	Grey	1000
C323/L	Standard processing cassettes	Lavender	1000
C323/R	Standard processing cassettes	Red	1000
C323/PU	Standard processing cassettes	Purple	1000
C323/A	Standard processing cassettes	Aqua	1000
C323/O	Standard processing cassettes	Orange	1000
C323/M	Metal Lids	S/S	25

