

Leica Products & Consumables

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".

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)



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

Cryo Embedding Compound FSC 22



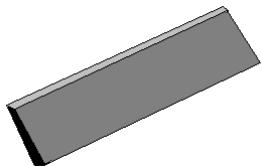
FSC 22® is a water soluble embedding compound for frozen sectioning. The compound bonds and encapsulates tissue specimens to the object holder for cryosectioning. It provides excellent sectioning consistency with minimal curling of sections at a working temperature of -20°C. FSC 22 is available in clear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

F320/1 Frozen section compound FSC 22 clear case of 9 (118ml)

F320/B1 Frozen section compound FSC 22 blue case of 9 (118ml)

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

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

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 .

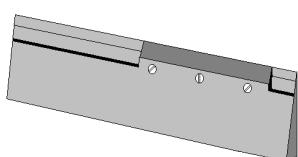
T553 Technovit Histoblades pack of 50

T398 Histoblade holder 17cm (for rotary microtomes)

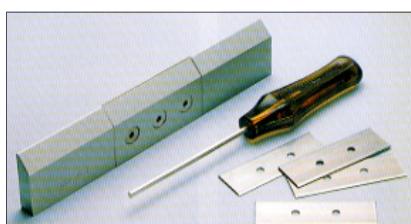
T399 Histoblade holder 22cm (for sledge microtomes)



Feather disposable blades



Disposable blade holder



Technovit knives and holder

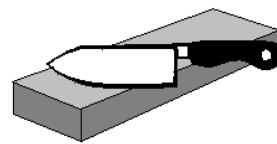
For knife holder for "Ralph" knives see K058/25 page 12.16

Leica Products & Consumables

Knife Resharpening

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 Resharpening

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

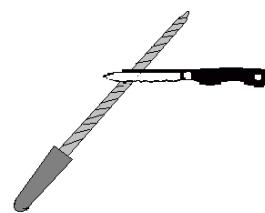
Knives for Jung K Resharpening

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



Knife Resharpening

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

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

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

