

# Leica EM ICE Orderlist



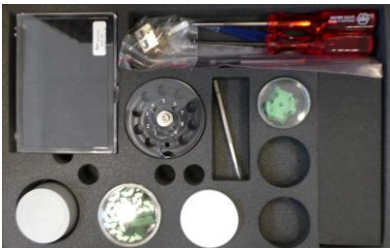
09/2016






## LEICA EM ICE




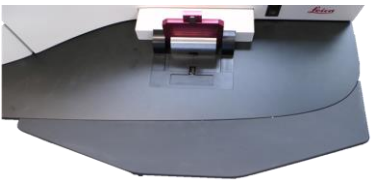
	<b>ICE</b>	<b>200 – 240 V / 50 – 60 Hz</b>
 <p>The image shows the Leica EM ICE cryo-fixation system, a compact, white, mobile workstation on wheels. It features a microscope mounted on a platform, a control panel with a touch screen, and a large integrated Dewar for liquid nitrogen storage. The system is designed for high-pressure freezing of biological specimens.</p>	<b>16771801</b>	<p>High pressure freezing system for excellent preservation of ultra structure:</p> <ul style="list-style-type: none"> <li>- No alcohol required for pressure/temperature synchronisation</li> <li>- Fully automated freezing process with specimen transfer into LN<sub>2</sub> guarantees reproducible and reliable freezing</li> <li>- Single-move automated sample loading allows one second fresh-to-frozen cycle.</li> <li>- Integrated Liquid Nitrogen Dewar with automated draining system</li> <li>- Oil-free air pressure intensifier</li> <li>- Segmented sample storage Dewar with a programmable rotation system allows nine consecutive freezing cycles. The automated LN<sub>2</sub> refilling system guarantees the safety of the frozen samples throughout the day.</li> <li>- Space saving integrated workstation</li> <li>- Touch-screen operation with parameters display and data storage of files.</li> <li>- Application specific specimen carriers, perfect for freezing specimens up to 5 mm in diameter</li> <li>- State of the art, compact, mobile and low noise design with integrated air compressor</li> <li>- Single phase universal mains power supply</li> </ul> <p>Accessory Kit which includes</p> <ul style="list-style-type: none"> <li>- 1x USB Stick</li> <li>- 2x middle plate for 3 mm sample carriers</li> <li>- 4x half cylinders for 3 mm sample carriers</li> <li>- 5x 3 mm sample carriers Type A</li> <li>- 5x 3 mm sample carriers Type B</li> <li>- 1x Cryo forceps with straight tip</li> <li>- 1x Forceps with insulation coating</li> <li>- 1x sample carrier release device with 3 mm insert</li> <li>- Cryo-box for sample manipulation with magnetic holders for the trisection pod, cryo-transfer box and puncher for sample carriers</li> <li>- Operating Manual</li> </ul> <p>RETROFITABLE TO:</p> <p>LIGHT STIMULATION and/or ELECTRICAL STIMULATION</p>

## Application Kits




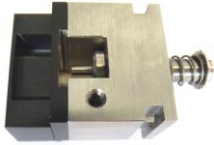

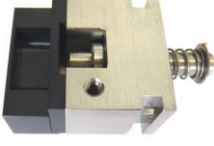

	<p><b>16771828</b></p>	<p><b>Flat Specimen 3mm System</b></p> <ul style="list-style-type: none"> <li>- 3 mm Type A carriers copper gold-plated, 100 pcs.</li> <li>- 3 mm Type B carriers copper gold-plated, 100 pcs.</li> <li>- 3 mm middle plate (10 pieces)</li> <li>- 3 mm cartridges (20 pieces)</li> <li>- Tissue punch Ø 1,9 mm (re-usable)</li> <li>- Rubber sample punch support</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for 3 mm carriers</li> <li>- multi-purpose PTFE container</li> <li>- Application box for flat specimen 3 mm system</li> </ul>
	<p><b>16771829</b></p>	<p><b>Flat Specimen 6mm System</b></p> <ul style="list-style-type: none"> <li>- 6 mm Type A copper gold-plated, 100 pcs.</li> <li>- 6 mm Type B copper gold-plated, 100 pcs.</li> <li>- 6 mm middle plate (10 pieces)</li> <li>- 6 mm cartridges (20 pieces)</li> <li>- Tissue puncher Ø 4,9 mm (re-usable)</li> <li>- Rubber sample punch support</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for 3 mm carriers</li> <li>- multi-purpose PTFE container</li> <li>- 6 mm insert for the Sample Carrier Release Device</li> <li>- Application box for flat specimen 6mm system</li> </ul>
	<p><b>16771830</b></p>	<p><b>Freeze Fracture 3x0.8mm System</b></p> <ul style="list-style-type: none"> <li>- 3x0,8 mm flat copper gold-plated (100 pieces)</li> <li>- 3x0,8 mm dome copper gold-plated (100 pieces)</li> <li>- 3x0,8 mm middle plate (10 pieces)</li> <li>- 3x0,8 mm cartridges (20 pieces)</li> <li>- Tissue puncher Ø 1,5mm (re-usable)</li> <li>- Rubber sample punch support</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for 3 mm carriers</li> <li>- multi-purpose PTFE container</li> <li>- 3 mm holder for FF double replica (mirror fracturing)</li> <li>- Application box for FF 3x0,8 mm system</li> </ul>

	<p><b>16771831</b></p>	<p><b>Freeze Fracture 4,6mm System which includes</b></p> <ul style="list-style-type: none"> <li>- 4,6x0,6 mm CU gold-plated carriers (100 pieces)</li> <li>- 4,6 mm middle plate (10 pieces)</li> <li>- 4,6 mm cartridges (20 pieces)</li> <li>- Tissue puncher Ø 1,9 mm (re-usable)</li> <li>- Tissue puncher Ø 2,9 mm (re-usable)</li> <li>- Rubber sample punch support</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for 6 mm carriers</li> <li>- multi-purpose PTFE container</li> <li>- Double-sided sticky tape (76 mm x60 mm)</li> <li>- 4.6 mm insert for the Sample Carrier Release Device</li> <li>- 4,6 mm holder for double replica (mirror fracturing)</li> <li>- Application box for FF 4,6mm system</li> </ul>
	<p><b>16771827</b></p>	<p><b>Membrane Carrier System</b></p> <ul style="list-style-type: none"> <li>- Membrane Carriers ø 6 mm, 100 µm (100 pieces)</li> <li>- 6 mm middle plate (10 pieces)</li> <li>- 6 mm cartridges (20 pieces)</li> <li>- Cover rings 6 x4 mm ø 300 µm (100 pieces)</li> <li>- Rubber sample punch support</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for 6 mm carriers</li> <li>-6mm insert for the Sample Carrier Release Device</li> <li>- multi-purpose PTFE container</li> <li>- Application box for membrane carrier system</li> </ul>
	<p><b>16771825</b></p>	<p><b>3mm Sapphire-CLEM System</b></p> <ul style="list-style-type: none"> <li>- 3 mm CLEM middle plate (10 pieces)</li> <li>- 3 mm cartridges (20 pieces)</li> <li>- Spacer rings, 3x2,5 mm 100µm (50 pieces)</li> <li>- Cover rings ø 650µm (50 pieces)</li> <li>- 3mm sapphire discs 50µm (50 pieces)</li> <li>- Microscope stage insert</li> <li>- Coating mount for 3 and 6 mm sapphire discs (2pieces)</li> <li>- 3 mm finder grids</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for middle plates</li> <li>- multi-purpose PTFE container</li> <li>- Application box for 3 mm CLEM system</li> </ul>










	<p><b>16771826</b></p>	<p><b>6mm Sapphire-CLEM System</b></p> <ul style="list-style-type: none"> <li>- 6 mm CLEM middle plate (10 pieces)</li> <li>- 6 mm cartridges (20 pieces)</li> <li>- Spacer rings, ø 6mm 100µm (50 pieces)</li> <li>- 6 mm sapphire discs 120µm (50 pieces)</li> <li>- Cover rings ø 400µm (50 pieces)</li> <li>- Microscope stage insert</li> <li>- Coating mount for 3/6mm sapphire discs (2 pcs.)</li> <li>- 6 mm finder grid mask (50 pieces)</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for middle plates</li> <li>- multi-purpose PTFE container</li> <li>- Application box for 6mm CLEM system</li> </ul>
	<p><b>16771871</b></p>	<p><b>3 mm Sapphire system for light stimulation</b></p> <ul style="list-style-type: none"> <li>- 3 mm CLEM middle plate (10 pieces)</li> <li>- 3 mm transparent cartridges (20 pieces)</li> <li>- Spacer rings, ø 3x2,5mm 100µm (50 pieces)</li> <li>- 3 mm sapphire discs 50µm (50 pieces)</li> <li>- Cover rings ø 650µm (50 pieces)</li> <li>- Microscope stage insert</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for middle plates</li> <li>- multi-purpose PTFE container</li> <li>- Application box</li> </ul>
	<p><b>16771841</b></p>	<p><b>6 mm Sapphire system for light stimulation</b></p> <ul style="list-style-type: none"> <li>- 6 mm CLEM middle plate (10 pieces)</li> <li>- 6 mm transparent cartridges (20 pieces)</li> <li>- Spacer rings, ø 6mm 100µm (50 pieces)</li> <li>- 6 mm sapphire discs 120 µm (50 pieces)</li> <li>- Cover rings ø 400µm (50 pieces)</li> <li>- Microscope stage insert</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for middle plates</li> <li>- multi-purpose PTFE container</li> <li>- Application box</li> </ul>

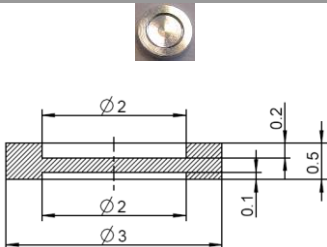
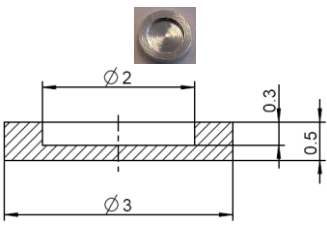
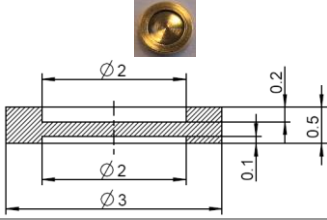
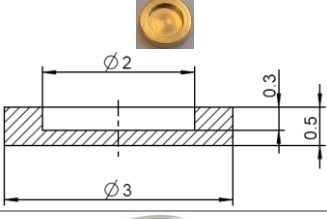


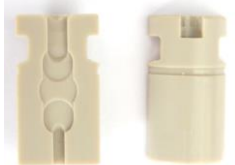

	<p><b>16771832</b></p>	<p><b>Tube System</b></p> <ul style="list-style-type: none"> <li>- Specimen tubes, copper (100 pieces)</li> <li>- Tube cartridges (20 pieces)</li> <li>- Cellulose capillary tube (100 pieces)</li> <li>- Tube press</li> <li>- Filling needles (5 pieces)</li> <li>- Cryo-insert with tube cutter</li> <li>- Specimen tube holder for ultramicrotome</li> <li>- Cryo forceps with straight tips</li> <li>- Forceps with insulation coating</li> <li>- Cryo-tool with M4 thread</li> <li>- Allen key (3 mm) with handle</li> <li>- Cryo-storage container for tubes</li> <li>- multi-purpose PTFE container</li> <li>- Application box for tube system</li> </ul>
	<p><b>16770178</b></p>	<p><b>Microbiopsy System</b></p> <ul style="list-style-type: none"> <li>- Biopsy gun</li> <li>- 5 spare needles</li> <li>- Tissue forceps</li> </ul>
<p><b>Accessories</b></p>		
	<p><b>16771860</b></p>	<p><b>Environmental Chamber</b> For maintaining specific temperature (micro-environment) in the working station area</p> <p>Includes: Heating elements for loading station and table, Table extension and Plexiglas box with build-in cuffs.</p>
	<p><b>16771859</b></p>	<p><b>Heating elements for loading station and table</b> For regulating the temperature of the table and loading station</p>
	<p><b>16771869</b></p>	<p><b>Table extension</b></p>

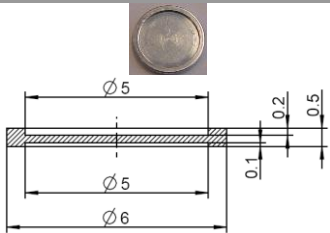
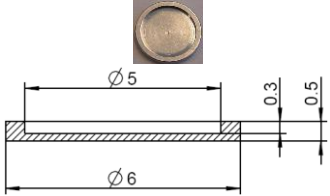
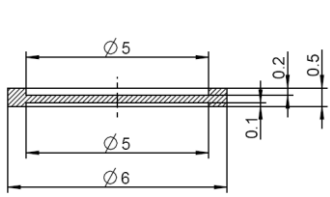
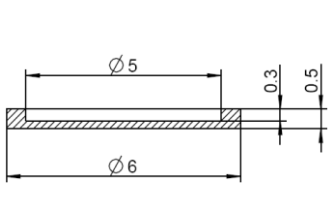




	<b>16771858</b>	<p><b>Light Stimulation Package (Retrofit)</b></p> <ul style="list-style-type: none"> <li>-Sapphire window for HP Chamber</li> <li>-Optical fiber</li> <li>-LED-Module connection</li> <li>-Software upgrade</li> </ul>
	<b>16771878</b>	<p><b>Electrical Stimulation Package (Retrofit) for standard EM ICE configuration</b></p> <ul style="list-style-type: none"> <li>-Sapphire window for HP Chamber</li> <li>-Optical fiber</li> <li>-LED-Module connection</li> <li>-LED Module Blue</li> <li>-Software upgrade</li> <li>-print for inbuilt charger, adaptation for half cylinders, cables, valves, etc.</li> <li>- Electrical Stimulation accessory kit which includes <ul style="list-style-type: none"> <li>15 middle plates/ PCB with capacitors for 6 mm sapphire disks</li> <li>10 half cylinders for electrical stimulation type T (top)</li> <li>10 half cylinders for electrical stimulation type B (bottom)</li> <li>50 Sapphire disks 6 mm</li> <li>20 Spacer rings 100um Mylar</li> <li>20 Cover rings 500um</li> <li>1 slider for charging the middle plate/ print</li> <li>2 nozzles</li> <li>Cryo-storage container for middle plates</li> </ul> </li> </ul>
	<b>16771861</b>	<p><b>Microscope M80</b> Fully configured for EM ICE</p> <p>with 0.50x objective, Binocular tube, wide-field eyepieces WF16x with eyecups and Ergo-Wedge 5°-25° Ring LED illumination</p>
	<b>16771862</b>	<p><b>Microscope S6E</b> Fully configured for EM ICE</p> <p>with zoom objective 0.50x, wide-field eyepieces WF10x with eyecups. total magnification 20x. Ring LED illumination</p>
	<b>16771863</b>	<p><b>Fluorecent Module GFP (only for the M80!)</b></p> <p>Fluorescence module GFP LP</p> <ul style="list-style-type: none"> <li>- Excitation filter 480/40 nm</li> <li>- Dichroic beamsplitter 510 nm</li> <li>- Emission filter 505 nm LP</li> </ul> <p>Leica SFL100 (Solid State Fluorescence Light Source)</p>

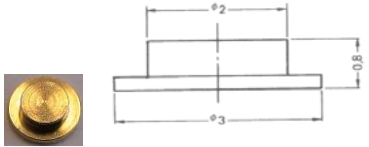
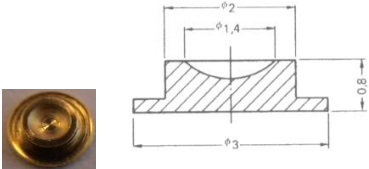
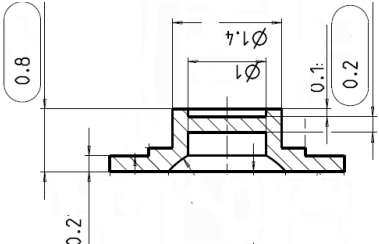
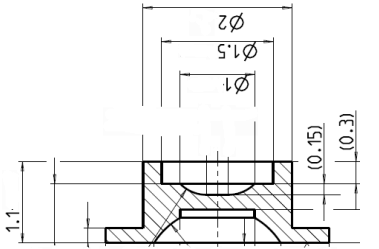




	<b>16771864</b>	<b>Diffusor</b> (for the ring light)
	<b>16771866</b>	<b>Trisection pod for specimen Dewar</b>
	<b>16771867</b>	<b>Separator for specimen Dewar</b>
	<b>16771811 134</b>	<b>3 mm insert for the Sample Carrier Release Device</b> (included in the EM ICE purchase)
	<b>16771856</b>	<b>4.6 mm insert for the Sample Carrier Release Device</b>
	<b>16771857</b>	<b>6 mm insert for the Sample Carrier Release Device</b>
	<b>16707000 001</b>	<b>EM CTD – Cryo Tool Dryer</b> Combination of ventilation heating and heating plate - reaches 45 °C in 5 min (with 20°C environmental temperature) - max temperature 50 °C - Rubber Pad included, 1 pc.  Weight: 7,7 kg Dimensions W x D x H: 306 x 400 x 111 mm

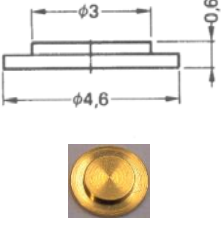





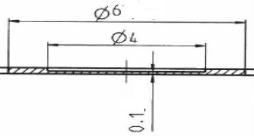
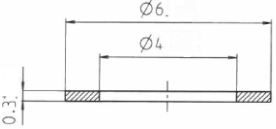





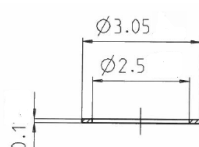
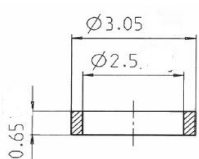
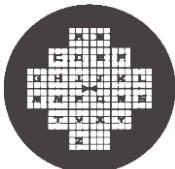
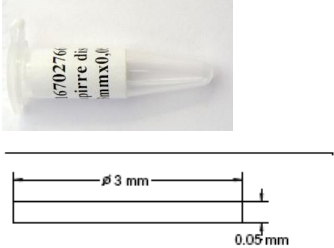


	<b>16707531 179</b>	<b>Dewar for liquid nitrogen 5 liters (LD5)</b>
	<b>16771865</b>	<b>Nozzle (2 pcs.)</b>
	<b>16771872</b>	<b>Forceps for cryo techniques with straight tips</b> Handle insulated with PVC on both sides. Non-rusting, antimagnetic.
	<b>16701955</b>	<b>Forceps for cryo techniques</b> Handle insulated with PVC on both sides. Non-rusting, antimagnetic.
	<b>16771873</b>	<b>multi-purpose PTFE container</b> Ø 40 x 25 mm, 25 ml
	<b>16870070</b>	<b>Allen key 3 mm</b>
	<b>16701958</b>	<b>Cryotool with M4 thread</b>
<b>Consumables for application kits</b>		
<b>Flat Specimen 3mm</b>		
	<b>16771849</b>	<b>Sample holder half cylinder Ø 3.0 mm</b> For Ø 3 x 0.5 mm specimen carriers 10 pieces.
	<b>16771833</b>	<b>Sample holder middle plate Ø 3.0 mm</b> For Ø 3 x 0.5 mm specimen carriers 10 pieces.


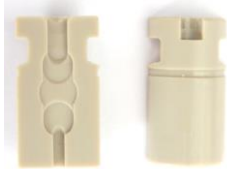

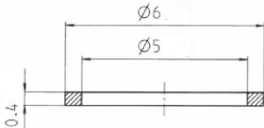
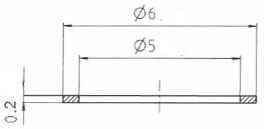
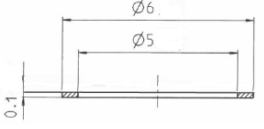



	<p><b>16770141</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.5 mm (aluminum) Type A</b> Indentation on both sides, Ø 2 x 0.1 mm and Ø 2 x 0.2 mm 100 pieces</p>
	<p><b>16770142</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.5 mm (aluminum) Type B</b> Indentation on one side, Ø 2 x 0.3 mm, the other side flat 100 pieces</p>
	<p><b>16770152</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.5 mm (gold-plated copper) Type A</b> Indentation on both sides, Ø 2 x 0.1 mm and Ø 2 x 0.2 mm 100 pieces</p>
	<p><b>16770153</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.5 mm (gold-plated copper) Type B</b> Indentation on one side, Ø 2 x 0.3 mm, the other side flat 100 pieces</p>
	<p><b>16771811 130</b></p>	<p><b>Cryo-storage container for 3 mm carrier</b></p>
	<p><b>16770111 133</b></p>	<p><b>Re-usable sample punch</b> 1.9mm in diameter</p>
<p><b>Flat Specimen 6mm</b></p>		
	<p><b>16771847</b></p>	<p><b>Sample holder half cylinder Ø 6.0 mm</b> For Ø 6.0 x 0.5 mm specimen carriers 10 pieces.</p>
	<p><b>16771834</b></p>	<p><b>Sample holder middle plate Ø 6.0 mm</b> For Ø 6.0 x 0.5 mm specimen carriers 10 pieces.</p>


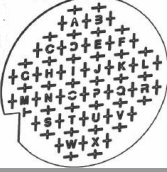

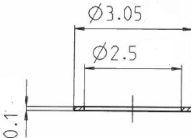

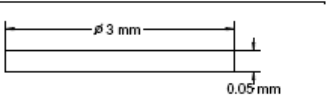


	<p><b>16770126</b></p>	<p><b>Specimen carriers Ø 6.0 x 0.5 mm (aluminum)</b> Type A Indentation on both sides, Ø 5 x 0.1 mm and Ø 5 x 0.2 mm 100 pieces</p>
	<p><b>16770127</b></p>	<p><b>Specimen carriers Ø 6.0 x 0.5 mm (aluminum)</b> Type B Indentation on one side, Ø 5 x 0.3 mm, the other side flat 100 pieces</p>
	<p><b>16770181</b></p>	<p><b>Specimen carriers Ø 6.0 x 0.5 mm (gold-plated copper)</b> Type A Indentation on both sides, Ø 5 x 0.1 mm and Ø 5 x 0.2 mm 100 pieces</p>
	<p><b>16770182</b></p>	<p><b>Specimen carriers Ø 6.0 x 0.5 mm (gold-plated copper)</b> Type B Indentation on one side, Ø 5 x 0.3 mm, the other side flat 100 pieces</p>
	<p><b>16771811</b> <b>131</b></p>	<p><b>Cryo-storage container for 6 mm carrier</b></p>
	<p><b>16770111</b> <b>135</b></p>	<p><b>Re-usable sample punch</b> 4.9 mm in diameter</p>
<p><b>Freeze Fracture 3 x 3,08mm</b></p>		
	<p><b>16771853</b></p>	<p><b>Sample holder half cylinder Ø 3.0 mm</b> For Ø 3 x 0.8 mm specimen carriers 10 pieces.</p>
	<p><b>16771835</b></p>	<p><b>Sample holder middle plate Ø 3.0 mm</b> For Ø 3 x 0.8 mm specimen carriers 10 pieces.</p>

	<p><b>16770131</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.8 mm (Gold plated copper) with flat surface</b> 100 pieces</p>
	<p><b>16770132</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.8 mm (Gold plated copper) with dome-shaped indentation</b> Indentation: 1.4 mm diameter, 0.3 mm deep 100 pieces</p>
	<p><b>16771874</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.8 mm (Gold plated copper) Interlocking Type A</b></p>
	<p><b>16771875</b></p>	<p><b>Specimen carriers Ø 3.0 x 0.8 mm (Gold plated copper) Interlocking Type B</b></p>
	<p><b>16771811 130</b></p>	<p><b>Cryo-storage container for 3 mm carrier</b></p>
	<p><b>16706892</b></p>	<p><b>Re-usable sample punch</b> 1,5 mm in diameter</p>
<p><b>Freeze fracture 4,6 mm</b></p>		
	<p><b>16771850</b></p>	<p><b>Sample holder half cylinder Ø 4.6 mm</b> For Ø 4.6 x 0.6 mm specimen carriers 10 pieces.</p>
	<p><b>16771836</b></p>	<p><b>Sample holder middle plate Ø 4.6 mm</b> For Ø 4.6 x 0.6 mm specimen carriers 10 pieces.</p>




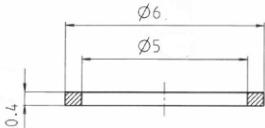
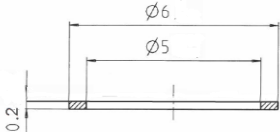
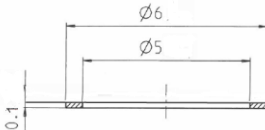



	<p><b>16770130</b></p>	<p><b>Specimen carriers Ø 4.6 x 0.6 mm (gold-plated copper)</b>  Use with sticky tape that can be punched out with a tissue puncher (flat surface, sticky tape, specimen in the middle of punched out sticky tape, flat surface). Method used for double replica (mirror fracturing).  100 pieces</p>
	<p><b>16771811 131</b></p>	<p><b>Cryo-storage container for 6 mm carrier</b></p>
	<p><b>16770111 133</b></p>	<p><b>Re-usable sample punch</b>  1.9 mm in diameter</p>
	<p><b>16770111 134</b></p>	<p><b>Re-usable sample punch</b>  2.9 mm in diameter</p>
<p><b>Membrane carrier</b></p>		
	<p><b>16771847</b></p>	<p><b>Sample holder half cylinder Ø 6.0 mm</b>  For Ø 6.0 x 0.5 mm specimen carriers  10 pieces.</p>
	<p><b>16771834</b></p>	<p><b>Sample holder middle plate Ø 6.0 mm</b>  For Ø 6.0 x 0.5 mm specimen carriers  10 pieces.</p>
	<p><b>16771851</b></p>	<p><b>Membrane carriers (6mm x 0,1mm).</b>  <b>100 pieces</b></p>
	<p><b>16771852</b></p>	<p><b>Cover Ring for membrane system</b>  Steel, Ø 300 µm, 100 pieces</p>
	<p><b>16771811 131</b></p>	<p><b>Cryo-storage container for 6 mm carrier</b></p>

<b>CLEM for 3mm sapphire disc</b>		
	<b>16771849</b>	<b>Sample holder half cylinder Ø 3.0 mm</b> For 3 mm sapphire discs 10 pieces.
	<b>16771837</b>	<b>CLEM Sample holder middle plate Ø 3.0 mm</b> For Ø 3 mm sapphire discs 10 pieces.
	<b>16771854</b>	<b>Spacer Ring, for 3mm sapphire system</b> Ni, 100 µm, (Ø 3/2,5mm), 50 pieces
	<b>16771839</b>	<b>Cover Ring for 3mm sapphire system</b> Steel, Ø 650 µm, 50 pieces
	<b>16770131</b> <b>269</b>	<b>3 mm finder grids</b> Ni, 50 µm, 100 pieces, Ni (a 200 mesh grid with alphabetic identification for each set of nine grid squares)
	<b>16702766</b>	<b>Sapphire disks (Ø 3mm)</b> Sapphire has an excellent thermal conductivity and is used for particular applications, such as cell cultivation for high pressure freezing. Transparent.  Thickness 0.05 mm. 50 pieces in a vial.
	<b>16770159</b>	<b>Microscope stage insert for CLEM (3mm and 6mm sapphire discs)</b>
	<b>16771811</b> <b>132</b>	<b>Cryo-storage container for middle plate</b>


	<p><b>16770131 350</b></p>	<p><b>Coating mount for 3 mm and 6 mm sapphire discs</b></p>
<p><b>CLEM for 6mm sapphire disc</b></p>		
	<p><b>16771847</b></p>	<p><b>Sample holder half cylinder Ø 6.0 mm</b> For 6mm sapphire discs 10 pieces.</p>
	<p><b>16771838</b></p>	<p><b>CLEM Sample holder middle plate Ø 6.0 mm</b> For Ø 6mm sapphire discs 10 pieces.</p>
	<p><b>16771840</b></p>	<p><b>Cover Ring for 6 mm sapphire system</b> Steel, Ø 400µm, 50 pieces</p>
	<p><b>16770164</b></p>	<p><b>Spacer Ring, for 6 mm sapphire system</b> Ni, 200 µm, (Ø 6 mm), 50 pieces.</p>
	<p><b>16770180</b></p>	<p><b>Spacer Ring, for 6 mm sapphire system</b> Ni, 100µm, (Ø 6mm), 50 pieces</p>
	<p><b>16770158</b></p>	<p><b>Sapphire disks (Ø 6 mm)</b> Sapphire has an excellent thermal conductivity and is used for particular applications, such as cell cultivation for high pressure freezing. Transparent.  Thickness 0.120mm. 50 pieces Each sapphire is packed individually.</p>
	<p><b>16770159</b></p>	<p><b>Microscope stage insert for CLEM (3 mm and 6 mm sapphire discs)</b></p>
	<p><b>16771811 132</b></p>	<p><b>Cryo-storage container for middle plate</b></p>

	<p><b>16770131 350</b></p>	<p><b>Coating mount for 3 mm and 6 mm sapphire discs</b></p>
	<p><b>16770162</b></p>	<p><b>Finder grid mask for 6 mm sapphire discs</b> Thickness 0.07 mm and diameter 5.9 mm</p>
<p><b>Light Stimulation system 3 mm</b></p>		
	<p><b>16771868</b></p>	<p><b>Sample holder half cylinder Ø 3.0 mm</b> For 3mm sapphire discs 10 pieces.</p>
	<p><b>16771837</b></p>	<p><b>CLEM Sample holder middle plate Ø 3.0 mm</b> For Ø 3mm sapphire discs 10 pieces.</p>
	<p><b>16771854</b></p>	<p><b>Spacer Ring, for 3 mm sapphire system</b> Ni, 100µm, (Ø 3/2,5mm), 50 pieces</p>
 	<p><b>16702766</b></p>	<p><b>Sapphire disks (Ø 3 mm)</b> Sapphire has an excellent thermal conductivity and is used for particular applications, such as cell cultivation for high pressure freezing. Transparent.  Thickness 0.05 mm. 50 pieces in a vial.</p>
	<p><b>16770159</b></p>	<p><b>Microscope stage insert for CLEM (3 mm and 6 mm sapphire discs)</b></p>
	<p><b>16771811 132</b></p>	<p><b>Cryo-storage container for middle plate</b></p>



<b>Light Stimulation system 6 mm</b>		
	<b>16771846</b>	<b>Transparent half cylinders for specimen carriers Ø 6.0 mm</b> For 6mm sapphire discs 10 pieces.
	<b>16771838</b>	<b>CLEM Sample holder middle plate Ø 6.0 mm</b> For Ø 6mm sapphire discs 10 pieces.
	<b>16770158</b>	<b>Sapphire disks (Ø 6 mm)</b> Sapphire has an excellent thermal conductivity and is used for particular applications, such as cell cultivation for high pressure freezing. Transparent.  Thickness 0.120mm. 50 pieces Each sapphire is packed individually.
	<b>16771840</b>	<b>Cover Ring for 6mm sapphire system</b> Steel, Ø 400 µm, 50 pieces
	<b>16770164</b>	<b>Spacer Ring, for 6 mm sapphire system</b> Ni, 200 µm, (Ø 6 mm), 50 pcs.
	<b>16770180</b>	<b>Spacer Ring, for 6mm sapphire system</b> Ni, 100 µm, (Ø 6 mm), 50 pieces
	<b>16770159</b>	<b>Microscope stage insert for CLEM (3 mm and 6 mm sapphire discs)</b>
	<b>16771811</b> <b>132</b>	<b>Cryo-storage container for middle plate</b>
<b>Tube system</b>		
	<b>16771848</b>	<b>Sample holder cylinder for the tube system.</b> 20 pieces

	<b>16770129</b>	<b>Specimen tubes</b> Outer diameter 0.65 mm/ Inner diameter 0.35 mm Length: 9.5 mm 100 pieces
	<b>16770111 137</b>	<b>Tube press</b>
	<b>16706869</b>	<b>Cellulose Capillary Tubes</b> Biological suspension is injected into the tubes via capillary action. Suitable also for freeze substitution. 100 pieces. Polymer-Cellulose: Fibre length - 50mm Wall thickness (dry) 8 µm Inner diameter (dry) 200 µm Permeability (cut off) >5000 Dalton pH range during operation 3 - 11
	<b>16706888</b>	<b>Filling needles</b> 5 pcs.
	<b>16771855</b>	<b>Tube cutter</b>
	<b>16706811 026</b>	<b>Tube peeler</b>
	<b>16706035</b>	<b>Specimen tube holder</b> for tubes inserted in collet holder of the cryo ultramicrotome
	<b>16771811 131</b>	<b>Cryo-storage container for tubes</b>

<b>Microbiopsy system</b>		
	<b>16706887</b>	<b>Spare Needle for Biopsy System</b> for Biopsy

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