MORE INVENTIVE
LESS INVASIVE

Products Catalogue 2017
This catalogue presents the ACTEON® Group products.

Different versions of many of our products are available in different sales areas. The configurations included in this catalogue are given as an example.

For more information, please contact your ACTEON® dealer or the ACTEON® sales manager for your country/region or contact us at info@acteongroup.com

All products in this catalogue must only be used by dental professionals.
ACTEON®, a reference manufacturer of small dental equipment and consumable products, is now a global Group with branches worldwide, which incorporates three divisions:

🔹 **ACTEON® IMAGING**, Imaging division of the ACTEON® Group, is the world leader in intraoral dental cameras. It develops innovative digital radiology systems.

🔹 **ACTEON® EQUIPMENT**, Equipment division of the ACTEON® Group, is the world leader in piezo-electrical generators, and offers a comprehensive range of peripheral dental devices: osteotomes, polishers, high-frequency scalpels, curing lights, autoclaves, etc.

🔹 **ACTEON® PHARMA**, Pharmaceutical division of the ACTEON® Group, offers a wide choice of pharmaceutical products and consumables including anaesthetics, products for endodontic treatments, hygiene products and dental impression products.

Granted ISO 13485 certification, ACTEON® has expanded through product innovation and continually reinforced international presence.

www.acteongroup.fr
WHERE TO FIND information on ACTEON® products

COMMERCIAL LEAFLETS AND USER MANUALS

available on our website
www.akteongroup.com

VIDEOS

YouTube channel
ACTEON Equipment

YouTube channel
ACTEON Imaging

YouTube channel
ACTEON Pharma
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INTRAORAL RADIOLOGY
**X-MIND™ UNITY**

- 0.4 mm focal spot
- Configurable radiological settings (time, mA, kV)
- Ace – Patient dose reduction
- Dose is displayed
- Top and bottom mounting

X-Mind™ unity is pre-wired for integration of the SOPIX² inside sensor. Delivered with a long cone in standard version.
## X-MIND™ Unity - Top Mounting

**Short cone**
- Extensor 40 cm
- Extensor 80 cm
- Extensor 110 cm

**Long cone**
- Extensor 40 cm
- Extensor 80 cm
- Extensor 110 cm

**Square cone**
- Extensor 40 cm
- Extensor 80 cm
- Extensor 110 cm

<table>
<thead>
<tr>
<th>Cone Type</th>
<th>Extensor Length</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short</td>
<td>40 cm</td>
<td>W0800000</td>
</tr>
<tr>
<td></td>
<td>80 cm</td>
<td>W0800001</td>
</tr>
<tr>
<td></td>
<td>110 cm</td>
<td>W0800002</td>
</tr>
<tr>
<td>Long</td>
<td>40 cm</td>
<td>W0800003</td>
</tr>
<tr>
<td></td>
<td>80 cm</td>
<td>W0800004</td>
</tr>
<tr>
<td></td>
<td>110 cm</td>
<td>W0800005</td>
</tr>
<tr>
<td>Square</td>
<td>40 cm</td>
<td>W0800006</td>
</tr>
<tr>
<td></td>
<td>80 cm</td>
<td>W0800007</td>
</tr>
<tr>
<td></td>
<td>110 cm</td>
<td>W0800008</td>
</tr>
</tbody>
</table>

## X-MIND™ Unity - Bottom Mounting

**Short cone**
- Extensor 40 cm
- Extensor 80 cm
- Extensor 110 cm

**Long cone**
- Extensor 40 cm
- Extensor 80 cm
- Extensor 110 cm

**Square cone**
- Extensor 40 cm
- Extensor 80 cm
- Extensor 110 cm

<table>
<thead>
<tr>
<th>Cone Type</th>
<th>Extensor Length</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short</td>
<td>40 cm</td>
<td>W0800009</td>
</tr>
<tr>
<td></td>
<td>80 cm</td>
<td>W0800010</td>
</tr>
<tr>
<td></td>
<td>110 cm</td>
<td>W0800011</td>
</tr>
<tr>
<td>Long</td>
<td>40 cm</td>
<td>W0800012</td>
</tr>
<tr>
<td></td>
<td>80 cm</td>
<td>W0800013</td>
</tr>
<tr>
<td></td>
<td>110 cm</td>
<td>W0800014</td>
</tr>
<tr>
<td>Square</td>
<td>40 cm</td>
<td>W0800015</td>
</tr>
<tr>
<td></td>
<td>80 cm</td>
<td>W0800016</td>
</tr>
<tr>
<td></td>
<td>110 cm</td>
<td>W0800017</td>
</tr>
</tbody>
</table>

Complete intraoral radiology system, without SOPIX inside or SOPIX² inside options (voir pages 24 and 25).
ACCESSORIES X-MIND UNITY

- X-Mind™ unity short cone  W0800018
- X-Mind™ unity long cone  W0800019
- X-Mind™ unity square cone  W0800020
- Mind™ unity unity tubehead  W0800022
- X-Mind™ unity timer  W0800023
- IRIX 70 wall plate for X-Mind™ unity installation  F03899  W0800100
Extensor 0.40 m X-Mind™ unity top mounting  W0800025
Extensor 0.80 m X-Mind™ unity top mounting  W0800026
Extensor 1.10 m X-Mind™ unity top mounting  W0800027
Extensor 0.40 m X-Mind™ unity bottom mounting  W0800028
Extensor 0.80 m X-Mind™ unity bottom mounting  W0800029
Extensor 1.10 m X-Mind™ unity bottom mounting  W0800030
Extensor pantograph X-Mind™ unity  W0800031
Delivered with a generator 70KV, a pantograph, an extensor and a timer.

### X-MIND™ DC TOP MOUNTING

<table>
<thead>
<tr>
<th>Extensor</th>
<th>Distance</th>
<th>Cone</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,40 m</td>
<td>143 cm</td>
<td>Long</td>
<td>F03833</td>
<td>5.92.23137</td>
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<tr>
<td>0,80 m</td>
<td>184 cm</td>
<td>Long</td>
<td>F03824</td>
<td>5.92.23138</td>
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<tr>
<td>0,80 m</td>
<td>184 cm</td>
<td>Square</td>
<td>F03815</td>
<td>5.92.23168</td>
</tr>
<tr>
<td>1,10 m</td>
<td>212 cm</td>
<td>Long</td>
<td>F03834</td>
<td>5.92.23139</td>
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</table>

### X-MIND™ DC BOTTOM MOUNTING

<table>
<thead>
<tr>
<th>Extensor</th>
<th>Distance</th>
<th>Cone</th>
<th>Code</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>0,40 m</td>
<td>143 cm</td>
<td>Long</td>
<td>F03804</td>
<td>5.92.23130</td>
</tr>
<tr>
<td>0,40 m</td>
<td>143 cm</td>
<td>Square</td>
<td>F03801</td>
<td>5.92.23160</td>
</tr>
<tr>
<td>0,80 m</td>
<td>184 cm</td>
<td>Long</td>
<td>F03808</td>
<td>5.92.23131</td>
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<td>0,80 m</td>
<td>184 cm</td>
<td>Square</td>
<td>F03807</td>
<td>5.92.23161</td>
</tr>
<tr>
<td>1,10 m</td>
<td>212 cm</td>
<td>Long</td>
<td>F03811</td>
<td>5.92.23132</td>
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<td>1,10 m</td>
<td>212 cm</td>
<td>Square</td>
<td>F03813</td>
<td>5.92.23162</td>
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</tbody>
</table>

### X-MIND™ DC UNIT

| Column unit extensor 0,40 m | Long | F03828 | 5.92.23135 |

### X-MIND™ DC CEILING

| Ceiling mounting extensor 0.40 m (standard Faro column Ø60 cm) | Long | F03829 | 5.92.23136 |

*Ceiling fasteners not included*

### X-MIND™ DC MOBILE

| with mobile support | Long | F03806 | 5.92.23133 |
| with mobile support | Square | F03802 | 5.92.23163 |

---

**230V**
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>X-Mind™ tubehead AC 230V</td>
<td>F03700</td>
<td>5.21.23130</td>
</tr>
<tr>
<td>X-Mind™ DC tubehead 230V</td>
<td>F03800</td>
<td>5.31.23130</td>
</tr>
<tr>
<td>X-Mind™ AC timer</td>
<td>F03701</td>
<td>5.25.23130</td>
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<tr>
<td>X-Mind™ DC timer</td>
<td>F03724</td>
<td>5.35.23130</td>
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<tr>
<td>Short cone (20 cm SSD)</td>
<td>F03145</td>
<td>29701195</td>
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<tr>
<td>Long cone (31 cm SSD)</td>
<td>F03461</td>
<td>29701197</td>
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<tr>
<td>Square cone (31 cm SSD)</td>
<td>F03144</td>
<td>29701199.C</td>
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<tr>
<td>X-Mind™ AC/DC wall plate</td>
<td>F03823</td>
<td>29700384.C</td>
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<tr>
<td>IRIX 70 wall plate for X-Mind™ AC or DC</td>
<td>F03898</td>
<td>22002350</td>
</tr>
<tr>
<td>X-Mind™ System mobile support</td>
<td>F03104</td>
<td>29700389</td>
</tr>
</tbody>
</table>
INTRAORAL RADIOLOGY
Accessories

X-Mind™ AC pantograph
F03705 29700813.C

X-Mind™ DC pantograph
F03822 29701006.C

X-Mind™ System pantograph
F03150 29700377

X-Mind™ AC/DC 0.40 m extensor for bottom mounting
F03124 29700380.C

X-Mind™ AC/DC 0.80 m extensor 29700378.C for bottom mounting

X-Mind™ AC/DC 1.10 m extensor for bottom mounting
F03126 29700379.C

X-Mind™ AC/DC 0.80 m extensor with pantograph and wall plate
F03702 5.30.00131

X-Mind™ AC/DC 1.10 m extensor with pantograph and wall plate
F03703 5.30.00132

X-Mind™ AC/DC 0.40 m extensor for top mounting
F03720 29700620.C

X-Mind™ AC/DC 0.80 m extensor for top mounting
F03133 29700621.C

X-Mind™ AC/DC 1.10 m extensor for top mounting
F03742 29700622.C

X-Mind™ System 0.40 m extensor for column unit
F03128 29700381.C

X-Mind™ System 0.40 m extensor for ceiling mounting
F03127 29700382.C
INTRAORAL RADIOLOGY
Digital radiology system by phosphor plate

PSPIX²
Digital imaging plate system

Includes 4 imaging plates (2 x size 1, 2 x size 2), 200 bags & covers for imaging plate (100 x size 1, 100 x size 2), an imaging plate storage box, 1 stylus for touchscreen, 1 unit cover, 1 cleaning plate, 1 power supply 100-240 VAC, 1 Ethernet cable, SOPRO Imaging software and its licence.

> Windows® compatible
> Mac® compatible

PSPIX² Brochure

WINDOWS® MINIMUM CONFIGURATION
• Operating system: Windows® 7 SP1
• Processor: Core 2 duo - 3GHz
• Mémoire : 2 GB
• RAM: 250 GB

MAC® MINIMUM CONFIGURATION
• Computer: MacBook® Pro 13.3” or iMac 21.5”
• Operating system: Mac® OS X Mavericks
• Processor: Intel® Core 2 Duo

• Graphic card: 512 MB of video RAM unshared memory compatible DirectX 9
• Screen resolution: 1280 x 1024 pixels
• Ethernet board: 1 GB/s

• RAM: 2 GB
• Ethernet board: 1 GB/s
STANDARD IMAGING PLATE

<table>
<thead>
<tr>
<th>Power</th>
<th>PSPIX²</th>
<th>Set of 2</th>
<th>PSPIX 1st generation</th>
<th>Set of 6</th>
</tr>
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<tr>
<td>Size 0 (22 x35 mm)</td>
<td>990215</td>
<td>990215</td>
<td>S_700178</td>
<td></td>
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<tr>
<td>Size 1 (24 x40 mm)</td>
<td>990216</td>
<td>990216</td>
<td>S_700179</td>
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<tr>
<td>Size 2 (31 x41 mm)</td>
<td>990217</td>
<td>990217</td>
<td>S_700180</td>
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<tr>
<td>Size 3 (27 x54 mm)</td>
<td>990218</td>
<td>990218</td>
<td>S_700181</td>
<td></td>
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</tbody>
</table>

IDOT™ IMAGING PLATE
Numbered plate for a better identification.

<table>
<thead>
<tr>
<th>Power</th>
<th>PSPIX²</th>
<th>Set of 2</th>
<th>PSPIX 1st generation</th>
<th>Set of 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 0 (22 x35 mm)</td>
<td>S_700182</td>
<td>S_700182</td>
<td>S_700182</td>
<td></td>
</tr>
<tr>
<td>Size 1 (24 x40 mm)</td>
<td>S_700183</td>
<td>S_700183</td>
<td>S_700183</td>
<td></td>
</tr>
<tr>
<td>Size 2 (31 x41 mm)</td>
<td>S_700184</td>
<td>S_700184</td>
<td>S_700184</td>
<td></td>
</tr>
<tr>
<td>Size 3 (27 x54 mm)</td>
<td>S_700185</td>
<td>S_700185</td>
<td>S_700185</td>
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</tbody>
</table>
INTRAORAL RADIOLOGY
Accessories

PROTECTIVE BAG FOR IMAGING PLATE

<table>
<thead>
<tr>
<th>Size</th>
<th>PSPIX²</th>
<th>Set of 250</th>
<th>PSPIX ¹&lt;sup&gt;st&lt;/sup&gt; generation</th>
<th>Set of 250</th>
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<tbody>
<tr>
<td>Size 0</td>
<td>700342L</td>
<td>700342L</td>
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<tr>
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<td>700343L</td>
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<tr>
<td>Size 2</td>
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<td>700344L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size 3</td>
<td>700345L</td>
<td>700345L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BAG & COVER FOR IMAGING PLATE

<table>
<thead>
<tr>
<th>Size</th>
<th>PSPIX²</th>
<th>Set of 300</th>
<th>PSPIX ¹&lt;sup&gt;st&lt;/sup&gt; generation</th>
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<td>700338L</td>
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<td>Size 1</td>
<td>700547</td>
<td>700339L</td>
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<td></td>
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<tr>
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<tr>
<td>Size 3</td>
<td>700549</td>
<td>700341L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACCESSORIES

Positioning set for PSPIX® imaging plate
Includes five positioning holders with ring for bitewing and two centring devices.

Positioning set for PSPIX® imaging plate
Includes two positioning holders with ring for anterior teeth, two positioning holders with ring for posterior teeth and two centring devices.

SOPROTABS
Adhesive foam tab (500 pieces in a single pasteboard)
ACCESSORIES PSPIX²

**Accessories start up kit**
- 200 bags and covers
- (100x size 1 and 100x size 2)

**Imaging plate storage box**
- to store safely imaging plate

**Stylus for PSPIX² touchscreen**

**Cleaning plate**

**Unit Cover**

**Autoclavable removable parts**

ACCESSORIES PSPIX 1st generation

**Starter kit of standard imaging plate**
- Includes 10 standard imaging plates
- in 4 different sizes (2x size 0, 2x size 1, 5x size 2 and 1x size 3)

**Starter kit of accessories**
- 100 Hygiene Bag and
- 100 Protective Cover of each size.

**Imaging plate storage box**
- (delivered without imaging plates)

«Medical device» power supply for PSPIX®

---

**ACCESSORIES PSPIX²**

**S_700550**

**SOPRO a company of ACTEON Group**

**ZAC Athélia IV - 13705 LA CIOTAT Cedex - France**

**Tel. +33 (0) 442 980 101 - Fax +33 (0) 442 717 690**

**MANUFACTURER/FABRICANT**

**Autoclavable removable parts**

**S_700200**

**S_700201**

**S_700482**

**703004**
SOPIX²

CMOS sensor with optic fiber 1.5 million of pixels (size 1) or 2.21 millions of pixels (size 2), Theoretical resolution 25 lp/mm, real resolution > 18 lp/mm, 3.70 m cable. Includes ACE technology (Automatic Control Exposure). Delivered with a sensor holder, 10 sensor sheaths, SOPRO Imaging software and its licence.

SOPIX² USB SENSOR SIZE 1 - HIGH DEFINITION for Windows® S_802_0004
SOPIX² USB SENSOR SIZE 2 - HIGH DEFINITION for Windows® S_802_0005
SOPIX² USB SENSOR SIZE 1 - HIGH DEFINITION for Mac® S_802_2000
SOPIX² USB SENSOR SIZE 2 - HIGH DEFINITION for Mac® S_802_2001

SOPIX

CMOS sensor with optic fiber 1.5 million of pixels (size 1) or 2.21 millions of pixels (size 2), Theoretical resolution 25 lp/mm, real resolution > 12 lp/mm, 3.70 m cable. Includes ACE technology (Automatic Control Exposure). Delivered with a sensor holder, 10 sensor sheaths, SOPRO Imaging software and its licence.

SOPIX® USB SENSOR SIZE 1 - STANDARD DEFINITION for Windows® S_802_3000
SOPIX® USB SENSOR SIZE 2 - STANDARD DEFINITION for Windows® S_802_3001
SOPIX® USB SENSOR SIZE 1 - STANDARD DEFINITION for Mac® S_802_4000
SOPIX® USB SENSOR SIZE 2 - STANDARD DEFINITION for Mac® S_802_4001
ACCESSORIES

Positioning set for SOPIX series sensors
Includes five positioning holders with ring (bitewing, anterior, posterior, endo anterior, endo posterior) and five centring devices.

Sopix²/ Sopix sensor holder
Size 1 or Size 2

Sheaths for SOPIX series sensors
(500 pieces in a single pasteboard)
> for size 1 SOPIX series sensors
> for size 2 SOPIX series sensors

USB2.0 active repeater cable (Booster)
Length : 5 m

SOPROTABS
Adhesive foam tab
(500 pieces in a single pasteboard)

Sopro® Imaging upgrade licence
For Windows®
For Mac®
Digital X-ray Systems to integrate into X-Mind™ unity

CMOS sensor with optic fiber, 1.5 million pixels (size 1) or 2.21 millions pixels (size 2), theoretical resolution of 25 lp/mm, real resolution of > 18 lp/mm, 0.70 m cable. Includes ACE technology (Automatic Control Exposure).

Delivered with a sensor holder integrated to the controller, 10 sensor sheaths, SOPRO® Imaging software and its licence.

**SOPIX®² INSIDE SENSOR SIZE 1 - HIGH DEFINITION for Windows®**  
S_802_5000

**SOPIX®² INSIDE SENSOR SIZE 2 - HIGH DEFINITION for Windows®**  
S_802_5001

**SOPIX®² INSIDE SENSOR SIZE 1 - HIGH DEFINITION for Mac®**  
S_802_5002

**SOPIX®² INSIDE SENSOR SIZE 2 - HIGH DEFINITION for Mac®**  
S_802_5003
Digital X-ray Systems to integrate into X-Mind™ unity

CMOS sensor with optic fiber, 1,5 million pixels (size 1) or 2,21 millions pixels (size 2), theoretical resolution of 25 lp/mm, real resolution of > 12 lp/mm, 0,70 m cable. Includes ACE technology (Automatic Control Exposure).

Delivered with a sensor holder integrated to the controller, 10 sensor sheaths, SOPRO® Imaging software and its licence.

**SOPIX® INSIDE SENSOR SIZE 1 - STANDARD DEFINITION for Windows®**

**SOPIX® INSIDE SENSOR SIZE 2 - STANDARD DEFINITION for Windows®**

**SOPIX® INSIDE SENSOR SIZE 1 - STANDARD DEFINITION for Mac®**

**SOPIX® INSIDE SENSOR SIZE 2 - STANDARD DEFINITION for Mac®**
EXTRAORAL RADIOLOGY
Panoramic extraoral imaging system

OrthoPantoTomograph (OPG) including one high sensibility CCD sensor and Sopro® Imaging Software. Delivered without computer.

X-MIND™ ONE PANO

| Standard Dimensions | Column height: 2315 mm | F03500 | 700785 |
| Short dimensions    | Column height: 2225 mm  | F03502 | 700786 |
Disposable bite block cover (200 pcs) 700770
Chin rest/lip support cover (200 pcs) 700771
Disposable chin cup cover (200 pcs) 700772
Chin rest assembly 700773
Bite block (10 pcs) 700774
Bite block rod high SRC 700775
Bite block rod low SRC 700776
Lip support 700777
Lip holder 700778
Remote exposure button upgrade kit 700779
EXTRAORAL RADIOLOGY
Accessories

- Ball-pin test tool 700780
- CU filter ASM 0,8 700787
- CU filter ASM 1,8 700788
- Adapter 700789
- Test tool digital S 63912 700782
- PAN layer and alignment phantom 700790
- Exhibition stand 700784
3D imaging system

• Easily upgradeable
• Superior image processing with SHARP and STAR
• Patented Ceph collimation
• Large selection of F.O.V: Ø40x40, 60x60, 80x80 and 110x80
X-MIND™ TRIUM PAN

Control panel on the right  
Control panel on the left  

OrthoPantoTomograph (OPG), 115-220 V, With One CMOS Pan 2D sensor for panoramic imaging
• Adult and Child Panoramic programs
• Improved Orthogonality
• TMJ section
• Maxillary Sinus exam

ACTEON® Imaging Suite Software, for visualisation of 2D. Compatible with the 2D radiology product of the group. Installation and user e-manuals, 2 years standard warranty.

Not included: Workstation PC and monitor, Light.

WARRANTY EXTENSIONS

Warranty extension for 1 additional year  
W0900022
Warranty extension for 2 additional years  
W0900023
Warranty extension for 3 additional years  
W0900024

UPGRADES

X-Mind™ Trium Pan Upgrade 3D  
W0900017
X-Mind™ Trium Pan Upgrade Ceph right 3D - Final 2 2D sensors  
W0900049
X-Mind™ Trium Pan Upgrade Ceph left 3D - Final 2 2D sensors  
W0900050
X-Mind™ Trium Pan Upgrade Ceph right - Final 2 2D sensors  
W0900013
X-Mind™ Trium Pan Upgrade Ceph left - Final 2 2D sensors  
W0900014
<table>
<thead>
<tr>
<th>X-MIND™ TRIUM PAN CEPH</th>
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<tbody>
<tr>
<td>CEPH left (control panel on the right) W0900003</td>
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<tr>
<td>CEPH right (control panel on the left) W0900009</td>
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<tr>
<td>CEPH right (control panel on the right) W0900230</td>
</tr>
<tr>
<td>CEPH left (control panel on the left) W0900232</td>
</tr>
</tbody>
</table>

OrthoPantoTomograph (OPG), 115-220 V, With One CMOS Ceph 2D sensor used for panoramic imaging and cephalometry.
- Adult and Child Panoramic programs
- Improved Orthogonality
- TMJ section
- Maxillary Sinus exam
- Cephalometric exam

ACTEON® Imaging Suite Software, for visualisation of 2D. Compatible with the 2D radiology product of the group.
Installation and user e-manuals, 2 years standard warranty.

Not included: Workstation PC and monitor, Light.

WARRANTY EXTENSIONS

| Warranty extension for 1 additional year W0900025 |
| Warranty extension for 2 additional years W0900026 |
| Warranty extension for 3 additional years W0900027 |

UPGRADES

| X-Mind™ Trium Pan Ceph Upgrade 3D W0900053 |
| X-Mind™ Trium Pan 2D sensor W0900036 |
**X-MIND™ TRIUM PAN 3D**

Control panel on the right  
Control panel on the left

OrthoPantoTomograph (OPG), Cephalostat and CBCT, 115-220V  
With One CMOS Ceph 2D sensor for panoramic imaging and cephalometric imaging and one Flat Panel Detector for CBCT.  
• Adult and Child Panoramic programs  
• Improved Orthogonality  
• TMJ section  
• Maxillary Sinus exam  
• CBCT FOV Ø40x40, Ø60x60, Ø80x80, Ø110x80

Workstation PC with standard monitor. Software preinstalled.  
Acteon Imaging Suite Software, for visualisation of 2D.  
Compatible with the 2D radiology product of the group.  
1 Licence of AIS 3D App. 3D visualisation and Implant planning application and one floating licence.  
Installation and user e-manuals, 2 years standard warranty.

Not included: Light..

---

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OrthoPantoTomograph (OPG), Cephalostat and CBCT, 115-220 V. With One CMOS Ceph 2D sensor for panoramic imaging and cephalometric imaging and one Flat Panel Detector for CBCT.

- Adult and Child Panoramic programs
- Improved Orthogonality
- TMJ section
- Maxillary Sinus exam
- Cephalometric exam
- CBCT FOV Ø40x40, Ø60x60, Ø80x80, Ø110x80

Workstation PC with standard monitor. Software preinstalled.

ACTEON® Imaging Suite Software, for visualisation of 2D. Compatible with the 2D radiology product of the group.

1 Licence of AIS 3D App. 3D visualisation and Implant planning application and one floating licence.

Installation and user e-manuals, 2 years standard warranty.

Not included: Light.

WARRANTY EXTENSIONS

- Warranty extension for 1 additional year
- Warranty extension for 2 additional years
- Warranty extension for 3 additional years

UPGRADES

- X-Mind™ Trium Pan 2D sensor
**ACTEON® IMAGING SUITE**

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<td>29701225.CW</td>
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Cone Beam Computed Tomography System

- High quality image with calibrated HU
- Robust mechanical structure
- Full and precise diagnostic
- Acquisition and reconstruction in less than 2 minutes

**WHITEFOX® 230V**

Delivered with calibration Phantoms, workstation PC with standard monitor, WhiteFox® Imaging software with 4 more licences, installation manual and user's manuals. 2 year standard warranty.

**WHITEFOX® VERSION MURALE 230V**

Delivered with calibration Phantoms, workstation PC with standard monitor, WhiteFox® Imaging software with 4 more licences, installation manual and user's manuals. 2 year standard warranty.
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DIFFERENTIATES THE COLOR OF TISSUE AND REVEALS ORAL HYGIENE PATHOLOGIES
• CARIO mode: caries are detected as red, surrounding tissue is displayed in black and white.
• PERIO mode: highlight plaque, calculus, and gingival inflammation.
• DAYLIGHT mode: communicate more effectively with your patient and see details that are not visible with the naked eye.

• Light (78g)
• 4 pre-set selections (extraoral, intraoral, one tooth, macro)
• Lighting by LED : four white - three blue
• Freezing by sensitive touch “SoproTouch®” or footswitch (option)

SOPROCARE® Handpiece
Delivered with four SOPROTIPS, a handpiece holder, SOPRO® Imaging software and its licence. Needs to be used with a docking station.

WINDOWS® MINIMUM CONFIGURATION
• Windows® 7 SP1
• Processor : Core 2 duo - 3 GHz
• RAM: 2 GB
• Hard disk: 250 GB
• 4 USB2 Hi-Speed ports
• Graphic card: 512 MB de RAM unshared memory compatible DirectX 9
• USB chipset : Intel® or NEC®/RENESAS®
• Screen resolution: 1280 x 1024

MAC® MINIMUM CONFIGURATION
• Computer: MACBook® Pro 13.3” or iMac 21.5”
• Operating system: MAC® OS X Mavericks
• Processor: Intel Core 2 Duo
• RAM: 2 GB

TECHNICAL SPECIFICATIONS - SOPROCARE
• Sensor: CCD 1/4” high sensitivity
• Resolution: (752 x 582) PAL, (768 x 494) NTSC
• Lighting: 7 LED ( 4 white, 3 blue)
• Adjustments: 4 pre-set positions (Extraoral, Intraoral, 1 Tooth, Macro)
• Angle of view: 70°
PACKS SOPROCARE® + DOCKING STATION

- SOPROCARE® + Dock USB2
  (Windows® or Mac®)

- SOPROCARE® + Dock M_Video

- SOPROCARE® + Dock MU_Video(1)

- SOPROCARE® + Dock U_USB2(2)
  (Windows® or Mac®)

- SOPROCARE® + Mini Dock U_USB2(2)
  (Windows® or Mac®)

- SOPROCARE® + Dock M_USB2
  (Windows® or Mac®)

- SOPROCARE® + Dock MU_USB2(3)
  (Windows® or Mac®)

(1) Dock MU Video : Built-in docking station with image memory.
(2) Dock U USB2/Mini Dock U USB2 : Built-in docking station with USB2 output.
(3) Dock MU USB2 : Built-in docking station with image memory and USB2 output.
AUTOFLUORESCENCE HIGHLIGHTS DECAY AND PROMOTES MINIMALLY INVASIVE TREATMENT

• DIAGNOSTIC aid mode: identify the development of occlusal and proximal carious lesions.
• TREATMENT aid mode: perform minimally invasive treatment by preserving healthy tissue.
• DAYLIGHT mode: from portrait to macrovision, obtain sharp images with the large depth of field.

• Light (78g)
• 4 pre-set selections (extraoral, intraoral, one tooth, macro)
• Lighting by LED: 4 whites (Daylight mode) or 4 blues (diagnostic or traitement mode)
• Freezing by sensitive touch “SoproTouch®” or footswitch (option)

SOPROLIFE® Handpiece

Delivered with four SOPROTIPS, a handpiece holder, SOPRO® Imaging software and its licence. Needs to be used with a docking station.

### WINDOWS® MINIMUM CONFIGURATION

- Windows® 7 SP1
- Processor: Core 2 duo - 3 GHz
- RAM: 2 GB
- Hard disk: 250 GB
- 4 USB2 Hi-Speed ports
- Graphic card: 512 MB de RAM unshared memory compatible DirectX 9
- USB chipset: Intel® or NEC®/RENESAS®
- Screen resolution: 1280 x 1024

### MAC® MINIMUM CONFIGURATION

- Computer: MACBook® Pro 13.3” or iMac 21.5”
- Operating system: MAC® OS X Mavericks
- Processor: Intel Core 2 Duo
- RAM: 2 GB

### TECHNICAL SPECIFICATIONS - SOPROLIFE

- Sensor: CCD 1/4” high sensitivity
- Resolution: (752 x 582) PAL, (768 x 494) NTSC
- Lighting: 8 LED (4 white, 4 blue)
- Adjustments: 4 pre-set positions (Extraoral, Intraoral, 1 Tooth, Macro)
- Angle of view: 70°
PACKS SOPROLIFE® + DOCKING STATION

SOPROLIFE® + Dock USB2 (Windows® or Mac®)

SOPROLIFE® + Dock M_Video

SOPROLIFE® + Dock MU_Video (1)

SOPROLIFE® + Dock U_USB2 (2) (Windows® or Mac®)

SOPROLIFE® + Mini Dock U_USB2 (2) (Windows® or Mac®)

SOPROLIFE® + Dock M_USB2 (Windows® or Mac®)

SOPROLIFE® + Dock MU_USB2 (3) (Windows® or Mac®)

(1) Dock MU Video : Built-in docking station with image memory.
(2) Dock U_USB2/Mini Dock U_USB2 : Built-in docking station with USB2 output.
(3) Dock MU USB2 : Built-in docking station with image memory and USB2 output.

DIAGNOSTIC aid mode

TREATMENT aid mode

DAYLIGHT mode
IMAGING COLOR SYSTEMS
Intraoral cameras

SOPRO® 717 FIRST
Handpiece

Delivered with a handpiece holder, SOPRO® Imaging software and its licence. Needs to be used with a docking station.

SOPRO® 717 FIRST
Handpiece

- Light (75g)
- 3 pre-selections (extraoral, intraoral, macro)
- Lighting by LED (x8)
- Freezing by sensitive touch “SoproTouch®” or footswitch (option)

SOPRO® 717 FIRST
Handpiece

- Sensor: CCD 1/4” high sensitivity
- Resolution: (752 x 582) PAL, (768 x 494) NTSC
- Lighting: 8 LED
- Adjustments: 3 pre-set positions (Extraoral, Intraoral, Macro)
- Angle of view: 70°

TECHNICAL SPECIFICATIONS - SOPRO 717 FIRST

- Sensor: CCD 1/4” high sensitivity
- Resolution: (752 x 582) PAL, (768 x 494) NTSC
- Lighting: 8 LED
- Adjustments: 3 pre-set positions (Extraoral, Intraoral, Macro)
- Angle of view: 70°

WINDOWS® MINIMUM CONFIGURATION

- Windows® 7 SP1
- Processor: Core 2 duo - 3 GHz
- RAM: 2 GB
- Hard disk: 250 GB
- 4 USB2 Hi-Speed ports
- Graphic card: 512 MB de RAM unshared memory compatible DirectX 9
- USB chipset: Intel® or NEC®/RENESAS®
- Screen resolution: 1280 x 1024

MAC® MINIMUM CONFIGURATION

- Computer: MACBook® Pro 13.3” or iMac 21.5”
- Operating system: MAC® OS X Mavericks
- Processor: Intel Core 2 Duo
- RAM: 2 GB
PACKS SOPRO® 717 FIRST + DOCKING STATION

- **SOPRO® 717 First + Dock USB2** *(Windows® or Mac®)*
- **SOPRO® 717 First + Dock M_Video**
- **SOPRO® 717 First + Dock MU_Video** *(1)*
- **SOPRO® 717 First + Dock U_USB2** *(2)* *(Windows® or Mac®)*
- **SOPRO® 717 First + Mini Dock U_USB2** *(2)* *(Windows® or Mac®)*
- **SOPRO® 717 First + Dock M_USB2** *(Windows® or Mac®)*
- **SOPRO® 717 First + Dock MU_USB2** *(3)* *(Windows® or Mac®)*

(1) Dock MU Video : Built-in docking station with image memory.
(2) Dock U_USB2/Mini Dock U_USB2 : Built-in docking station with USB2 output.
(3) Dock MU USB2 : Built-in docking station with image memory and USB2 output.
**IMAGING COLOR SYSTEMS**

**Intraoral cameras**

**SOPRO 617 Handpiece**

Delivered with a handpiece holder, SOPRO Imaging software and its licence. Needs to be used with a docking station.

**WINDOWS® MINIMUM CONFIGURATION**

- Windows® 7 SP1
- Processor: Core 2 duo - 3 GHz
- RAM: 2 GB
- Hard disk: 250 GB
- 4 USB2 Hi-Speed ports
- Graphic card: 512 MB de RAM unshared memory compatible DirectX 9
- USB chipset : Intel® or NEC®/RENESAS®
- Screen resolution: 1280 x 1024

**MAC® MINIMUM CONFIGURATION**

- Computer: MACBook® Pro 13.3” or iMac 21.5”
- Operating system: MAC® OS X Mavericks
- Processor: Intel Core 2 Duo
- RAM: 2 GB

**TECHNICAL SPECIFICATIONS - SOPRO 617**

- Sensor: CCD 1/4” high sensitivity
- Resolution: (752 x 582) PAL, (768 x 494) NTSC
- Lighting: 8 LED
- Angle of view: 80° (105° angle of view)
- No adjustments

**SOPRO® 617**

- Very light (55g)
- Freezing by sensitive touch “SoproTouch®” or footswitch (option)
- No adjustment
- Lighting by LED (x8)
- Non-inverted image
- 105° angle of view
PACKS SOPRO® 617 + DOCK

- SOPRO® 617 + Dock USB2 (Windows® or Mac®)
- SOPRO® 617 + Dock M_Vidéo
- SOPRO® 617 + Dock MU_Vidéo(1)
- SOPRO® 617 + Dock U_USB2(2) (Windows® or Mac®)
- SOPRO® 617+ Mini Dock U_USB2(2) (Windows® or Mac®)
- SOPRO® 617 + Dock M_USB2 (Windows® or Mac®)
- SOPRO® 617 + Dock MU_USB2(3) (Windows® or Mac®)

(1) Dock MU Video : Built-in docking station with image memory.
(2) Dock U USB2/Mini Dock U USB2 : Built-in docking station with USB2 output.
(3) Dock MU USB2 : Built-in docking station with image memory and USB2 output.
DOCKING STATIONS FOR VIDEO CONNECTION

Dock M_Video
Connection box with image memory

Equipped with Video/S-Video, delivered with one power supply 100-240 VAC, one 1.5 meters video cable, one 1.5 meters S-video cable, one 2.5 meters linking cable.

Dock MU_Video
Built-in docking station with image memory

Please select the accessories for this module on page 53.

DOCKING STATIONS FOR WINDOWS®

Dock M_USB2
Connection box with image memory and USB2 output

Equipped with Video/S-Video/USB2 outputs, delivered with one power supply 100-240 VAC, one 1.5 meters video cable, one 1.5 meters S-video cable, one 2 meters USB cable, one 2.5 meters linking cable.

Dock MU_USB2 Windows®
Built-in docking station with image memory and USB2 output

Please select the accessories for this module on page 53.

Dock U_USB2 Windows®
Built-in docking station with USB2 output

Please select the accessories for this module on page 53.

Mini dock U_USB2 Windows®
Built-in docking station with USB2 output

Please select the accessories for this module on page 53.

Dock USB2
USB2 connection box

Including one USB2.0 docking station with 3.5 meters linking cable.
DOCKING STATIONS FOR MAC®

**Dock M_USB2**
Connection box with image memory and USB2 output

Equipped with Video/S-Video/USB2 outputs, delivered with one power supply 100-240 VAC, one 1.5 meters video cable, one 1.5 meters S-video cable, one 2 meters USB cable, one 2.5 meters linking cable.

**Dock MU_USB2 Mac®**
Built-in docking station with image memory and USB2 output

Please select the accessories for this module on page 53.

**Dock U_USB2 Mac®**
Built-in docking station with USB2 output

Please select the accessories for this module on page 53.

**Mini dock U_USB2 Mac®**
Built-in docking station with USB2 output

Please select the accessories for this module on page 53.

**Dock USB2**
USB2 connection box

Including one USB2.0 docking station with 3.5 meters linking cable.
**SOPRO® IMAGING SOFTWARE**

**SOPRO® Imaging upgrade licence**

- For Windows®
  - 505019
- For Mac®
  - 505022

**FOOTSWITCHES**

- Footswitch for image memory
  - 009002
- USB2 footswitch for image memory
  - 009009

**SHEATHS**

- Sheaths for SOPROLIFE®, SOPROCARE® or SOPRO® 717 FIRST
  - 403017
  - 500 pieces in a single pasteboard
- Sheaths for Sopro® 617
  - 403023
  - 500 pieces in a single pasteboard
- Sheaths for Sopro® 595
  - 403001
  - 500 pieces in a single pasteboard

**HANDPIECE HOLDERS**

- Handpiece holder for SOPROLIFE®, SOPROCARE®, Sopro® 717 First, Sopro® 617 and Sopro® 595
  - 926063
  - Only for unsheathed linking cables.

**ACCESSORIES**

- SPROTIPS for SOPROLIFE® and SOPROCARE®
  - 990135
  - Protection tip against light.
  - Sterilization by autoclave.
  - (Set of 4 pieces)
### Configuration of Mini Dock, Dock MU and Dock U

#### Built-In Docking Station
- Dock MU USB2
- Dock MU Video
- Dock U USB2
- Mini dock U USB2

#### Sheath
- RAL 9002 color
- A-dec 300 color
- A-dec 500 color
- Belmont color
- Fedesa color
- Without sheath

#### Holder
- Instrument
- Standard
- Cattani Ø21
- Pendant UK
- Handpiece holder

#### Linking Cable
- 2 meters
- 2.5 meters
- 5 meters
- 7 meters

#### Accessories
- Footswitch
- Video cable RCA/RCA 1,5m
- S-video cable YC/YC 1,5m or 5m
- USB2.0 cable 2m, 5m or 8m
  - For dock U USB2: mini USB2.0 cable only available in 5m.
Cables

**Linking cable 2,5m**
With connector on both sides
SOPROLIFE®/Sopro® 717/Sopro® 617
922050

**Linking cable 5m**
With connector on both sides
SOPROLIFE®/Sopro® 717/Sopro® 617
922051

**Linking cable 7m**
With connector on both sides
SOPROLIFE®/Sopro® 717/Sopro® 617
922120

**Video cable**
With RCA/RCA connector.
Length : 1,5 m
002003

**S-video cable**
With YC/YC connector.
Length : 1,5 m
002004

**S-video cable**
With YC/YC connector.
Length : 5 m
700012

**USB2.0 cable**
A/B type. Length : 2 m
002081

**USB2.0 cable**
A/B type. Length : 5 m
002091

**USB2.0 cable**
A/B type. Length : 8 m
002123

**Mini USB2.0 cable**
Length : 5 m
*Only for Dock U-USB2.*
002148

**USB2.0 active repeter cable (Booster)**
Length : 5 m
700381
22” NEOVO SCREEN

NEOVO 22” LCD MONITOR

- Panel size: 21.5”
- Max. Resolution: FHD 1920X1080
- Pixel Pitch: 0,248 mm
- Brightness: 250 cd/m²
- Contrast Ratio: 2,000,000:1 (DCR)
- Viewing angle (H/V): 170°/160°
- Display color: 16,7 M
- Input: VGA, DVI, CVBS, S-Video, HDMI
- VESA DDC1/2b, DPMS Plug & Play
- Product dimensions: 513 x 369 x 155 mm (W x H x D)

LCD monitor arm for unit chair
Ø 40 to 70 mm
VESA 75/100 fixation type
360° screen rotation

«Medical device» power supply
for NEOVO LCD monitor
IMAGING COLOR SYSTEMS
Connections

Dock M-USB2
Dock M-Video

Dock MU-USB2
Dock MU-Video

Video/S-Video

Video/S-Video

Video/S-Video

Video/S-Video

Dock M-USB2
Dock M-Video

Dock MU-USB2
Dock MU-Video

Video capture board

USB2

PC

USB2

PC

USB2

Laptop

USB2

TFT VGA monitor

USB2

Laptop

USB2

TFT VGA monitor

USB2

Laptop

USB2

Laptop

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WHERE TO FIND information on ACTEON® products

COMMERCIAL LEAFLETS AND USER MANUALS

available on our website
www.actedongroup.com

VIDEOS

YouTube channel
ACTEON Equipment

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ACTEON Imaging

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ACTEON Pharma
# ACTEON EQUIPMENT

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<td>Misc. accessories</td>
<td>151</td>
</tr>
<tr>
<td>Endo motors accessories</td>
<td>152</td>
</tr>
</tbody>
</table>

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**Note:** This table of contents lists the sections and sub-sections of the ACTEON EQUIPMENT manual, along with the page numbers for each section.
ULTRASONICS
NEWTRON® BOOSTER

230 V CE

Delivered with a Newtron® handpiece, a power supply, a N°1 tip and a autoclavable universal wrench.
**ACCESSORIES**

**NEWTRON® handpiece**
without LED, autoclavable, light grey/dark grey  
*F12281*

**IMPORTANT**
Handpieces compatible with all ACTEON® Equipment Dental Tips (with color coded ring).

**NEWTRON® handpiece cord**
for NEWTRON® BOOSTER  
non-disconnectable  
*X00244*

**Footswitch**
non-disconnectable  
*F00028*

**Handpiece holder**
silicone  
*E60108*
NEWTRON® P5 B.LED

230 V CE

Delivered with a NEWTRON® SLIM B.LED handpiece with blue ring, a white LED ring, a F.L.A.G.™ kit (5x1.5ml), a power supply, a N°1 tip and an autoclavable universal wrench.
ACCESSORIES

NEWTRON® SLIM B.LED handpiece with blue LED ring  F12900

NEWTRON® SLIM B.LED handpiece with white LED ring  F12905

**IMPORTANT**
Handpieces compatible with all ACTEON® Equipment Dental Tips (with color coded ring).

NEWTRON® SLIM B.LED blue LED ring  F62201

NEWTRON® SLIM B.LED white LED ring  F12915

NEWTRON® SLIM B.LED handpiece cord non-disconnectable  X00226

Footswitch non-disconnectable  F00044

Handpiece holder silicone  E60108

F.L.A.G.™ for B.LED dental plaque discloser 5 x 1.5 ml  F62200

F.L.A.G.™ for B.LED dental plaque discloser 100 ml  F62203
NEWTRON® P5 XS B. LED
230 V CE

Delivered with a NEWTRON® SLIM B. LED handpiece with blue ring, a white LED ring, a F.L.A.G.™ kit (5x1.5ml), a power supply, 3 tips (N°1, N°1S, H3) and an autoclavable universal wrench.
NEWTRON® P5 XS B.LED BLUETOOTH
230 V CE

Delivered with a NEWTRON® SLIM B.LED handpiece with blue ring, a white LED ring, a F.L.A.G.™ kit (5x1.5ml), a power supply, 3 tips (N°1, N°1S, H3), an autoclavable universal wrench, a iPhone 4 holder and a iPhone 5 holder.
ACCESSORIES

NEWTRON® SLIM B.LED handpiece
with blue LED ring  F12900

NEWTRON® SLIM B.LED handpiece
with white LED ring  F12905

IMPORTANT
Handpieces compatible with all ACTEON® Equipment Dental Tips (with color coded ring).

NEWTRON® SLIM B.LED blue LED ring  F62201

NEWTRON® SLIM B.LED white LED ring  F12915

NEWTRON® Slim B.LED handpiece cord
Non-disconnectable  F00044

Footswitch
Non-disconnectable  F00044

Handpiece holder
silicone  E60108
Tank 300 ml  
F62004

Tank 500 ml  
F62005

iPhone 4 holder  
for NEWTRON® P5 XS B.LED Bluetooth  
F62023

iPhone 5 holder  
for NEWTRON® P5 XS B.LED Bluetooth  
F62024

F.L.A.G.™ for B.LED dental plaque discloser  
5 x 1.5 ml  
F62200

F.L.A.G.™ for B.LED dental plaque discloser  
100 ml  
F62203
COLOR CODING SYSTEM™

ACTEON® Dental Tips are color coded to show their recommended power range. The same color coding is displayed on the ultrasonic generators and dynamometric wrenches.

- Low power
  - Periodontics

- Medium power
  - Endodontics

- High power
  - Prophylaxis

- Very high power
  - Restorative and Conservative
TIPCARDS

TipCard Scaling
Tip wear guide for scaling tips

TipCard Perio
Tip wear guide for perio tips

BROCHURE

Dental tips catalog
**ULTRASONICS**

**Tips**

### Scaling

- **N°1**
  - F00246
  - Universal

- **N°2**
  - F00247
  - High power

- **N°3**
  - F00248
  - Removing stains

- **10P**
  - F00253
  - Supra and sub-gingival <3 mm

- **10X**
  - F00359
  - Interproximal

- **10Z**
  - F00254
  - Subgingival

- **N°1S**
  - F00245
  - Supra and sub-gingival

### Curettes & debridement

- **H1**
  - F00366
  - Anterior teeth, diamond-coated

- **H2L**
  - F00367
  - Premolars & molars, left-angled

- **H2R**
  - F00368
  - Premolars & molars, right-angled

- **H3**
  - F00369
  - Anterior teeth, curette

- **H4L**
  - F00114
  - Premolars & molars, left-angled

- **H4R**
  - F00115
  - Premolars & molars, right-angled

### PerioFine

- **PFU**
  - F02170
  - Universal

- **PFL**
  - F02171
  - Left-angled

- **PFR**
  - F02172
  - Right-angled
**implant** Protect

**Peri-implantitis treatments**

- **IP1**
  - F02121
  - Implant abutments and wide threads

- **IP2L**
  - F02122
  - Medium implant threads, left-angled

- **IP2R**
  - F02123
  - Medium implant threads, right-angled

- **IP3L**
  - F02124
  - Narrow implant threads, left-angled

- **IP3R**
  - F02125
  - Narrow implant threads, right-angled

**period** maintenance

**Periodontal maintenance**

- **TK1-1S**
  - F01001
  - Short probe

- **TK1-1L**
  - F01004
  - Long probe

- **TK2-1L**
  - F02162
  - Premolars & molars, left-angled

- **TK2-1R**
  - F02161
  - Premolars & molars, right-angled

**perio** Soft

**Prosthesis maintenance**

- **PH1** (x4)
  - F00702
  - Anterior teeth

- **PH2L** (x4)
  - F00705
  - Premolars & molars, left-angled

- **PH2R** (x4)
  - F00706
  - Premolars & molars, right-angled

**perio** Precision

**PerioPrecision**

- **P2L**
  - F00090
  - Narrow pockets debridement, left

- **P2R**
  - F00091
  - Narrow pockets debridement, right
**Endodontics - Irrigation**

- **K10-21 (x4)**  
  F43710  
  Ø 0.1/length 21 mm

- **K10-25 (x4)**  
  F43712  
  Ø 0.1/length 25 mm

- **K15-21 (x4)**  
  F43715  
  Ø 0.15/length 21 mm

- **K15-25 (x4)**  
  F43717  
  Ø 0.15/length 25 mm

- **K25-21 (x4)**  
  F43725  
  Ø 0.25/length 21 mm

- **K25-25 (x4)**  
  F43727  
  Ø 0.25/length 25 mm

- **K30-21 (x4)**  
  F43730  
  Ø 0.3/length 21 mm

- **K30-25 (x4)**  
  F43732  
  Ø 0.3/length 25 mm

**Passive Ultrasonic Irrigation**

- **IRR 20-21 (x4)**  
  F43807  
  Ø 0.2 mm  
  length 21 mm

- **IRR 20-25 (x4)**  
  F43808  
  Ø 0.2 mm  
  length 25 mm

- **IRR 25-21 (x4)**  
  F43805  
  Ø 0.25 mm  
  length 21 mm

- **IRR 25-25 (x4)**  
  F43806  
  Ø 0.25 mm  
  length 25 mm

**Apical surgery**

- **P14D**  
  F00106  
  Universel

- **P15LD**  
  F00107  
  Left-angled

- **P15RD**  
  F00108  
  Right-angled

- **S12-70D**  
  F00118  
  70° Universal
**Endodontie**

**Retreatment**

- **ET40**
  - F88012
  - Length 40 mm
- **ET40D**
  - F88014
  - Length 40 mm, diamond-coated
- **ET20D**
  - F88013
  - Length 20 mm, diamond-coated
- **SO4**
  - F88009
  - Gutta Percha condenser

**Endosuccess**

**Retreatment**

- **ET18D**
  - F88017
  - Cavity access finishing
- **ETBD**
  - F88020
  - Exploration
- **ET25S**
  - F88021
  - Short Ti-Nb tip
- **ET25**
  - F88018
  - Ti-Nb tip
- **ET25L**
  - F88022
  - Long Ti-Nb tip

**Endosuccess**

**Apical surgery**

- **AS3D**
  - F00065
  - Length 3 mm, Universal
- **AS6D**
  - F00079
  - Length 6 mm
- **AS9D**
  - F00067
  - Length 9 mm
- **ASLD**
  - F00080
  - Length 3 mm, left-angled (premolars)
- **ASRD**
  - F00081
  - Length 3 mm, right-angled (premolars)

**Endosuccess**

**Canal Access Prep**

- **CAP1**
  - F88181
  - Cavity preparation
- **CAP2**
  - F88182
  - Canal localization
- **CAP3**
  - F88183
  - Canal opening

**Canal Access Prep**

- **ET20**
  - F88011
  - Universal
- **ETPR**
  - F88019
  - Loosening
**Perfect Margin**

**Rounded**

<table>
<thead>
<tr>
<th>Preparation of the dentin</th>
<th>Preparation/finishing</th>
<th>Finishing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM1 F02250</td>
<td>PM2 F02251</td>
<td>PM3 F02252</td>
</tr>
<tr>
<td><strong>Preparation of the dentin</strong></td>
<td><strong>Preparation/finishing</strong></td>
<td><strong>Finishing</strong></td>
</tr>
</tbody>
</table>

**Prosthetic finishing (rounded)**

- **PM1 F02250**
- **PM2 F02251**
- **PM3 F02252**

**Corono-radicular preparation, conical, diamond-coated 46 μm**

**Veneers**

<table>
<thead>
<tr>
<th>Diamond-coated ball</th>
<th>Diamond-coated external spoon</th>
<th>Diamond-coated internal spoon</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMV1 F02021</td>
<td>PMV2 F02022</td>
<td>PMV3 F02023</td>
</tr>
<tr>
<td><strong>Diamond-coated ball</strong></td>
<td><strong>Diamond-coated external spoon</strong></td>
<td><strong>Diamond-coated internal spoon</strong></td>
</tr>
</tbody>
</table>

**Ceramic veneers finishing**

- **PMV1 F02021**
- **PMV2 F02022**
- **PMV3 F02023**

- **PMV4 F02024**
- **PMV5 F02025**
- **PMV6 F02026**

**Smooth external spoon**

**Smooth internal spoon**

**Smooth ball**

**Shoulder**

<table>
<thead>
<tr>
<th>Preparation of the dentin</th>
<th>Preparation/finishing</th>
<th>Finishing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMS1 F02254</td>
<td>PMS2 F02255</td>
<td>PMS3 F02256</td>
</tr>
<tr>
<td><strong>Preparation of the dentin</strong></td>
<td><strong>Preparation/finishing</strong></td>
<td><strong>Finishing</strong></td>
</tr>
</tbody>
</table>

**Prosthetic finishing (shoulder)**

- **PMS1 F02254**
- **PMS2 F02255**
- **PMS3 F02256**

**Diamond-coated ball**

**Diamond-coated external spoon**

**Diamond-coated internal spoon**

**Smooth external spoon**

**Smooth internal spoon**

**Smooth ball**
**Excavation**

- **EX1**
  - F02040
  - Occlusal surface
- **EX2**
  - F02041
  - Proximal surface
- **EX3**
  - F02042
  - Distal surface
- **EX-R**
  - F02043
  - 45° to the right
- **EX-L**
  - F02044
  - 45° to the left

**Loosening and condensation**

- **C20**
  - F00113
  - Inlay/onlay condensation
- **Piezocem caps x10**
  - F00397
- **GI-1**
  - F02151
  - Glass ionomer condensation
- **5AE**
  - F00249
  - Loosening with spray

**Canal Preparation**

- **EC**
  - F02245
  - Ellipson tip

*Discontinued, available until stock runs out*
ACTEON EQUIPMENT

Tips kits

**Scaling**

**Scaling kit**  
F00934

Delivered with an autoclavable plastic box, N°1, N°1S, N°10X, H3 tips, three autoclavable dynamometric blue wrenches and one autoclavable dynamometric green wrench.

**Hygiene**

**Hygiene kit**  
F00935

Delivered with an autoclavable plastic box, N°1, N°1S, N°10Z, TK1-1S tips, three autoclavable dynamometric blue wrenches and one autoclavable dynamometric green wrench.

**Excavus**

**Excavus® Kit**  
F00739

Delivered with EX1, EX2, EX3, EXL, EXR tips, an autoclavable metal support and an autoclavable universal wrench.

**Perio**

**Perio kit**  
F00936

Delivered with an autoclavable plastic box, N°1S, H3, H4L, H4R tips, three autoclavable dynamometric green wrenches and one autoclavable dynamometric blue wrench.
**PerioPrecision**

**PerioPrecision™ kit**  
F00939  
Delivered with an autoclavable plastic box, P2L, P2R, TK1-1S tips and three green autoclavable dynamometric wrenches.

**Maintenance kit (BDR)**  
F00937  
Delivered with an autoclavable plastic box, TK1-1S, TK1-1L, TK2-1L, TK2-1R tips, four autoclavable dynamometric green wrenches.

**ImplantProtect**

**ImplantProtect kit**  
F02120  
Delivered with IP1, IP2L, IP2R, IP3L and IP3R tips, an autoclavable metal support and an universal autoclavable wrench.

**Endo One**

**Endo One kit**  
F00732  
Delivered with CAP1, CAP2, CAP3, ET25, ETPR tips, 1 blister of 4 Irri-Safe™ 25-21mm, an autoclavable metal support and an autoclavable universal wrench.
**Endo Success™ Retreatment kit**  
Delivered with ET18D, ET20, ET25, ET25S, ETBD, ETPR tips, an autoclavable metal support and an autoclavable universal wrench.

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**Endo Success™ Canal Access Prep kit**  
Delivered with CAP1, CAP2, CAP3 tips, an autoclavable metal support and an autoclavable universal wrench.

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**Kit Endo Success™ Apical Surgery**  
Livré avec les inserts AS3D, AS6D, AS9D, ASLD et ASRD, un support métallique autoclavable et une clé universelle autoclavable.

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**Intro-kit Ellipson**  
Delivered with 1 “Ellipson Tip” and 15 “Ellipson Post”.  
*Discontinued, available until stock runs out*

---

**10 “Ellipson Post” box**  
*Discontinued, available until stock runs out*
PerfectMargin® Rounded kit

Delivered with PM1, PM2, PM3, PM4 tips, an autoclavable metal support and an autoclavable universal wrench.

PerfectMargin® Shoulder kit

Delivered with PMS1, PMS2, PMS3, PM4 tips, an autoclavable metal support and an autoclavable universal wrench.

PerfectMargin® Veneers kit

Delivered with PMV1, PMV2, PMV3, PMV4, PMV5, PMV6 tips, an autoclavable metal support and an autoclavable universal wrench.
**WRENCHES**

**Color dynamometric wrench**

- Green: F81320
- Yellow: F81321
- Blue: F81322
- Orange: F81323

**IMPORTANT**

*The yellow dynamometric wrench (Ref. F81321) is used with surgical endodontics tips: AS3D, AS6D, AS9D, ASLD, ASRD, S12-70D, P14D, P15LD & P15RD. For other tips with yellow ring, the universal wrench (Ref. F00406) is recommended.*

**Autoclavable universal wrench**

- F00406

**Protec-Tip**

- F81281
**ULTRASONICS**

**Boxes and supports**

---

**BOXES**

- **Autoclavable plastic box**
  -  + 4 color dynamometric wrenches
  - **F12352**

- **Autoclavable plastic box**
  -  for color dynamometric wrenches
  - **F12351**

---

**SUPPORTS**

- **Newtron® kit support**
  - **X88451**

- **Endo Success™ kit support**
  - **F88447**

- **Excavus® kit support**
  - **F88449**
RANGE IV = NEWTRON® BOOSTER, NEWTRON® P5, NEWTRON® P5 B.LED, NEWTRON® P5 XS B.LED, NEWTRON® P5 XS B.LED Bluetooth

HANDPIECES

IMPORTANT
Handpieces compatible with all ACTEON® Equipment Dental Tips (with color coded ring).

NEWTRON® handpiece
without LED, autoclavable, light grey/dark grey  F12281
For NEWTRON® BOOSTER

Nose for NEWTRON® handpiece  F12284

NEWTRON® SLIM handpiece
without LED  F12901
For NEWTRON® P5

NEWTRON® SLIM B.LED handpiece
> with blue LED ring  F12900
> with white LED ring  F12905
For NEWTRON® P5 B.LED and NEWTRON P5® XS B.LED (Bluetooth)

NEWTRON® SLIM B.LED blue LED ring  F62201

NEWTRON® SLIM B.LED white LED ring  F12915

Handpiece holder
silicone  E60108

Nose for NEWTRON® SLIM and NEWTRON® SLIM B.LED handpieces  E12904
CORDS

NEWTRON® handpiece cord
non-disconnectable
for NEWTRON® BOOSTER

NEWTRON® SLIM handpiece cord
non-disconnectable
for NEWTRON® P5

NEWTRON® SLIM B.LED handpiece cord
non-disconnectable
For NEWTRON® P5 B.LED and NEWTRON P5® XS B.LED (Bluetooth)

FOOTSWITCHES

Non-disconnectable footswitch
for NEWTRON® BOOSTER

Non-disconnectable footswitch
for NEWTRON® P5, NEWTRON® P5 B.LED
and NEWTRON P5® XS B.LED (Bluetooth)

DENTAL PLAQUE DISCLOSER

F.L.A.G.™ for B.LED dental plaque discloser
5 x 1.5 ml

F.L.A.G.™ for B.LED dental plaque discloser
100 ml

IRRIGATION

Tank 300 ml

Tank 500 ml

iPHONE HOLDER

iPhone 4 holder
For NEWTRON® P5 XS B.LED Bluetooth

iPhone 5 holder
For NEWTRON® P5 XS B.LED Bluetooth
HANDPIECES

IMPORTANT
Handpieces compatible with all ACTEON® Equipment Dental Tips (with color coded ring).

NEWTRON® handpiece
autoclavable, light grey/dark grey
For P5 Newton®, P5 Newton® XS and Prophy Max™

Nose for NEWTRON® handpiece

Newtron® LED handpiece
autoclavable
For P-Max Newtron® XS, P5 Newtron® LED and P5 Newtron® XS LED

Nose for Newtron® LED handpiece

Metal nose for Newtron® LED handpiece

Light ring
for NEWTRON® LED handpiece

FOOTSWITCH

Non-disconnectable footswitch
for P5 Newton®/ P5 Newton® LED/ P5 Newton® XS/ P5 Newtron® XS LED
**CORDS**

- **White handpiece cord** for P5 Newtron®  
  [F00223]

- **White handpiece cord** for P5 Newtron® XS  
  [F00222]

- **LED handpiece cord** for P5 Newtron® LED or P5 Newtron® XS LED  
  [F00637]

- **Disconnectable LED handpiece cord** for P-Max Newtron® XS  
  [F00628]

- **Newtron® handpiece cord** white, with spray adjustment for Prophy Max™  
  [F01176]

**IRRIGATION**

- **Tank** with white cover  
  [F58525]

- **Sterikit** for P5 Newtron® XS  
  [F58136]  
  Delivered with a support, a bracket, a pump cover, 5 clips, a Sterijoint and three sterile universal irrigation lines.

- **Sterikit LED** for P5 Newtron® XS LED  
  [F58225]  
  Delivered with a support, a bracket, a pump cover, 5 clips, a LED Sterijoint and three sterile universal irrigation lines.

- **Sterijoint** Adapter for NEWTRON® handpiece (for Sterikit)  
  [F58703]

- **Sterijoint Newtron® LED** Adapter for Newtron® LED handpiece (for Sterikit LED)  
  [F12640]

- **10 universal irrigation lines kit** sterile, single-use with integrated cassette (for Sterikit and Sterikit LED)  
  [F57370]

- **Pump cassette**  
  [E58543]
**HANDPIECES**

**IMPORTANT**
Handpieces compatible with all ACTEON® Equipment Dental Tips (with color coded ring).

**NEWTRON® handpiece**
autoclavable, grey/blue  
_Discontinued, available until stock runs out_

**Nose for NEWTRON® handpiece**

**CORDS**

**Blue handpiece cord**
for P5 Newtron® or P5 Newtron® XS

**NEWMTRON® handpiece cord**
with zip system and spray adjustment  
For P-Max Newtron® and Prophy Max™ Range II

**Zip system**
For P-Max (Lux) Newtron® and Prophy Max™ (Lux) Range II. _Discontinued, available until stock runs out_

**CART**

**Cart Newtron®**
Color : white  
Two connections for water and electricity.  
Dimensions (DxWxH) : 48 x 40 x 77cm  
3 glass trays : 42 x 36cm
IRRIGATION

Sterijoint Newtron®
Adapter for NEWTRON® handpiece  F58705

Sterijoint Newtron® Lux
Adapter for Newtron® Lux handpiece  F12620
Discontinued, available until stock runs out

10 Newtron® double-lines kit
For P-Max Newtron® (Lux) and Prophy Max™ (Lux)  F59752
Range II

10 Newtron® single-lines kit
For P-Max Newtron® (Lux) and Prophy Max™ (Lux)  F59756
Range II

Kit of 3 hoops for Newtron® cord
F59761

Tank 450 ml Newtron®
For P-Max Newtron® and Prophy Max™ Range II  E59774

Tank cap Newtron®
For P-Max Newtron® and Prophy Max™ Range II  E59775

Irrigation kit
For P-Max Newtron® and Prophy Max™ Range II  F59750

Newtron® bracket  F59764

FOOTSWITCHES

Newtron® single footswitch  F00054

Newtron® double footswitch  F00055
Handpieces compatible with all ACTEON® Equipment

Dental Tips (with color coded ring).

**NEWTRON® handpiece**
autoclavable, light grey/dark grey  
F12281

**Self-adhesive holder**
F00404

**Bulb for light handpiece cord**
+ 2 o’rings  
F00412

**3 gasket o’rings + tool**  
F12304

**CORDS**

**Suprasson handpiece cord**
*Light grey*  
F00195

**Suprasson Lux handpiece cord**
*Light grey*  
F00600

**CART**

**Cart Cocoon**
Color: white  
F24417

Two connections for water and electricity
3 trays: 40 x 30cm
Dimensions (DxWxH): 45 x 40 x 80cm
ULTRASONICS
Range | accessories

IRRIGATION

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>Sterijoint</td>
<td>F58703</td>
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<tr>
<td>Sterijoint Lux</td>
<td>Discontinued, available until stock runs out</td>
<td>F12610</td>
</tr>
<tr>
<td>10 universal irrigation lines kit</td>
<td>sterile, single-use with integrated cassette</td>
<td>F57370</td>
</tr>
<tr>
<td>5 plastic caps kit</td>
<td>for universal irrigation line</td>
<td>F57375</td>
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<tr>
<td>Bracket</td>
<td>X34510</td>
<td></td>
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<tr>
<td>10 stoppers kit</td>
<td>for irrigation bottle</td>
<td>F58790</td>
</tr>
<tr>
<td>Autoclavable irrigation bottle</td>
<td>(glass)</td>
<td>E58795</td>
</tr>
<tr>
<td>Autoclavable irrigation bottle</td>
<td>with grey cap</td>
<td>F58792</td>
</tr>
<tr>
<td>Autoclavable irrigation bottle</td>
<td>with green cap</td>
<td>F58793</td>
</tr>
<tr>
<td>Grey cap</td>
<td>F58794</td>
<td></td>
</tr>
<tr>
<td>Hanger</td>
<td>for irrigation bottle</td>
<td>E58791</td>
</tr>
<tr>
<td>Sterilstatic irrigation kit</td>
<td>Delivered with a pump motor, a holder, three universal irrigation lines, five clips, three hanger for bottle, three rubber stoppers, a bracket and an autoclavable bottle (250ml) with blue cap</td>
<td>F58704</td>
</tr>
</tbody>
</table>

FOOTSWITCHES

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Double footswitch</td>
<td>Discontinued, available until stock runs out</td>
<td>F00041</td>
</tr>
<tr>
<td>Single footswitch</td>
<td>F00045</td>
<td></td>
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MISC.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Water filter 60µ</td>
<td>F10386</td>
<td></td>
</tr>
<tr>
<td>60µ water filter cartridge + o-ring</td>
<td>F10389</td>
<td></td>
</tr>
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</table>
Overview of irrigation lines

Device

- Suprasson P-Max (Lux) RANGE I (1)
- Prophy Max™ (Lux) RANGE I (2)
- P5 Newtron® XS (LED) + Sterikit (3)
- Suni 2nd generation (4)
- Suni Max (5)
- Trans’care Max (6)

- Piezotome® (7)
- Piezotome® 2 (8)
- ImplantCenter™ (9)
- ImplantCenter™ 2 (10)
- Piezotome® Solo (LED) (11)
- I-Surge™ former generation (12)
- I-Surge™ (13)
- EndoCenter (14)

- P-Max Newtron® (Lux) RANGE II (15)
- Prophy Max™ Newtron® (Lux) RANGE II (16)

- Suni 1st generation (17)

- I-Surge™+ (18)
- HT-Implant (19)
<table>
<thead>
<tr>
<th>Corresponding lines</th>
<th>Code Nr.</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F57370</td>
<td>10 universal irrigation lines kit sterile, single-use with integrated cassette</td>
</tr>
<tr>
<td></td>
<td>F57374</td>
<td>1 autoclavable irrigation line + 10 sterile perforators</td>
</tr>
<tr>
<td></td>
<td>E57374</td>
<td>Autoclavable irrigation line</td>
</tr>
<tr>
<td></td>
<td>F57372</td>
<td>10 disposable sterile perforators</td>
</tr>
<tr>
<td></td>
<td>F59752</td>
<td>10 Newtron® double-lines kit</td>
</tr>
<tr>
<td></td>
<td>F59756</td>
<td>10 Newtron® single-lines kit</td>
</tr>
<tr>
<td></td>
<td>F34700</td>
<td>5 Suni irrigation lines kit - old generation -</td>
</tr>
<tr>
<td></td>
<td>F34702</td>
<td>10 Suni irrigation lines kit - old generation -</td>
</tr>
<tr>
<td></td>
<td>F28750</td>
<td>Irrigation lines (x10)</td>
</tr>
</tbody>
</table>
**PROPHY MAX™**
Combined device with ultrasonics and supra-gingival air polisher  
**F11610**
Delivered with a ProphyPen handpiece with 135° titanium nozzle, an autoclavable universal wrench, a bottle of mint powder (250g) and a bottle of lemon powder (250g), an autoclavable Newtron® handpiece and a double footswitch.

**IMPORTANT**
You will find all the information about ultrasonics accessories (tips, handpieces, etc) on pages 70 to 83 and 86-87.

**PROPHY MAX™ WITH AN IRRIGATION KIT**
Combined device with ultrasound and supra-gingival air polisher  
**F11653**
Delivered with a ProphyPen handpiece with 135° titanium nozzle, an autoclavable universal wrench, a bottle of mint powder (250g) and a bottle of lemon powder (250g), an autoclavable Newtron handpiece, a zip handpiece cord with spray adjustment, a double footswitch and an irrigation kit.

**AIR MAX**
Supra-gingival air polisher  
**F11400**
Delivered with a ProphyPen handpiece with 135° titanium nozzle, an autoclavable universal wrench, a bottle of mint powder (250g) and a bottle of lemon powder (250g).
PROPHY MAX™ AND AIR MAX ACCESSORIES

**Blue ProphyPen**
Disconnectable polisher handpiece (bayonet)  
Delivered with a 135° titanium nozzle and an autoclavable universal wrench.  

**White ProphyPen**
Disconnectable polisher handpiece (bayonet)  
Delivered with a 135° titanium nozzle and an autoclavable universal wrench.

**Titanium nozzle 135° Ø 0,6 mm**

**Titanium nozzle 135° Ø 0,7 mm (standard)**

**Probe Ø 0,7 mm**
for nozzle cleaning

**Probe Ø1 mm**
for handpiece body cleaning

**Multifunctions double footswitch**
for Prophy Max™

**2 ProphyPen o-rings + 1 nozzle o’ring kit**

**4 o-rings kit for ProphyPen handpiece cord**
AIR-N-GO® easy
The new generation of dual purpose Air Polisher: SUPRA and PERIO

- AIR-N-GO® easy with KaVo* adapter
- AIR-N-GO® easy with Sirona* adapter
- AIR-N-GO® easy with W&H* adapter
- AIR-N-GO® easy with Bien-Air* adapter
- AIR-N-GO® easy with Midwest* adapter

Delivered with a convertible AIR-N-GO® easy handpiece, a SUPRA nozzle, 1 intro kit of 20g sticks of «CLASSIC» and «PEARL» powders, 1 maintenance kit (replacement o-rings, syringe of silicone grease with brushes, cannula, cleaning drill).

*KaVo, Sirona, W&H, Bien-Air and Midwest are registered trademarks.
AIR-N-GO® EASY ACCESSORIES

AIR-N-GO® EASY PERIO KIT  F10120
Turns your handpiece into a Perio system to treat periodontal disease (tooth & implants) on pockets from 3 to 8 mm. Delivered with a AIR-N-GO® easy nozzle and a bottle of AIR-N-GO® PERIO glycine powder.

AIR-N-GO® SUPRA nozzle  F10125
For all prophylaxis supra-gingival treatments.

AIR-N-GO® PERIO easy nozzle  F10126
Turns your handpiece into a Perio system to treat non surgical periodontal disease (tooth & implants) in pockets from 3 to 8 mm.

AIR-N-GO® PERIO nozzle  F10127
Turns your handpiece into a Perio system to treat non surgical and surgical periodontal disease (tooth & implants) in pockets from 8 to 10 mm.

AIR-N-GO® PERIO Maintenance nozzle  F10128
Turns your handpiece into a system to treat periodontal disease (tooth & implants) in pockets until 4 mm.

AIR-N-GO® easy maintenance kit  F10121
**PROPHYLACTIC POWDERS - BOTTLES**

**AIR-N-GO® «CLASSIC» powder**
4 bottles (250g)
- Peppermint: F10250
- Lemon: F10251
- Raspberry: F10252
- Cola: F10253
- Neutral: F10254

**AIR-N-GO® «PEARL» powder**
4 bottles (250g)

**AIR-N-GO® «PERIO» powder**
3 bottles (160g)

**PROPHYLACTIC POWDER - STICKS**

**AIR-N-GO® «CLASSIC» powder**
50 sticks (20g)
- Peppermint: F10256
- Lemon: F10257
- Raspberry: F10258
- Cola: F10259
- Neutral: F10260

**AIR-N-GO® «PEARL» powder**
50 sticks (20g)
AIR-N-GO® ADAPTERS

KaVo® adapter  
F10240

Sirona® adapter  
F10241

W&H® adapter  
F10242

Bien-Air® adapter  
F10243

Midwest® adapter  
F10245

*KaVo, Sirona, W&H, Bien-Air and Midwest are registered trademarks.
# AIR-N-GO® ACCESSORIES (1st generation)

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Code</th>
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<tbody>
<tr>
<td>120° AIR-N-GO® SUPRA nozzle</td>
<td>F10212</td>
</tr>
<tr>
<td>AIR-N-GO® PERIO nozzle</td>
<td>F10210</td>
</tr>
<tr>
<td>AIR-N-GO® short head (hygienist)</td>
<td>F10218</td>
</tr>
<tr>
<td>AIR-N-GO® long head</td>
<td>F10219</td>
</tr>
<tr>
<td>AIR-N-GO® SUPRA tank</td>
<td>F10213</td>
</tr>
<tr>
<td>AIR-N-GO® PERIO tank</td>
<td>F10216</td>
</tr>
<tr>
<td>AIR-N-GO® tanks holder + 3 blue tanks</td>
<td>F10209</td>
</tr>
<tr>
<td>AIR-N-GO® tanks holder</td>
<td>F10275</td>
</tr>
</tbody>
</table>
AIR POLISHERS
Accessories

Ø0.5 mm AIR-N-GO® SUPRA probe
F10207

Ø1 mm AIR-N-GO® SUPRA probe
F10208

AIR-N-GO® PERIO probe
F10206

AIR-N-GO® o-rings kit
F10205
FUNCTIONS
• I-Surge™: implantology motor
• Piezotome®: bone surgery
• Newtron®: conventional treatments (perio, endo, ...)

IMPLANT CENTER™ 2
Delivered with a LED motor, a LED motor cord, a progressive footswitch, 2 brackets, 2 handpiece holders, 2 sterilizable irrigation lines and 30 perforators.
This reference does not include Piezotome LED handpiece and tips.

WARNING
Some accessories adapted to Piezotome® 2, ImplantCenter™ 2 and Piezotome® Solo are not compatible with the first generation Piezotome® and ImplantCenter™, and vice-versa.

This system is designed exclusively for dental surgery and implant procedures performed at a dental practice. The use of the device in a hospital or clinic operating theatre constitutes a use that is excluded from the device’s regulatory framework. ACTEON® offers operating room certified medical range.
ACCESSORIES FOR IMPLANTCENTER™ 2 WITH LED MOTOR

- I-Surge LED light micro-motor
  - F27210
- Disconnectable I-Surge LED micro-motor cord
  - F27211
- 20:1 Bien-Air* LED contra-angle (green ring)
  - F36132

ACCESSORIES FOR IMPLANTCENTER™ 2 WITH NON LED MOTOR

- I-Surge micro-motor
  - F27123
- Disconnectable I-Surge micro-motor cord
  - F27124
- Disconnectable I-Surge micro-motor cord + micro-motor
  - F34450
- Mont Blanc 20:1 Anthogyr* contra-angle green ring (non LED)
  - F36140
- Rider spray
  - F36141

* Bien-Air and Anthogyr are registered trademarks.
This system is designed exclusively for dental surgery and implant procedures performed at a dental practice. The use of the device in a hospital or clinic operating theatre constitutes a use that is excluded from the device's regulatory framework. ACTEON® offers operating room certified medical range.
**PIEZOTOME SOLO**

**FUNCTIONS**
- Piezotome®: bone surgery

**PIEZOTOME® SOLO**  
Delivered with a footswitch, a bracket, a handpiece holder, a Piezotome® Solo handpiece, an Essential II kit (6 tips), a Piezotome® dynamometric wrench, 2 sterilizable irrigation lines and 15 perforators.

**PIEZOTOME® SOLO LED**  
Delivered with a footswitch, a bracket, a handpiece holder, a Piezotome® Solo LED handpiece, an Essential II kit (6 tips), a Piezotome® dynamometric wrench, 2 sterilizable irrigation lines and 15 perforators.

**FOR FURTHER INFORMATION**

Surgery Catalogue  
D27111

*This system is designed exclusively for dental surgery and implant procedures performed at a dental practice. The use of the device in a hospital or clinic operating theatre constitutes a use that is excluded from the device’s regulatory framework. ACTEON® offers operating room certified medical range.*


**IMPORTANT**
The handpieces are equipped with keyway systems to prevent a Piezotome® (Bone Surgery, Sinus Lift, Extraction, etc.) insert from being screwed onto a Newtron® handpiece or a classic insert (scaling, periodontics, endodontics, etc.) from being screwed onto a Piezotome® handpiece.

- **Piezotome® handpiece + cord**
  - Article: F57321

- **Newtron® handpiece**
  - Article: F12281

- **Newtron® cord**
  - Article: F57305
    - for Piezotome® and ImplantCenter™

- **Newtron® cord**
  - Article: F12850
    - for Piezotome® 2 and ImplantCenter™2

- **Piezotome® LED handpiece + cord**
  - Article: F12815

- **LED ring**
  - Article: F12821
    - for Piezotome® 2 and Piezotome® Solo LED handpieces

- **Newtron® LED handpiece**
  - Article: F12609
    - for Piezotome® 2 and Implant Center™ 2

- **Newtron® LED cord**
  - Article: F12830
    - for Piezotome® 2 and Implant Center™ 2

- **Piezotome® Solo handpiece + cord**
  - Article: F57509

- **Piezotome® Easytorque dynamometric wrench**
  - Article: F57350
**Cart ImplantCenter™**
Dimensions (DxWxH): 66 x 54 x 79 cm
3 glass trays: 60 x 50 cm
connections for water and electricity.

**Piezotome® 2 pack (without tip)**
Delivered with an autoclavable Piezotome® 2 handpiece with cord and a Piezotome® Easytorque dynamometric wrench.

**Sterilization box**

**10 universal irrigation lines**
steriles, single-use

**1 autoclavable irrigation line**
+ 10 sterile perforators

**Autoclavable irrigation line**

**10 disposable sterile perforators**

**Irrigation line clip**

**Piezotome® 2 progressive footswitch**

**Piezotome® Solo and Piezotome® Solo LED footswitch**

**Bracket**
for ImplantCenter™, ImplantCenter™ 2, Piezotome® 2, Piezotome® Solo and Piezotome® Solo LED
**Surgery**
**Osteotomy - osteoplasty**

**Bone Surgery Kit**
BS1, BS2L, BS2R, BS4, BS5, BS6 tips, an autoclavable metal tips holder, an autoclavable universal wrench.

**Bone Surgery Kit II**
BS1S II, BS2L II, BS2R II, BS4 II, BS5 II, BS6 II tips, an autoclavable metal support, an autoclavable universal wrench.

**Bone Surgery Kit Tips Holder**
X88454  X88456

**Saws**
- BS1 - Straight
- BS2L - Left angled
- BS2R - Right angled

**Saw Tips**
- BS1S «Slim» - Depth of cut 9 mm
  F87525
- BS1L «Long» - Depth of cut 15 mm with autoclavable universal wrench
  F87527
- BS1 RD - Rounded saw, 280° of active surface
  F87557

**Scalpels**
- BS4
  F87304  F87504
- BS5
  F87305  F87505
- BS6
  F87306  F87506
**SINUS LIFT (SL) PACK**
Delivered with an autoclavable Piezotome® handpiece with cord, a SL kit and a Easytorque dynamometric wrench.

- SL Pack: F87310
- SL Pack II: F87510

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**Sinus Lift Kit**
SL1, SL2, SL3, SL4, SL5 tips, an autoclavable metal tips holder, an autoclavable universal wrench.

- SL Kit: F87319
- SL Kit II: F87519

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**Sinus Lift kit tips holder**
X88455  X88457

---

**Sinus Lift tips**

- SL1: F87311  F87511
- SL2: F87312  F87512
- SL3: F87313  F87513
- SL4: F87314  F87514
- SL5: F87315  F87515

---

**FOR FURTHER INFORMATION**

Catalogue « SURGERY TIPS - POWER & SECURITY »  
D00611
PACK INTRALIFT™
Delivered with an autoclavable Piezotome® handpiece with cord, an Intralift™ kit, an autoclavable universal wrench.

Intralift™ Pack
F87330

Intralift™ Pack II
F87530

Intralift™ Kit
F87336

Intralift™ Kit II
F87536

Intralift™ kit tips holder
X88458

Intralift™ tips
TKW1 - Conical tip ø1.35mm (pilot drilling)
F87331 F87531

TKW2 - Cylindrical tip ø2.1mm (preliminary drilling)
F87332 F87532

TKW3 - Cylindrical tip ø2.35mm (preliminary drilling)
F87333 F87533

TKW4 - Cylindrical tip ø2.8mm (secondary drilling)
F87334 F87534

TKW5 - Non cutting “trumpet” tip (sinus membrane elevation)
F87335 F87535

TKW6 - Sinus membrane elevation ø4.2 mm
F87538
**EXTRACTION PACK**
Delivered with an autoclavable Piezotome® handpiece with cord, an Extraction kit and a Easytorque dynamometric wrench.

- **Extraction Pack**: F87340
- **Extraction Pack II**: F87540

---

**Extraction Kit**
LC1, LC190°, LC2, LC2L, LC2R, Ninja® tips, an autoclavable metal support, an autoclavable universal wrench.

- **Extraction Kit**: F87346
- **Extraction Kit II**: F87546

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**Extraction kit tips holder**: X88459

---

**Extraction tips**
- LC1: F87307
- LC1 90°: F87341
- LC2: F87342
- LC2L: F87343
- LC2R: F87344

---

**Ninja®**
- F87345
- F87545

---

**FOR FURTHER INFORMATION**
Catalogue « SURGERY TIPS - POWER & SECURITY » D00611
CROWN EXTENSION PACK
(Crown extension)
Delivered with an autoclavable
Piezotome® handpiece with cord, a
Crown extension kit and an
Easytorque dynamometric wrench.

Crown Extension Pack
F87350
Crown Extension Pack II
F87550

Crown Extension Kit
CE1, CE2, CE3, BS6 tips, an
autoclavable metal tips holder, an
autoclavable universal wrench

CE Kit
F87354
CE Kit II
F87554

Crown Extension Kit tips holder
X88460

Crown Extension tips
CE1 - Diamond-coated spherical tip
ø1.75mm
F87351
F87551
CE2 - Diamond-coated spherical tip
ø1.20mm
F87352
F87552
CE3 - Diamond-coated straight tip on
5mm (laser mark placed at 3mm:
biologic width)
F87353
F87553

BS6
F87306
F87506
**CREST SPLITTING PACK**
Delivered with an autoclavable Piezotome® LED handpiece with cord, a Crest Splitting kit and a Easytorque dynamometric wrench.

**Crest Splitting Pack II**

**Crest Splitting Kit**
CS1 II, CS2 II, CS3 II, CS4 II, CS5 II, CS6 II tips, an autoclavable metal support, an autoclavable universal wrench.

**CS Kit II**

**Crest Splitting kit support**

**CS Kit II**

**Crest Splitting tips**
CS1
CS2
CS3
CS4

**CS Kit II**

**Crest Splitting tips**
CS5
CS6

**FOR FURTHER INFORMATION**
Catalogue « SURGERY TIPS - POWER & SECURITY »

**D00611**
**NEW**

**PIEZOCISION™ PACK**
Delivered with an autoclavable Piezotome® LED handpiece with cord, a Piezocision™ kit and a universal wrench.

**Piezocision™ Kit**
Delivered with PZ1, PZ2L, PZ3R, PZ3 tips, an autoclavable metal support and an universal wrench.

**Piezocision™ tips kit holder**

**Piezocision™ tips**
- **PZ1** - Anterior corticotomies.
- **PZ2L** (left oriented)
  Lateral corticotomies on patient’s right vestibular arch.
  *To be used with pendulum motion*

- **PZ2R** (right oriented)
  Lateral corticotomies on patient’s left vestibular arch.
  *To be used with pendulum motion*

- **PZ3** - Anterior corticotomies for root proximity concerns.
ESSENTIAL PACK
Delivered with an autoclavable Piezotome® II handpiece with cord, an Essential kit and a Easytorque dynamometric wrench.

Essential Kit
BS1S II, BS4 II, LC2 II, SL1 II, SL2 II, SL3 II tips, an autoclavable metal tips holder, an autoclavable universal wrench.

NEWTRON® PERIO PACK
Delivered with an autoclavable Newtron handpiece, an autoclavable Newtron cord, a Newtron Perio kit and a Easytorque dynamometric wrench.

NEWTRON® RETRO PACK
Delivered with an autoclavable Newtron® handpiece, an autoclavable Newtron® cord, a Newtron® Retro kit with S12-70D, AS6D, ASLD, ASRD tips and a Easytorque dynamometric wrench.

NEWTRON PACK (without tip)
Delivered with an autoclavable Newtron® handpiece, an autoclavable Newtron® cord and a Easytorque dynamometric wrench.

NEWTRON PACK 2 (without tip)
Delivered with an autoclavable Newtron® LED handpiece, an autoclavable Newtron® LED Piezotome® 2 cord and a Easytorque dynamometric wrench.
**IMPORTANT**

Newtron® kits are compatible with Newtron® and Newtron® LED handpieces.

### Newtron® Perio Kit

H1, H2L, H2R, H3, H4L, H4R tips, an autoclavable metal tips holder, an autoclavable universal wrench.

![Newtron® Perio Kit](image)

### Implant Protect Kit

Delivered with IP1, IP2L, IP2R, IP3L and IP3R tips, an autoclavable metal tips holder and an universal autoclavable wrench.

![Implant Protect Kit](image)

### Newtron® Micro-Retro Kit

P14D, P15LD, P15RD tips, an autoclavable metal tips holder, an autoclavable universal wrench.

![Newtron® Micro-Retro Kit](image)

### Newtron® Retro Kit

S12-70D, AS6D, ASLD, ASRD tips, an autoclavable metal tips holder, an autoclavable universal wrench.

![Newtron® Retro Kit](image)

### Newtron® tips kit holder

![Newtron® tips kit holder](image)

Single Perio tips: pages 72 and 73.
Single Retro and Micro-Retro: pages 74 and 75.
I-SURGETM ACCESSORIES

Non-autoclavable “Implant” micromotor for I-SURGETM F28971

Autoclavable “Implant Ster” micromotor for I-SURGETM F28970

Mont Blanc 20:1 Anthogyr® contra-angle green ring (non LED) F36140

Spray rider for Anthogyr® Mont Blanc 20:1 contra-angle F36141

Footswitch for I-SURGETM non-autoclavable micromotor F28965

I-SURGETM Multifunction footswitch F28966

10 universal irrigation lines sterile, single-use with integrated cassette F57370

1 autoclavable irrigation line + 10 sterile perforators F57374

Autoclavable irrigation line E57374

10 disposable sterile perforators F57372

Irrigation line clip E57353

*Anthogyr is a registered trademark.
I-SURGE™ power supply  
F28955

Bracket  
F28967

Micromotor holder  
white silicone  
F02463

I-SURGE™+ (former generation)  
and HT-IMPLANT ACCESSORIES

HT-Implant motor and cord  
Discontinued, available until stock runs out  
F28702

I-Surge+ footswitch  
F28966

HT-Implant footswitch  
F28965

Irrigation lines (x10)  
F28750
SUNI MOTOR ACCESSORIES

5 Suni irrigation lines kit  
F34700

10 Suni irrigation lines kit  
F34702

MISCELLANEOUS MOTORS ACCESSORIES

Pack of IML micro-motor o’rings  
F29100

Box micro-motor carbon brushes (x2)  
Discontinued, available until stock runs out  
F29101

IML motor lamp  
Discontinued, available until stock runs out  
F29204
**SERVOTOME**

**SERVOTOME® II**  
High frequency electrosurgery unit  

F57210

Delivered with a single footswitch, a box with 10 electrodes, a conductive bracelet.

**ACCESSORIES**

- **Conductive bracelet**  
  F57226

- **Electrode holder**  
  F00476

- **Electrode holder cord (2 m)**  
  F00475

- **Servotome® II capacitive coupler**  
  F00485

- **ST3055/Servotome®/ Trans’Care capacitive coupler**  
  F00461

  *Discontinued, available until stock runs out*

- **Servotome® II footswitch**  
  F00059

- **Servotome® Classic footswitch**  
  F00039
10 electrodes kit

10 electrodes + 1 electrode holder kit

I 22 S

I 22 CA

TR 22 L

TR 22 R

TR 22 T

FC 25 B

FC 32 B

FC 10 N

I 40 S

I 40 CA

F10440

F10472

F10421

F10422

F10424

F10425

F10427

F10428

F10429

F10430

F10431

F10432
ROTARY INSTRUMENTATION
Reliable rotary instruments for lasting patient safety.

- 4 contra-angles
- 1 straight handpiece
- 2 Micromotors
- 4 Turbines
U.N.I Turbines

**Power**

- U.N.I TB turbine
  - F28122

- U.N.I TB LED turbine
  - F28120

- U.N.I TB.S turbine
  - F28123

- U.N.I TB.S LED turbine
  - F28121

**Accessibility**

- U.N.I Fix coupling
  - F28124

- Multiflex coupling
  - F28125
U.N.I Handpieces

- U.N.I CA 1:1 contra-angle
  - F28203
- U.N.I CA 1:5 contra-angle
  - F28204
- U.N.I CA 1:1 LED contra-angle
  - F28200
- U.N.I CA 1:5 LED contra-angle
  - F28201
- U.N.I HP 1:1 straight handpiece
  - F28202
### U.N.I Motors

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>U.N.I MT motor (brush)</td>
<td>F28400</td>
</tr>
<tr>
<td>U.N.I MT.BL motor (brushless)</td>
<td>F28401</td>
</tr>
<tr>
<td>U.N.I MT cord</td>
<td>F28207</td>
</tr>
<tr>
<td>U.N.I MT.BL cord</td>
<td>F28126</td>
</tr>
</tbody>
</table>
STERILIZATION
**Class B steam autoclave**

- Shorter cycles.
- Sterilizes all load types.
- Anti-condensation effect.
- Fractionated vacuum drying.
- User-friendly and intuitive touch screen.
- Automatic door closing/opening.

**QUAZ® 5.17**
Chamber volume: 17L

Delivered with 5 sterilization trays, a inox tray remover, an inox support 5 trays, a tube for filling distilled water, a tube for emptying waste water and SD memory card.

**QUAZ® 6.17** *(Discontinued, available until stock runs out)*
Distilled water quality sensor. Chamber volume: 17L

Delivered with 5 sterilization trays, a inox tray remover, an inox support 5 trays, a tube for filling distilled water, a tube for emptying waste water and SD memory card.

External dimensions:
460 mm (W) x 570 mm (D) x 425 mm (H)
QUAZ® DEM

Quaz® Dem 5.30
Demineralizer with distilled water quality sensor
compatible with Quaz® 5.17 and 5.24  
F03931

Quaz® Dem 6.30
Demineralizer
compatible with Quaz® 6.17 and 6.24  
F03932

Filter cartridge 30”
for Quaz® Dem 5.30 and 6.30  
F03933

Filter cartridge 20”
for Quaz® Dem 5.20 and 6.20  
F03914

Filter cartridge 10”
for Quaz® Dem 5.10 and 6.10  
F03919

QUAZ® SEALER

Quaz® sealer
Thermo-sealer  
F03930

Seal test
(x100)  
F03937

Roll support 400mm  
F03938

Roll support 600 mm  
F03939
## ACCESSORIES QUAZ®

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaz Print Barcode printer (on labels)</td>
<td>F03927</td>
</tr>
<tr>
<td>2 stickers rolls + 2 ribbons for barcode printer</td>
<td>F03928</td>
</tr>
<tr>
<td>Printer “Quaz printer” 230V Discontinued, available until stock runs out</td>
<td>F03909</td>
</tr>
<tr>
<td>Sterilization box</td>
<td>F03912</td>
</tr>
<tr>
<td>Tube for automatic filling</td>
<td>F03910</td>
</tr>
<tr>
<td>Tube for automatic emptying</td>
<td>F03911</td>
</tr>
<tr>
<td>Bacteriological filter</td>
<td>F03904</td>
</tr>
</tbody>
</table>
ACCESSORIES VELA 170

Vela 170 carrier for sterilization bags

Filling vacuum + male connector/Vela 170 tube
POLYMERIZATION
Curing lights
Wavelength: 420 - 480 nm

**MINILED SUPERCHARGED**

Mini LED™ SuperCharged

Delivered with a handpiece, a battery, a battery charger, a power supply with plugs, a Ø7.5mm opalescent light guide and light shield.

ACCESSORIES

Mini LED™ SuperCharged handpiece

Charger

Titanium battery

Universal power supply

Oval light shield

Opalescent light guide Ø7.5mm

Opalescent light guide Ø5.5 mm

5 autoclavable caps Ø7.5 mm

5 autoclavable caps Ø5.5 mm

2x5 autoclavable caps Ø5.5mm and Ø7.5mm
POLYMERIZATION
Curing lights

Li-Ion battery
Handpieces: anodized aluminium

MINILED
ORTHO 2

Mini LED™ Ortho 2

Delivered with a handpiece, a Ø5.5mm opalescent guide, a power supply with plugs, a battery, a battery charger and an oval light shield.

ACCESSORIES

Mini LED™ Ortho 2 handpiece

Charger

Titanium battery

Universal power supply

Oval light shield

Opalescent light guide Ø7.5mm

Opalescent light guide Ø5.5 mm

5 autoclavable caps Ø7.5 mm

5 autoclavable caps Ø5.5 mm

2x5 autoclavable caps Ø5.5mm and Ø7.5mm
Mini LED™ Standard

Delivered with a Mini LED handpiece, a battery, a battery charger, a power supply cord with european plug, a Ø7.5mm opalescent guide and an oval light shield.

Wavelength: 420 - 480 nm
Li-Ion battery
Handpiece: anodized aluminium

ACCESSORIES

Mini LED™ handpiece

Mini LED™ charger

Mini LED™ titanium battery

Mini LED™ European power supply

Mini LED™ oval light shield

Opalescent light guide Ø7.5mm

Opalescent light guide Ø5.5mm

5 autoclavable caps Ø7.5 mm

5 autoclavable caps Ø5.5 mm

2x5 autoclavable caps Ø5.5mm and Ø7.5mm
### For Mini LED™ SuperCharged, Mini LED™ Ortho 2 and Mini LED™ AutoFocus 2

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charger</td>
<td>F02917</td>
</tr>
<tr>
<td>Titanium battery</td>
<td>F05211</td>
</tr>
<tr>
<td>Universal power supply</td>
<td>F05216</td>
</tr>
<tr>
<td>Oval light shield</td>
<td>F05407</td>
</tr>
</tbody>
</table>

### For Mini LED™, Mini LED™ SuperCharged, Mini LED™ Ortho 2

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opalescent light guide Ø7.5mm</td>
<td>F02648</td>
</tr>
<tr>
<td>Opalescent light guide Ø5.5 mm</td>
<td>F02652</td>
</tr>
</tbody>
</table>

### For Mini LED™ AutoFocus 2

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opalescent light guide Ø7.5mm</td>
<td>F02647</td>
</tr>
<tr>
<td>Opalescent light guide Ø5.5 mm</td>
<td>F02653</td>
</tr>
</tbody>
</table>

### For all Mini LEDs

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 autoclavable caps Ø7.5 mm</td>
<td>F61507</td>
</tr>
<tr>
<td>5 autoclavable caps Ø5.5 mm</td>
<td>F61505</td>
</tr>
<tr>
<td>2x5 autoclavable caps Ø5.5mm and Ø7.5mm</td>
<td>F61515</td>
</tr>
<tr>
<td>Product</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td><strong>For Mini LED™ AutoFocus</strong></td>
<td>Power supply</td>
</tr>
<tr>
<td></td>
<td>Opalescent light guide Ø7.5mm</td>
</tr>
<tr>
<td></td>
<td>Battery</td>
</tr>
<tr>
<td></td>
<td>5 autoclavable caps Ø7.5 mm</td>
</tr>
<tr>
<td><strong>For Mini LED™ Advantage</strong></td>
<td>CEE power supply</td>
</tr>
<tr>
<td></td>
<td>Discontinued, available until stock runs out</td>
</tr>
</tbody>
</table>
MISCELLANEOUS
Softly
Pre-measured capsules amalgamator

SOFTLY

Dimensions:
210 x 205 x 120mm (D x W x P)
Weight: 3.1kg

230V
COCOON HYGIENIST LED ACCESSORIES

- Light motor
  - F28600

- Medium grey cord
  - for light and IS motors
  - F33711

- IS/IML light grey silicone straight cord
  - without spray adjustment
  - F33514
  - For non LED Cocoon Hygienist (former range)
  - Discontinued, available until stock runs out

TRANS’CARE ACCESSORIES

- Light motor
  - F28600

- Light motor black coiled cord
  - F33713
<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDO micromotor</td>
<td>F28920</td>
</tr>
<tr>
<td>ENDOCENTER multifunction footswitch</td>
<td>F28951</td>
</tr>
<tr>
<td>ENDODUAL single footswitch</td>
<td>F28911</td>
</tr>
<tr>
<td>10 universal irrigation lines</td>
<td></td>
</tr>
<tr>
<td>sterile, single-use with integrated cassette</td>
<td>F57370</td>
</tr>
<tr>
<td>1 autoclavable irrigation line</td>
<td></td>
</tr>
<tr>
<td>+ 10 sterile perforators</td>
<td>F57374</td>
</tr>
<tr>
<td>10 disposable sterile perforators</td>
<td>F57372</td>
</tr>
<tr>
<td>ENDODUAL power supply</td>
<td>F28915</td>
</tr>
<tr>
<td>ENDOCENTER power supply</td>
<td>F28955</td>
</tr>
<tr>
<td>ENDOCENTER bracket</td>
<td>F28967</td>
</tr>
<tr>
<td>Handpiece holder silicone</td>
<td>E60108</td>
</tr>
</tbody>
</table>
I-ENDO DUAL ACCESSORIES (former range)

I-Endo Dual motor + cord  
*F28850*

I-Endo Dual footswitch  
*F28911*
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PROSTHESIS & AESTHETICS
INDICATIONS
- Conventional or optical impression
- Sealing/bonding
- Preparation for Class II and V restorations
- Implantology

PROPERTIES
Double action
Sulcular opening
Secondary haemostasis by mechanical action

More effective
Pressure is 1.7 to 9.2 times greater than other retraction compounds available on the market. “2012 March”. The paste opens and dries the sulcus. A high precision conventional or optical impression is obtained.

Better tolerated
Expasyl™, during placement, generates a pressure 37 times less than that of a cord “2012 June”. The epithelial attachment is preserved. The risk of gingival recession and bone resorption are reduced. The patient doesn’t suffer.

- 5 to 8 applications/capsule (1g)
- Single or multiple preparation
- Access to the anterior and posterior areas

COMPOSITION
- Aluminium chloride (≈ 15%)
- Kaolin
- Excipients
**MINIKIT**
6 capsules + 12 straight cannulas + 1 applicator  
294 100

**1 MANUAL APPLICATOR**  
260 900

**20 CAPSULES STRAWBERRY FLAVOUR**  
261 001

**20 CAPSULES**  
261 030

**40 BENT CANNULAS**  
261 045

**100 BENT CANNULAS**  
261 015

**40 STRAIGHT CANNULAS**  
261 040

**100 STRAIGHT CANNULAS**  
261 005

Medical device class I
Algina spray

Preserving impressions

**INDICATION**
Preserving impressions in alginate and/or hydrocolloid.

**PROPERTIES**
Algina Spray allows:
- A delayed plaster moulding:
  - Preserves impression up to 3 days
  - Delays drying
  - Avoids size distortion
- The manufacturing of 1 plaster model + 1 copy

**COMPOSITION**
Polyethylene glycol, Propylene glycol, Water, corrosion inhibitors and sulphating of plaster, preserving agent and disinfectant, inert propulsive gas: Nitrogen.

**ALGINA SPRAY (200 ml)**
1 x 200ml pressurized bottle + 100 plastic bags.

---

Chromalg’x™

Dental alginate impression material

**INDICATION**
Dental alginate impressions.

**PROPERTIES**
Chromatic alginate: its color changes according to the progression of setting.
Blue color, raspberry flavour.

**COMPOSITION**
Alginate salts, Mineral charge, Colouring agents and Food flavourings.

**CHROMALG´X**
1 box containing 2 x 500g bags, powder and water measuring spoons.

**CHROMALG´X ECO**
1 box containing 12 x 500g bags, powder and water measuring spoons.

**CHROMALG´X CLINIC**
24 x 500g bags, powder and water measuring spoons.

Medical device class I
**Orthofast™**

Orthofast™ is a dental impression material based on alginate. It is ideal for orthodontics with a very short setting time of 1 min 40 s to 2 min. Its orange colour and apricot flavour make it easy to handle. It complies with Standard ISO 1563:1990: Alginate based impression material.

**Composition**
- Alginate salts
- Mineral charge
- Colouring agents
- Food flavourings

**Types**
- **ORTHOFAST** 263 621
  - 1 box containing 2 x 500g bags, powder and water measuring spoon

- **ORTHOFAST ECO** 263 622
  - 1 box containing 12 x 500g bags, powder and water measuring spoon

- **ORTHOFAST CLINIC** 263 623
  - 24 x 500g bags, powder and water measuring spoons

**Medical device class I**

---

**Pralg’x™**

Pralg’x™ is another alginate-based dental impression material. It offers high resistance and a setting time of 2 min 10 s to 2 min 30 s. Its green colour and mint flavour make it suitable for dental impressions. It complies with Standard ISO 1563:1990: Alginate based impression material.

**Composition**
- Alginate salts
- Mineral charge
- Colouring agents
- Food flavourings

**Types**
- **PRALG´X** 263 614
  - 1 box containing 2 x 500g bags, powder and water measuring spoon

- **PRALG´X ECO** 263 615
  - 1 box containing 12 x 500g bags, powder and water measuring spoon

- **PRALG´X CLINIC** 263 616
  - 24 x 500g bags, powder and water measuring spoons

**Medical device class I**
**Kite Surf Putty Soft**

Addition silicone for precision impressions

**INDICATION**
Double mix impression (1 step), wash technique impression (2 steps) or triple viscosity impression.

**PROPERTIES**
- Hydrocompatible
- High viscosity
- Time management (snap-set effect)
- Bright, contrasting colors
- Bubble gum flavour

**COMPOSITION**
Polyvinylsiloxane, silica, excipients.

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KITE SURF PUTTY SOFT Normal setting</td>
<td>281 100</td>
</tr>
<tr>
<td>KITE SURF PUTTY SOFT Fast setting</td>
<td>281 300</td>
</tr>
<tr>
<td>1x300ml jar of base, 1x300ml jar of catalyst, 2 spoons</td>
<td></td>
</tr>
</tbody>
</table>

Medical device class I

---

**Kite Surf Putty Soft XL**

Addition silicone for precision impressions

**INDICATION**
Double mix impression (1 step), wash technique impression (2 steps) or triple viscosity impression.

**PROPERTIES**
- Hydrocompatible
- High viscosity
- Time management (snap-set effect)
- Bright, contrasting colors
- Bubble gum flavour
- Cartridges compatible with all automatic mixing machines.

**COMPOSITION**
Polyvinylsiloxane, silica, excipients.

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KITE SURF PUTTY SOFT XL Ultra Fast setting</td>
<td>270 004</td>
</tr>
<tr>
<td>KITE SURF PUTTY SOFT XL Normal setting</td>
<td>270 012</td>
</tr>
<tr>
<td>2 x 380ml XL cartridges (base and catalyst), 20 mixing tips and 2 locking rings</td>
<td></td>
</tr>
<tr>
<td>KITE SURF XL MIXING TIPS x 50</td>
<td>270 030</td>
</tr>
<tr>
<td>KITE SURF LOCKING RINGS x 2</td>
<td>270 011</td>
</tr>
<tr>
<td>KITE SURF MACHINE (automatic mixer)</td>
<td>270 010</td>
</tr>
</tbody>
</table>

Medical device class I
**Kite Surf Heavy XL**

Addition silicone for precision impressions

**INDICATION**
Double mix impression (1 step), wash technique impression (2 steps) or triple viscosity impression.

**PROPERTIES**
High viscosity, fast setting.

**COMPOSITION**
Polyvinylsiloxane, silica, catalyst, excipients.

**KITE SURF HEAVY XL Fast setting**
2 x 380ml XL cartridges (base and catalyst), 20 mixing tips and 2 locking rings

**KITE SURF XL MIXING TIPS x 50**

**KITE SURF LOCKING RINGS x 2**

**KITE SURF MACHINE (automatic mixer)**

Medical device class I

**Kite Surf Monophase XL**

Addition silicone for precision impressions

**INDICATION**
Single-phase precision impression with a single material for individual impression trays.

**PROPERTIES**
Intermediate viscosity, normal setting.

**COMPOSITION**
Polyvinylsiloxane.

**KITE SURF MONOPHASE XL Normal setting**
2 x 380ml XL cartridges (base and catalyst), 20 mixing tips and 2 locking rings

**KITE SURF XL MIXING TIPS x 50**

**KITE SURF LOCKING RINGS x 2**

**KITE SURF MACHINE (automatic mixer)**

Medical device class I
**Kite Surf Regular**

Addition silicone for precision impressions

**INDICATION**
Corrective impression: in the dual mixture technique (suitable for injection).
Single-phase impression: with individual impression carrier.
Triple viscosity impression.

**PROPERTIES**
Intermediate viscosity, normal setting.
Complies with ISO 4823 standards “Dental practice - Elastomeric impression materials”.

**COMPOSITION**
Polyvinylsiloxane, silica, catalyst, excipients.

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KITE SURF REGULAR Normal setting</td>
<td>281 380</td>
</tr>
<tr>
<td>2 x 50ml cartridges (base and catalyst) and 48 mixing tips</td>
<td></td>
</tr>
<tr>
<td>KITE SURF REGULAR MIXING TIPS x 48</td>
<td>281 385</td>
</tr>
<tr>
<td>KITE SURF REGULAR ORAL TIPS x 96</td>
<td>281 390</td>
</tr>
<tr>
<td>KITE SURF APPLICATOR</td>
<td>281 155</td>
</tr>
</tbody>
</table>

Medical device class I

**Kite Surf Basic Light (low consistency)**

Addition silicone for high precision impressions

**INDICATION**
Double mix impression (1 step), wash technique impression (2 steps) or triple viscosity impression.

**PROPERTIES**
- High hydrophily
- Low consistency
- Time management (snap-set effect)
- Bright, contrasting colors
- Bubble gum flavour

**COMPOSITION**
Polyvinylsiloxane, silica, catalyst, excipients.

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KITE SURF BASIC LIGHT Normal setting</td>
<td>281 375</td>
</tr>
<tr>
<td>KITE SURF BASIC LIGHT Fast setting</td>
<td>281 370</td>
</tr>
<tr>
<td>2 x 50ml cartridges (base and catalyst) and 48 mixing tips</td>
<td></td>
</tr>
<tr>
<td>KITE SURF LIGHT MIXING TIPS x 48</td>
<td>281 355</td>
</tr>
<tr>
<td>KITE SURF LIGHT ORAL TIPS x 96</td>
<td>281 365</td>
</tr>
<tr>
<td>KITE SURF APPLICATOR</td>
<td>281 155</td>
</tr>
</tbody>
</table>

Medical device class I
**KiteSurf Light** (ultra low consistency)

Addition silicone for high precision impressions

**INDICATION**
Double mix impression (1 step), wash technique impression (2 steps) or triple viscosity impression.

**PROPERTIES**
- High hydrophilcy
- Ultra low consistency
- Time management (snap-set effect)
- Bright, contrasting colors
- Bubble gum flavour

**COMPOSITION**
Polyvinylsiloxane, silica, catalyst, excipients.

**KITE SURF LIGHT Normal setting** 281 150
**KITE SURF LIGHT Fast setting** 281 350
2 x 50ml cartridges (base and catalyst) and 48 mixing tips

**KITE SURF LIGHT MIXING TIPS x 48** 281 355
**KITE SURF LIGHT ORAL TIPS x 96** 281 365
**KITE SURF APPLICATOR** 281 155

Medical device class I

---

**KiteSurf Occlusion**

Bite registration material

**PROPERTIES**
- Colour: yellow
- Fast setting
- High viscosity
- Easy to use (good thixotropy - easily removed)
- High final hardness (easily modelled with a drill)
- High dimensional stability

**COMPOSITION**
Polyvinylsiloxane, silica, excipients

**KITE SURF OCCLUSION** 281 175
2 x 50ml cartridges (base and catalyst), 12 mixing tips and 12 intraoral tips

**KITE SURF APPLICATOR** 281 155

Medical device class I
**Rebasage**

Flexible relining material

**INDICATION**
Soft and permanent relining of full and partial prosthesis to:
- Treat areas of excess pressure
- Improve adhesion in the case of flabby ridges
- Help healing after implantation or extraction

**PROPERTIES**
KITE SURF™ Rebasage is a pale pink silicone by addition, allowing a soft and permanent relining. It is suitable for all types of resin-based (PMMA) prosthesis. Lastly, it is an autopolymerizing material, available in cartridges (automatic mixing), cold-hardening and guaranteeing a fast and easy work, using the directly in mouth soft rebasing technique.
Kite Surf Rebasage Adhésif allows a solid adhesion between the prosthesis and the relining.
Kite Surf Rebasage Vernis is used for surface finish.

**COMPOSITION**
Silicone: polydimethylsiloxane, silica, excipients.
Adhesive: ethyl acetate, modified polyacrylate.
Varnish: polydimethylsiloxane, silica, excipients.

---

KITE SURF REBASAGE 281 417
1x 50ml cartridge of rebasing silicone (base and catalyst), 12 mixing tips

KITE SURF REBASAGE ADHÉSIF 281 415
1x 5ml bottle

KITE SURF REBASAGE VERNIS 281 416
2x 10ml (20ml) bottles of varnish (base and catalyst) for surface finishing

KITE SURF APPLICATOR 281 155

Medical device class I
**Kite Surf Spot**

Indicator of overpressure/compression areas

**INDICATION**
Allows to show the compression areas of mucous membranes under (new or old) total and partial prosthesis and the overpressure areas in too tight bridges and crowns.

**PROPERTIES**
Low-viscosity condensation curing silicone.

Owing to its specially designed color, contrasting with the one of the prosthesis, the legibility is reliable and accurate. Kite Surf™ Spot is suitable for all the resin-based prosthesis.

**COMPOSITION**

**KITE SURF SPOT**
1 x 140ml tube of base, 1 x 20ml tube of catalyst, 1 pen

Medical device class I

---

**Kite Surf Adhésif**

Adhesive for silicone-based impression material

**INDICATION**
Adhesive for silicone-based impression material.

**COMPOSITION**
Xylene, toluene, polysiloxane resin.

**PROPERTIES**
Guarantees perfect adhesion between addition or condensation silicone-based impression materials and slightly or non-retentive impression trays (plastic or resin).

**KITE SURF ADHESIF**
10ml bottle with a brush-stopper

Medical device class I
Desensitization in case of dentinal hyperesthesia

**PROPERTIES**

- Single component
- TILZEN One makes it possible to seal the dentinal surface through a chemical reaction with dentine. A precipitate forms which blocks the dentinal tubules, preventing the propagation of thermal, chemical and mechanical stimuli. The action of TILZEN One is immediate and long-lasting (approximately 6 months).

**COMPOSITION**

Liquid: Methacrylate and styrene-based copolymer, Oxalic acid derivative, Excipients.

---

**TILZEN ONE**

1 bottle of liquid (5ml), 1 pack of 100 felt applicators, 1 felt holder, 20 plastic application palettes.

Medical device class IIa (LNE-GMED)
Glass fiber root canal posts and drills

**INDICATION**
Posts for dental reconstruction, particularly for teeth with little or no remaining crown tissue.
- Size 0: lower incisors (refill only)
- Size 1: upper and lower incisors, first upper premolars
- Size 2 and 3: upper incisors, canines, premolars, molars

**PROPERTIES**
- Made of translucent glass fiber (type «S»)
- Conical-cylindrical design respecting the shape of the root canal
- Highly resistant: modulus of elasticity similar to dentin
- Retentive surface: highly adhesion with cements
- Radiopaque
- Biocompatible
- Single use [posts]
- Easy to identify thanks to its coloured (blue) central axis
- Easy to remove, if clinically required, thanks to its specific structure to guide the instrument

**COMPOSITION**
- Post: composite reinforced with «S» type glass fiber (≈ 60%) in an epoxy resin matrix
- Drill: stainless steel

**QUICK’N POST**
Kit: 15 posts (5 size 1; 5 size 2; 5 size 3) + 3 drills

**REFILL**
- Posts Size 0 x 10
- Posts Size 1 x 10
- Posts Size 2 x 10
- Posts Size 3 x 10
- Drill Size 0 x 1
- Drill Size 1 x 1
- Drill Size 2 x 1
- Drill Size 3 x 1

Medical device class Ila (LNE-GMED)
Preparation of temporary crowns and bridges

INDICATION
Preparation of temporary crowns and bridges specially designed for temporary long-life prostheses. Ensures the stump is protected from any external aggression.

PROPERTIES
Acrylic resin with two components, autopolymerisable, automatic mixing (ratio 4:1), high colour stability, very little retraction on polymerisation, limited exothermal reaction: no pulpal aggression, excellent fitting, optimal polishing, good compatibility, repairable.

COMPOSITION
Matrix of EBPADMA resins, baryum glass, silicon dioxide, excipients. Total volume of inorganic fillers: 26%. Inorganic fillers particles size: 0.02 - 2.5µm.

COOLSIN
1 double cartridge of 50ml containing the base and catalyst, for application with a gun; 15 single-use mixing tips

MIXING TIPS COOLSIN x 45

Medical device class IIa (LNE-GMED)
CAV-HYCAL™

Light curing calcium hydroxide cavity liner

**PROPERTIES**
- Monophase.
- Radiopaque.
- Setting time (under halogen lamp): ≤ 20s.
- Depth of polymerization (EN 24 049) : 4 – 6 mm
- Compressive strength: 111 - 135MPa.
- Diametral tensile strength: 29 - 44MPa.
- pH (after 2h in aqueous solution): 11 - 11.5.
- Insoluble after polymerization.
- No resorption after polymerization.

**COMPOSITION**
Calcium hydroxide (4.6%), Butylhydroxytoluene, Methacrylate resins, Catalyst, Excipients.

CAV-HYCAL
0459 2 x 2ml syringes and 20 disposable tips.

Medical device class IIa (LNE-GMED)

PR SCELL™

Long-lasting luting cement for crowns, bridges, inlays and orthodontic devices

**PROPERTIES**
- Good mechanical resistance
- Great fineness
- Excellent adhesion to enamel, dentin and metals
- Satisfactory tissue tolerance
- Fluorides release (HY agent)

**COMPOSITION**
Powder: zinc oxide, fluorides, excipients.
Liquid: copolymer of acrylic and tricarboxylic acids, excipients.


PR SCELL POLYCARBOXYLATE
0459 60g of powder, 40g (33ml) of liquid, 1 measuring scoop (powder).

Medical device class IIa (LNE-GMED)
Permanent luting cement for crowns, bridges, posts, inlays and orthodontic devices

**PROPERTIES**
- Very easy use (relatively insensitive to moisture during application)
- Long working time & fast setting
- Fine film
- Excellent adhesion to dentin & metals
- Satisfactory tissue tolerance
- Fluorides release
- Hardening without temperature elevation
- Radio-opacity


**COMPOSITION**
Powder: alumino-silicates, fluorides, excipients.
Liquid: copolymer of acrylic and tricarboxylic acids, excipients.

---

Semi-permanent luting cement for crowns and bridges over implants

**PROPERTIES**
- Excellent marginal seal thanks to low expansion
- Very thin film thickness (< 20µm)
- Strong adhesion to the teeth
- Can be removed easily

**COMPOSITION**
Methacrylic esters, zinc oxide.

---

Medical device class Ila (LNE-GMED)
GEL DE MORDANCAGE

Amelo-dentinal etching

**PROPERTIES**
- Thixotropic gel allowing an easy and precise installation; does not flow
- Blue color easily located for removal
- Dissolve the mineral matrix (calcium hydroxyapatite) of the tooth

**COMPOSITION**
37% ortho-phosphoric acid

---

GEL DE MORDANCAGE

1 x 2.5g syringe of gel, 3 bendable application cannulas

Medical device class IIa (LNE-GMED)

---

ADEFIX™ AM

Self-etching amelo-dentinal adhesive

**PROPERTIES**
- One component: lightcuring, self-etching amelo-dentinal adhesive for any adhesion bonding of lightcuring compound resin or lightcuring compomer restorations
- One layer: 1 step for the dentist (time saving)
- Short lightcuring time: 10s
- Can be used with:
  - a LED or halogen light
  - lightcuring compound resin or lightcuring compomer restoration

**COMPOSITION**
Bis-GMA resins, Ethanol/Water mixing, Additives, Catalyst

---

ADEFIX AM

1 x 5ml bottle, 50 single-use brushes, 1 application plate

Medical device class IIa (LNE-GMED)
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ENDODONTICS
EDETAT

Preparation for root canal (chelator)

**PROPERTIES**
EDETAT enables the removal of pathological mineral material (various denticles, calcifications) and the enlargement of narrow or difficult-to-access canals. It solubilizes organic debris and lubricates the instruments used for canal preparation.

EDETAT contains a quaternary ammonium for good wetting of the dentin wall and foaming power to avoid sedimentation of debris in the apex, thereby facilitating its removal from the canal.

**COMPOSITION**
Edetic acid: 14% under dihemipotassium salt form, excipients.

---

SALVIZOL™ E.D.T.A.

Root canal irrigant

**PROPERTIES**
Thanks to its chelating properties, SALVIZOL™ E.D.T.A. dissolves the mineralizing screen, facilitating removal of the smear layer. It contains a quaternary ammonium salt to efficiently wet the dentin wall and produce a foam, thus avoiding apical sedimentation of debris. When used in combination with sodium hypochlorite (NaClO), SALVIZOL™ E.D.T.A. makes it possible to obtain clean dentin walls and satisfactory opening of the tubules, so that the canal can then be optimally obturated.

**COMPOSITION**
Edetic acid: 8g/100g under dihemipotassium salt form, quaternary ammonium, excipients.
MTA Caps

Permanent endodontic cement

**INDICATION**
- Root end filling in surgical endodontics
- Repair of root perforations
- Pulp capping
- Apexification

**PROPERTIES**
- Impermeable barrier: a quite slow setting prevents any risk of retraction
- Effective barrier against bacteria and fluids
- Radiopaque; pre-measured capsules; easy to setup
- Packaged in capsules ready to use

**COMPOSITION**
Powder: mixing of mineral oxides (calcium and tungstate).
Liquid: water.
* Mineral Trioxide Aggregate

MTA Caps: Class IIa (MEDCERT) medical device - MTA ApliCaps: Class I medical device -
Manufacturer: First Scientific Dental GmbH - Germany
Distributor: Produits Dentaires Pierre Rolland - France

**HYCAL™**

Calcium hydroxide-based preparation

**INDICATION**
- HYCAL™ is a calcium hydroxide-based aqueous preparation indicated for:
  - Maintaining a pH which discourages bacterial proliferation between 2 treatment sessions.
  - Direct pulp capping or after pulpotomy.
  - Indirect pulp capping for cases of deep caries.
  - Temporary filling of root canals if root growth is not yet complete.

**PROPERTIES**
- Product ready for use.
- High pH (>11.5) due to the presence of calcium hydroxide (45%), which discourages bacterial proliferation.
- Effective protection of the pulp.
- Promotes the formation of secondary dentin.
- Can be used under all filling and cavity-liner materials.
- Radiopaque.

**COMPOSITION**
Calcium hydroxide (45%), Excipients.

HYCAL: Class IIa (MEDCERT) medical device - Manufacturer: MP Medical Product GmbH -
Germany - Distributor: Produits Dentaires Pierre Rolland - France
CORTISOMOL™ SP KIT
Powder for permanent sealing cement for root canals

**PROPERTIES**
Prednisolone acetate is a steroidal anti-inflammatory agent with good local and systemic safety. It is used for the relief of post-operative pain following root canal work. In addition, Cortisomol™ SP is radiopaque and, although without any colouring agent, its colour makes the canal entry easily visible.

**COMPOSITION**
Prednisolone acetate 1.1%; Thymol iodide; Zinc oxide; Baryum sulphate; Excipients.

CORTISOMOL™ SP KIT
Jar containing 25g of powder; 1 spoon
Medical device class III - CE 0459 (LNE-GMED) (powder)
Medical device class I - CE (spoon)

SEALITE™ ULTRA KIT
Permanent sealing cement for root canals

**PROPERTIES**
SEALITE™ Ultra contains enoxolone (or glycyrrhetinic acid): a nonsteroidal anti-inflammatory agent with good local and systemic safety. It is used for the relief of post-operative pain following root canal work perfectly fills even the smallest canals, very thin film thickness, no desintegration, very slow solubility, very high flexibility of handling: adequate working time with a setting time that allows placement of Gutta Cones, regardless of the procedure used.

**COMPOSITION**
Powder: Enoxolone 1% - Thymol iodide - Zinc oxide - Radiopacifier - Excipients.

SEALITE ULTRA KIT
25g of powder, 10ml of liquid, 1 spoon, 1 dropper
SEALITE Liquide - 10ml (refill)

Medical device class III - CE 0459 (LNE-GMED) (powder)
Medical device class Ila - CE 0459 (LNE-GMED) (liquid)
Medical device class I - CE (spoon, dropper)
SEALITE™ REGULAR KIT
Permanent sealing cement for root canals

**PROPERTIES**
Cement that spreads completely into canals.
Very thin film thickness.
Very low disintegration.
Easy to handle: adequate working time, with a setting time that allows placement of gutta cones regardless of the method used.

**COMPOSITION**
Liquid: Eugenol - Excipients.

**SEALITE REGULAR KIT**
25g of powder, 10ml of liquid, 1 spoon, 1 dropper
**SEALITE Liquide** - 10ml (refill)

Medical devices class IIa - CE 0459 (LNE-GMED) (powder and liquid)
Medical device class I - CE (spoon, dropper)

EUGENOL PUR
Liquid for zinc-oxide based cement

**PROPERTIES**
Eugenol with bivalent metallic ions (Zn2+) forms a chelate: chemopolymerization.

**COMPOSITION**
Eugenol 100%.

**EUGENOL PUR**
0459 Bottle of 60 ml

Medical device class IIa (LNE-GMED)
CIMAVIT™
Temporary filling cement

**PROPERTIES**
- Ready-to-use (no mixing).
- Airtight (impermeable plastic components).
- Very good adherence to dentine.
- Setting time in mouth: about 3 minutes;
- Easy to remove (probe, excavator, ...).
- Pink colour allowing easy detection;

**COMPOSITION**
Hydroxyethylmethacrylates,
butylhydroxytoluene, acrylate ester and
polymers.

CIMAVIT PHOTO
Curing material for temporary fillings

**INDICATION**
All types of coronal temporary fillings, temporary fillings in the context of inlay and onlay techniques.

**PROPERTIES**
Ready-to-use material, does not stick to instruments, condensable, does not require a particular sized cavity, ensures an hermetic seal (isolates the tooth from bacterial and thermal aggression), can be left in place for up to 4 weeks,
- very good resistance to occlusive forces,
- good aesthetic translucency,
- its elastic consistency facilitates its removal in one bloc.

**COMPOSITION**
Hydroxyethylmethacrylates,
butylhydroxytoluene, acrylate ester and polymers.

CIMAVIT PHOTO
0482 2x4g syringes
213 820
Medical device class IIa (MEDCERT) - Manufacturer: MP Medical Product GmbH - Germany
Distributor: PRODUITS DENTAIRES PIERRE ROLLAND - France
RESOSOLV™

Solvent for phenol-formol type root canal filling cements

**DIRECTIONS FOR USE**
- Mechanically clean (drill) the tooth cavity and the root canal entrance as much as possible.
- Apply enough RESOSOLV to the tooth cavity to wet it completely. Start to remove fillings using a reamer/file and pressing the RESOLSOLV towards the resin. Carefully start to remove the first millimetres applying force; prolonged contact of the RESOSOLV with the resin makes this easier.
- Add the RESOSOLV as you progress to continue to dissolve the resin.
- When fillings have been removed, mechanically clean the area, dry with air and using paper points.

**COMPOSITION**
Dimethylformamide, excipients.

---

**RESOSOLV**

Bottle of 14ml

Medical device class IIa (LNE-GMED)
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PROPHYLAXIS & PERIODONTICS
Unique structure and high mechanical resistance for optimal bone regeneration

- 100% synthetic: no risk of biologic contamination
- Radiopaque
- Easy handling: high porosity of the material makes easier the absorption of fluids to form a cohesive structure that is easy to handle.
- Qualios has a high compression resistance thus, holding its volume while filling the space during the period of bone regeneration.
- Reduces operating time
Synthetic bone graft

**INDICATION**
Qualios®TCP is a porous ceramic designed for the filling of bone defects.
Qualios®TCP is made of 99.9% β-tricalcium phosphate (β-TCP).

**COMPOSITION**
β-tricalcium phosphate $\text{Ca}_3(\text{PO}_4)_2$

**PROPERTIES**
Phosphocalcic ceramic is quickly osteointegrated thanks to its composition very close to this of the human bone’s mineral phase, as well as its highly porous structure. This high porosity, made of widely interconnected pores allows a greater vascularization up to the center of the graft and thus an easy colonization by bone cells. Qualios TCP is 100% resorbable within 2 to 4 months.

<table>
<thead>
<tr>
<th>Qualios TCP</th>
<th>0.1 - 0.5 mm</th>
<th>0.5 g x 1</th>
<th>200 240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualios TCP</td>
<td>0.1 - 0.5 mm</td>
<td>0.5 g x 5</td>
<td>200 241</td>
</tr>
<tr>
<td>Qualios TCP</td>
<td>0.5 - 1 mm</td>
<td>1 g x 1</td>
<td>200 242</td>
</tr>
<tr>
<td>Qualios TCP</td>
<td>0.5 - 1 mm</td>
<td>1 g x 5</td>
<td>200 242</td>
</tr>
<tr>
<td>Qualios TCP</td>
<td>6 x 15 mm</td>
<td>Cylindres x 2</td>
<td>200 244</td>
</tr>
</tbody>
</table>

Class III medical device – CE 0120 (SGS) – Manufacturer: Medbone Medical Devices Lda – Portugal
Distributor: PRODUIT DENTAIRE PIERREROLLAND – France

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Synthetic bone graft

**INDICATION**
Qualios®TCP is a porous ceramic designed for the filling of bone defects.
Qualios®TCP is a biphasic ceramic made of two types of calcium phosphate ceramic: β-tricalcium phosphate (β-TCP) and hydroxyapatite.

**COMPOSITION**
25% β-tricalcium phosphate $\text{Ca}_3(\text{PO}_4)_2$
75% hydroxyapatite
de phosphate tricalcique $\text{Ca}_3(\text{PO}_4)_2$

**PROPERTIES**
Phosphocalcic ceramic is quickly osteointegrated thanks to its composition very close from this of the human bone’s mineral phase, as well as its highly porous structure. This high porosity, made of widely interconnected pores allows a greater vascularization up to the center of the graft and thus an easy colonization by bone cells. Qualios TCP is 100% resorbable within 6 to 24 months.

<table>
<thead>
<tr>
<th>Qualios BCP</th>
<th>0.1 - 0.5 mm</th>
<th>0.5 g x 1</th>
<th>200 245</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualios BCP</td>
<td>0.1 - 0.5 mm</td>
<td>0.5 g x 5</td>
<td>200 246</td>
</tr>
<tr>
<td>Qualios BCP</td>
<td>0.5 - 1 mm</td>
<td>1 g x 1</td>
<td>200 247</td>
</tr>
<tr>
<td>Qualios BCP</td>
<td>0.5 - 1 mm</td>
<td>1 g x 5</td>
<td>200 248</td>
</tr>
<tr>
<td>Qualios BCP</td>
<td>6 x 15 mm</td>
<td>Cylindres x 2</td>
<td>200 249</td>
</tr>
</tbody>
</table>

Class III medical device – CE 0120 (SGS) – Manufacturer: Medbone Medical Devices Lda – Portugal
Distributor: PRODUIT DENTAIRE PIERREROLLAND – France
INDICATIONS
• Reconstruction of osseous defects.
• Root furcations repair.
• Augmentation of crests' volume.
• Covering of peri-implantal spaces.
• Covering of alveoli after tooth extraction.
• Pre and peri-implantal guided tissue regeneration.

COMPOSITION
Type I horse collagen: 96 - 98%,
Glycosaminoglycans (chondroitin sulphate): 2 - 4%.

ORIGIN - MANUFACTURE
Paroguide is an opaque, cream-coloured membrane of medium rigidity, made of native lyophilized collagen from animal origin (equine): Type I collagen. Manufacture consists in a lyophilization of collagen gel. Collagen is exclusively obtained from equine tendons (horses certified by the Ministry of Health as usable in otherapy), from agreed abattoirs (EEC stamp). The compresses obtained are then packaged under unit blisters and sterilised by gamma radiation at a dose of 25KGray. A sterility test according to the European Pharmacopoeia is performed on each batch. Paroguide, membrane, shows a good guarantee of viral, bacterial and fungic security according to the scientific knowledge.

PROPERTIES
Barrier effect
• Paroguide has a barrier effect allowing a cellular selection. The membrane limits the access of osseous defects to the only bone cells, so that it allows the regeneration of osseous tissue and a normal ligament attachment.
• Resorbable in about 8 to 12 week.

STORAGE
5 years from the manufacturing date.

Medical device class III (ISS) - Manufacturer: Golgate-Palmolive Commerciale s.r.l - Italia
Distributed by Produits Dentaires Pierre Rolland - France
ETIK™ COLLAGENE

Haemostatic Surgical Dressing

COMPOSITION - MANUFACTURING
ETIK COLLAGENE cylinders are made from pure native collagen, of animal origin (bovine): Type I collagen: 80 to 90% - Type III collagen: 10 to 20%. The collagen used has a European Pharmacopoeia Conformity certificate. The ETIK COLLAGENE cylinders are then packaged in single unit blister packs, then sterilised by gamma (Γ) ionising radiation. Based on present knowledge, ETIK COLLAGENE cylinders therefore offer maximum viral, bacterial, fungal and NCTA safety.

HOW IT WORKS
Haemostatic due to its mechanical properties
Collagen is a fibrillar protein that is naturally occurring in all connective tissues. Lyophilised collagen, in cylinder form, causes haemostasis due to its adhesion, liquid absorption and gelling properties.

Strong adhesion
The collagen cylinder moulds to the hemorrhagic surface, strongly adhering to it when subject to mechanical compression. This causes formation of the platelet plug (coagulation) and ensures the latter remains in place.

ETIK COLLAGENE
Box of 25 unit-packaged sterile cylinders (in blister packs)
Dimensions: diameter ≈ 10mm, height ≈ 16mm

Medical device class III (LNE-GMED)
Haemostatic dressing with mechanical action

**INDICATION**
For all cases of moderate bleeding occurring in routine dental practice (scaling, etc.).

**PROPERTIES**

- **Effective**
  - No bleeding or weeping at site (aluminium chloride)

- **Practical**
  - Direct and accurate application in mouth using the bent cannulas provided
  - Perfect adherence to the mucosa
  - Compression unnecessary

- **Fast**
  - Haemostasis (by mechanical action) achieved between several seconds and 2 minutes
  - Easy removal (blue colour) with a gentle water spray

- **Economical**
  - Approximately 30 applications by syringe

**HEMOSTASYL KIT** - 2 x 2 g-syringe + 40 cannulas  
246 200

**HEMOSTASYL SERINGUES** - 2 x 2 g-syringe  
246 050

**HEMOSTASYL CANNULAS** - 40 cannulas  
246 100

Hemostasyl seringues: Medical device class IIA - CE 0459 (LNE-GMED)
Hemostasyl cannulas: Medical device class I - CE
SOIE DENTAIRE

Dental Silk - Non-resorbable sutures

PRESENTATION
Box (chest + drawer) containing 36 thermo-soldered peelable external envelopes containing each one sterile aluminium packet of paper (Ethylene oxide sterilization) with one stainless steel needle and a black waxed silk lightly coated, setted in the needle.

Soie dentaire 3/0
• Needle: length 18mm, radius of curvature 3/8th, non-traumatising triangular shape.
• Strand: black waxed flossed silk, diameter Dec 2, length 45cm, non-resorbable, proteinic fibre (fibroin) made essentially of repeated amino-acids sequences from the unwinding of silkworm’s cocoons.

Soie dentaire 4/0
• Needle: length 12mm, radius of curvature 3/8th, non-traumatising triangular shape.
• Strand: black waxed flossed silk, diameter Dec 1.5, length 45cm, non-resorbable, proteinic fibre (fibroin) made essentially of repeated amino-acids sequences from the unwinding of silkworm’s cocoons.

PROPERTIES
• Very flexible,
• Easy to handle as it has almost no shape memory.
• No blood impregnation.

STORAGE
5 years from the manufactured date.

SOIE DENTAIRE 4/0
Box containing 36 sutures

SOIE DENTAIRE 3/0
Box containing 36 sutures

Medical device class IIa - CE 0459 (LNE-GMED)
Manufacturer: Peters Chirurgical-France-Distributed by Produits Dentaires Pierre Rolland-France
Polishing of teeth after scaling

**PROPERTIES**
Silica is a mildly abrasive powder which gives the paste its polishing properties, eliminating the micro-roughness that is present after scaling, without damaging the enamel or gums.

A flavoring compound gives it a pleasant, refreshing taste.

<table>
<thead>
<tr>
<th>SITSALICINE</th>
<th>277 803</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube containing 60g of paste</td>
<td></td>
</tr>
</tbody>
</table>

Class IIa (LNE-GMED) medical device
**PRIMACAINÈ**

Injectable solution for dental use

**INDICATIONS**
Local or loco-regional anaesthesia in odonto-stomatological practice.

**ADVANTAGES**
- Less manufacturing steps
- Fast manufacturing process that allows to decrease the risk of epinephrine degradation
- No EDTA
- Low rate of sulfites*

Sodium metabisulphite: 0.85mg per cartridge

* vasoconstrictor preservative with antioxidant properties

---

**PRIMACAINÈ - Adrénaline 1/200 000**
Box of 50 cartridges (1.7ml)

262 220

This product is a medicinal product and then cannot be sold without local registration

---

**PRIMACAINÈ**

Injectable solution for dental use

**INDICATIONS**
Local or loco-regional anaesthesia in odonto-stomatological practice. This presentation is particularly adapted when procedures require a high ischemia.

**ADVANTAGES**
- Contains 4% articaine hydrochloride and 1/200000 epinephrine
- Less manufacturing steps
- Fast manufacturing process that allows to decrease the risk of epinephrine degradation
- No EDTA
- Low rate of sulfites*

Sodium metabisulphite: 0.85mg per cartridge

* vasoconstrictor preservative with antioxidant properties

---

**PRIMACAINÈ - Adrénaline 1/100 000**
Box of 50 cartridges (1.7ml)

262 215

This product is a medicinal product and then cannot be sold without local registration
**XYLOROLLAND™**

**Sans Vasoconstricteur**

Injectable solution for dental use

**INDICATIONS**
- Local or loco-regional anaesthesia in odontostomatological practice.
- This preparation is particularly used when the administration of a vasoconstrictor is contraindicated.

**ADVANTAGES**
- Contains 2% lidocaïne hydrochloride
- Low rate of sodium metabisulfite: 0.055%

**XYLOROLLAND sans Vasoconstricteur**
Box of 50 cartridges (1.8ml)

This product is a medicinal product and then cannot be sold without local registration

---

**XYLOROLLAND™**

**Avec adrénaline**

Injectable solution for dental use

**INDICATIONS**
- Local or loco-regional anaesthesia in odontostomatological practice.

**ADVANTAGES**
- Contains 2% lidocaïne hydrochloride and 1/80000 epinephrine
- No EDTA
- Low rate of sodium metabisulfite: 0.055%
- Efficient industrial process by adjusting pH to 3.8 pH better suited to active ingredients stability, especially epinephrine's.

**XYLOROLLAND avec adrénaline**
Box of 50 cartridges (1.8ml)

This product is a medicinal product and then cannot be sold without local registration
INDICATIONS
• Local cryoanaesthesia for short operations: incision of abscess, extraction of deciduous teeth, roots, pyorrhoeic teeth
• Pulp vitality test: Fall in temperature of enamel stimulates the dental pulp (slight pain), allowing evaluation of the vitality of the tooth tested.

PROPERTIES
Tetrafluoroethane exerts an anaesthetic action by cooling: rapid evaporation of this substance on the surface to which it is applied induces a marked reduction of the temperature of this surface, lasting several dozen seconds. Surface anaesthesia is induced when this temperature reduction reaches the synaptic transmission threshold.

INSTRUCTIONS FOR USE
• Cryoanaesthesia: Place the cannula at about 5cm from the zone to be anaesthetized. Spray rapidly the product in an ever tighter spiral around the area to be treated. Stop spraying as soon as the mucosa becomes white.
• Pulp vitality test: Impregnate a cotton ball with FRILJET. Place the impregnated cotton ball on the enamel of the tooth whose vitality is tested.

WARNING: This product induces a fall in the tissues temperature until -25°C and can cause tissues necrosis if the instructions for use are not respected.

Do not use FRILJET without the cannula.

FRILJET SPRAY
Bottle of 200g (171.5ml) + cannula
Class IIa (LNE-GMED) medical device

XYLOCONTACT
Local surface anesthesia - 7.48% Lidocaïne

• Local surface anaesthesia during:
  . Infiltration anaesthesia
  . Cutting and laying of crowns and bridge pillars
  . Juxtagingival and subgingival scaling
• Anaesthesia is achieved within 1-2 minutes
• Verbena aroma

XYLOCONTACT
15g tube

This product is a medicinal product and then cannot be sold without local registration
Sterile dental needles

<table>
<thead>
<tr>
<th>Denomination</th>
<th>Sizes</th>
<th>Dimensions (mm)</th>
<th>Diameter in gauge</th>
<th>Colour code</th>
<th>Type of injection</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/30</td>
<td>Extra short</td>
<td>0.3 x 12</td>
<td>30Ga</td>
<td>Yellow</td>
<td>Interligamentary</td>
</tr>
<tr>
<td>16/30</td>
<td>Short</td>
<td>0.3 x 16</td>
<td>30Ga</td>
<td>Yellow</td>
<td>Periapical</td>
</tr>
<tr>
<td>21/30</td>
<td>Short</td>
<td>0.3 x 21</td>
<td>30Ga</td>
<td>Yellow</td>
<td>Periapical</td>
</tr>
<tr>
<td>8/40</td>
<td>Extra short</td>
<td>0.4 x 08</td>
<td>27Ga</td>
<td>Medium grey</td>
<td>Interligamentary, Intraseptal</td>
</tr>
<tr>
<td>21/40</td>
<td>Short</td>
<td>0.4 x 21</td>
<td>27Ga</td>
<td>Medium grey</td>
<td>Periapical</td>
</tr>
<tr>
<td>35/50</td>
<td>Long</td>
<td>0.5 x 35</td>
<td>25Ga</td>
<td>Orange</td>
<td>Nerve block</td>
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Splinting ribbons

INDICATIONS
• Stabilization of mobile teeth.
• Temporary replacement of missing teeth. Maintain of inter-dental spaces. Reinforcement or repairing of temporary or permanent bridges.

INSTRUCTIONS FOR USE
1 - Determine the exact length of the splinting ribbons
2 - cut it to the right length
3 - Apply the etching gel
4 - Rince thoroughly then dry gently
5 - Apply an adhesive
6 - Spread with compressed air for 3 seconds. All surfaces light-cure according to manufacturer’s instructions
7 - Place a small drop of flowable composite on the most distal part of the retention, then apply on the tooth surface.
8 - Light cure (LED Light) according to manufacturer’s instructions
9 - Coat another small portion of Biosplint Splinting ribbon
10 - Continue step by step until the ribbon has been fixed
11 - Once the ribbon is fully fixed, apply another coat of flowable composite over the entire surface of the ribbon.
12 - Light cure

BIOSPLINT BANDELETTES
Box containing 8 ribbons

BIOSPLINT CISEAU THERMIQUE
Box containing 1 thermal cutter

Medical device class Ila (LNE-GMED) (Biosplint Ribbons)
Medical device class I (Thermal cutter)
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HYGIENE
HYGIENE
Disposal tips for air/water syringe

RisKontrol®

Disposable tips for air/water syringe

PROPERTIES
The RISKONTROL® tips are intended for single-use, with a rounded end for the patient’s comfort. The risk of direct or cross-contamination is consequently eliminated. With RISKONTROL®, your patients and you are protected. The new design improves the set-up of the tip on the adapter with a led system.

COMPOSITION
The RISKONTROL® tips are made of entirely recyclable polyethylene. This material is environmentally friendly and non-polluting in the case of combustion.

Classic RisKontrol®
Box of 250 non sterile tips

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Medical devices class I

Ecologic RisKontrol®
Box of 250 non sterile tips

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Medical devices class I

Stérile RisKontrol®
Box of 96 tips under individual blisters, sterilized with ethylene oxide

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Medical devices class I S (LNE-GMED)
HYGIENE
Disposal tips for air/water syringe

**Total Protect by RisKontrol®**

Box of 100 non-sterile tips with plastic sheath

- White: 201 751
- Blue: 201 750

Medical devices class I

**Art by RisKontrol®**

Box of 250 non-sterile tips

5 colors, 5 flavours

- Orange/Mandarine: 201 701
- Grey/Liquorice: 201 702
- Green/Anise: 201 703
- Purple/Black Current: 201 704
- White/Mint: 201 700

Medical devices class I

**RisKontrol®**

Adapters for air/water syringes

The RISKONTROL® range includes almost 42 different adapters able to equip 145 types of instrument delivery systems. The adapter is left permanently in place. You just need to change the tips between each patient.

The adapters are delivered with 1 protective cap and, depending on the types, with a replacement O-ring to ensure optimal functioning of your syringe.

**Adaptateur**

Blister pack

Medical devices class I
Gloves

**HYGIENE Gloves**

### Powdered latex examination gloves

| --- | ---
| Ambidextrous | **COMPOSITION**
| Slightly powdered | First grade latex (natural polymer produced by a tree called “Hevea Brasiliensis”), additives.
| Smooth outside surface | |
| Non sterile, single use | |
| Wristband terminated with a rolled bead | |
| Gloves lubrication realised by addition of modified maize starch powder inside the glove. The powder rate is reduced by pass in a rotary drum. | |

**SEPTOL POWDERED GLOVES**

- 10 boxes containing 100 gloves each

- Medical devices class I

### Powder-free latex examination gloves with aloe vera

| --- | ---
| With aloe vera | **COMPOSITION**
| Ambidextrous | Very high quality latex (natural polymer produced by a tree called “Hevea Brasiliensis”); Aloe Vera.
| Powder free | |
| Semi-rough outside surface | |
| Non sterile, single use | |
| Manufactured to offer a maximum of strength, without sacrificing the necessary tactility; a very severe quality control guarantees the best hygiene conditions, so imperious today, to the practitioner, his/her staff and patients. | |

**SEPTOL POWDER-FREE GLOVES WITH ALOE VERA**

- 10 boxes containing 100 gloves each

- Medical devices class I
**Septol N.P. Gloves**

**Powder-free latex examination gloves**

**PROPERTIES**
- Ambidextrous
- Powder free
- Semi-rough outside surface
- Non-sterile, single use
- Manufactured to offer a maximum of strength, without sacrificing the necessary tactility

**COMPOSITION**
Latex (natural polymer produced by a tree called “Hevea Brasiliensis”); additives.

---

**CE SEPTOL POWDER-FREE GLOVES** - 10 boxes containing 100 gloves each


Medical devices class I

---

**Septol N.P. Nitrile Gloves**

**Powder-free nitrile examination gloves**

**PROPERTIES**
- Colour: blue
- Neutral pH approaching the one of the skin
- Ambidextrous
- Powder free, Pebble outside surface
- Non-sterile, single use
- Manufactured to offer a maximum of strength, without sacrificing the necessary tactility; a very severe quality control guarantees the best hygiene conditions, so imperious today, to the practitioner, his/her staff and patients.
- Complies with ASTM D6319-10 “Specifications for nitrile examination gloves” and ASTM D5151-06 “Detection of holes in medical gloves”.

**COMPOSITION**
Butadiene-acrylonitrile copolymer, Synthetic elastomer, Vulcanization agent: carbamate derivative.

---

**CE SEPTOL GLOVES NITRILE** - 1 box of 100 gloves


Medical devices class I
ACTEON PHARMA
Disinfection

INDICATION
SEPTOL™ Fraises is used before sterilization to clean and decontaminate burs and dental instruments (rotative or not). It can be used with an ultrasonic container, facilitates the cleaning but does not shorten the contact time.

PROPERTIES
• Colourless, ready to use. It acts at ambient temperature.
• Contains a detergent that dissolves protein substances (blood, pus, serous fluids).
• Powerful decontamination with bactericidal, and yeasticidal activities
• Contact time: 15 minutes.
In compliance with the standards:
Bactericidal activity: NF EN 1040 - NF EN 13727 - NF EN 14561 / Yeasticidal activity: EN 13624 (C. albicans), EN 1275 (C. albsicans)
It also acts on: BK (Mycobacterium tuberculosis) – HIV 1 – Hepatitis B virus – BVDV (surrogate of Hepatitis C virus).

CE SEPTOL ASPIRATION
0459 5 litre-bottle with a 20cc proportion pump
Medical device class IIa (LNE-GMED)

CE SEPTOL FRAISES
0459 Ready to use - 2 litre-bottle
Medical device class IIb (LNE-GMED)

IMMERSION TANK STRAWBERRY

Septol™ Aspiration
Cleaning and disinfecting suction circuits

SEPTOL™ Aspiration has been especially developed for cleaning and disinfecting aspiration circuits. It is suitable for all types of aspiration systems.

PROPERTIES
SEPTOL™ Aspiration is effective against gram+ and gram- bacteria, viruses and some fungi. It has an anti-microbial action (by inactivating intracellular enzymes systems) and eliminates all organic or mineral deposits carried by aspiration systems.

It remains active in the presence of proteins and organic substances (blood, pus, tissue debris). Does not foam, non corrosive, without aldehyde. It should always be diluted at 2% - Contact time: 15 minutes.
In compliance with the following standards:
Bactericidal activity: NF EN 1040 - NF EN 13727 - NF EN 14561 / Yeasticidal activity: EN 13624 (C. albicans), EN 1275 (C. albsicans)
It also acts on: BK (Mycobacterium tuberculosis) – HIV 1 – Hepatitis B virus – BVDV (surrogate of Hepatitis C virus).

268 380
268 320
Cleaning and disinfection of dental impressions

**PROPERTIES**
- Bottle fitted with integrated measuring cap
- Contact time: 10 minutes
- 10 ml of solution to be added to 1 litre of water
- Colour: yellow
- Aroma: cedrat
- Respects the dimensional stability of the impression
- No interaction with the dental stone

**COMPOSITION**
Dimethyl didecyl ammonium chloride; Phenoxyethanol; non ionic surfactant; Additives; Excipients.

**INDICATION**
SEPTOL™ Empreintes is especially intended for reinforced cleaning and pre-disinfection of all the instruments and medical devices (with or without ultrasounds)

**PROPERTIES**
- Blue limpid liquid, concentrated product to dilute: 1% before use.
- compatible with stainless metal, glass and plastics (polycarbonate, etc.). With special materials, a preliminary test of non-aggressiveness is required. The presence of a tri-enzymatic complex (amylase, lipase, protease) reinforces the detergent activity of the product.
- Bactericidal, fungicidal and virucidal properties.
- Contact time: 15 minutes.

In compliance with the following standards:
**INDICATION**
The wipes are especially adapted for the disinfection of previously cleaned photo polymerize lamp bodies and external components of radiological device heads (non-immersible and non-invasive medical devices).

**CARACTERISTICS - ACTIVITY**
SEPTOL™ Lingettes are made of a non-woven cellulose fibre base material impregnated with a cleansing and disinfectant solution without aldehyde.

SEPTOL™ Lingettes effectiveness is due to the impregnation solution. It is effective on gram+ and gram- bacteria, viruses, yeasts and fungi. The impregnation solution of SEPTOL Lingettes meets the following European standards:
- Bactericidal activity: NF EN 1040 - NF EN 13727 - NF EN 13697 (C. alsicans)
- Yeasticidal and fungicidal activity: NF EN 1275 - NF EN 13697
It is also active on Herpesvirus, HIV 1, and Hepatitis B virus.

**SEPTOL LINGETTES**
Watertight box with distributor and re-closing lid
6 refills of 120 wipes

Medical device class IIa (LNE-GMED)
**PROPERTIES**
Cleansing.
Good protection of the skin thanks to the superfatting effect of the oleic acid diethanolamide (F. Vitamin).

Effectiveness of antimicrobial preservative agents in terms of reference strains (p. aeruginosa, s. aureus, c. albicans, a. niger)

**SEPTOL SAVON DOUX** - 1 litre-bottle with 4ml measuring pump* 268 507
**SEPTOL SAVON DOUX** - 5 litre-bottle with tap* 268 506
**SEPTOL SAVON DOUX** - 1 litre-bottle for wall dispenser 268 510
**METAL WALL DISPENSER** 260 511
**WHITE WALL DISPENSER** 260 530

Cosmetic product.

*Accessories are available separately.

**Indication**
Fast-acting disinfectant, in dental field, for previously cleaned photo polymerize lamp bodies and external components of radiological device heads (non-immersible and non-invasive medical devices).

**Properties**
**SEPTOL™** Spray Liquide results from the association of three disinfectant molecules, which have different acting mechanism. On the other hand, it contains a high percentage of alcohol, which ensures a quick drying without traces. Any grease film remains after pulverization.

Colourless clear liquid, slightly perfumed; **SEPTOL Spray Liquide** meets the following current standards:
- Bactericidal activity: NF EN 13727 - NF EN 1040
- NF EN 1276 Yeasticidal activity: NF EN 1650 (C. albicans) - NF EN 1275 (C. albicans) - NF EN 13624
- Virucidal activity: NF EN 14476 (Influenza Virus A [H1N1]), NF EN 14476+A1 (Human Herpes Virus type 1)
- Moreover, SEPTOL Spray Liquide is active against: BK (Mycobacterium tuberculosis), Rotavirus, HIV-1, BVDV (surrogate of HCV), HBV.

**SEPTOL SPRAY LIQUIDE** - 1 litre-bottle with a spray attachment 268 349
**SEPTOL SPRAY LIQUIDE** - 5 litre-bottle with a tap attachment 268 348

Medical device class IIa (LNE-GMED)
Hand towels

**PRESENTATION**
Size: 19cm x 25cm  
Color: white

**PROPERTIES**
Excellent absorption.  
One towel is enough (6 layers of cellulose)  
High resistance

ESSUIE-MAINS / HAND TOWELS  
Carton box containing 1600 pieces

WALL DISPENSER

Bibs

Protection during scaling and air polishing

**PROPERTIES**
Plastic sheet placed between 2 layers of cotton  
Lace closure  
Size: 40 x 50cm

Bibs  
Carton de 450 pièces

Masques Haute Filtration

Practitioner and patient protection

**PROPERTIES**
- Specially adapted to the work of dental surgeons  
- Effective bacterial filtering ≥ 98%  
- Flexible  
- Comfortable  
- Glass fibre and latex free  
- Nose clip to ease breathing  
- High resistance to fluids, vapours and sprays  
- Flameproof  
- Compliant with standard NF EN 14683 «Medical Face Masks» - Type IIR

MASQUES HAUTE FILTRATION masks  
Box of 500
# ACTEON OEM

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ULTRASONICS
# Modules

**SP Newtron® 4K5V Module with connectors**

![Image of the SP Newtron® 4K5V Module with connectors]

**Reference:** F55297

**SP Newtron® Module with wires**

![Image of the SP Newtron® Module with wires]

**Reference:** F55298

**SP Newtron® Module Adec 500**

![Image of the SP Newtron® Module Adec 500]

**Reference:** F55287

### Standard Kits

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ULTRASONICS
SP Newtron® LED

MODULES

SP NEWTRON® LED 4K5V MODULE
With wires
F55528

SP NEWTRON® LED 4K3,7V MODULE
With special connection
F55529
## STANDARD KITS

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<td>F55512</td>
<td>SP Newtron LED</td>
<td>WS70</td>
<td>5x7</td>
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Light grey  Medium grey  Adec grey  Dark grey
ULTRASONICS
Other modules

SP 4055 NEWTRON

SP 4055 NEWTRON MODULE  

F55270

<table>
<thead>
<tr>
<th>Cord</th>
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<th>Potentiometer</th>
<th>Tips</th>
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<tr>
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> With DARK GREY cord

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SP 4055

MODULE SP 4055  

F55140

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> With LIGHT GREY cord

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## STANDARD CORDS

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<tr>
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</tr>
<tr>
<td>F00195</td>
<td>R7035</td>
<td>4x6</td>
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<td>F00239</td>
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<td><strong>MEDIUM GREY</strong></td>
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</tr>
<tr>
<td>F01153</td>
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<td>F01154</td>
<td>P101</td>
<td>5x7</td>
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<tr>
<td><strong>DARK GREY</strong></td>
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<td>F00184</td>
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## LED CORDS

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<td>F00616</td>
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HANDPIECES

Suprasson handpiece
autoclavable, light grey
F12200

NEWTRON® handpiece
autoclavable, light grey/dark grey
F12281

Newtron® LED handpiece
autoclavable
F12609

Low voltage Newtron® LED handpiece
autoclavable
F12607

NEWTRON® SLIM B.LED handpiece
with white LED ring
F12905

HANDPIECES ACCESSORIES

LED ring
for NEWTRON® LED handpiece
F12605

Low voltage LED ring
for low voltage NEWTRON® LED handpiece
F12606

Blue LED ring
for NEWTRON® SLIM B.LED handpiece
F62201

White LED ring
or NEWTRON® SLIM B.LED handpiece
F12915
ULTRASONICS
Accessories

Potentiometer 4,7K

F00522

Color potentiometer SP Newtron® 4,7K

F00524

OEM kit LUX handpiece
> LED handpiece

F12686

Delivered with a low voltage LED handpiece, a low voltage LED ring, kit with 2 resistances, a light grey Ø5x7 LED handpiece OEM cord and 2 o’ring kit + tool

Wiring extension SP Newtron® LED

F55522

SP Newtron® dummy load

F00021

IRRIGATION

Steri Pump kit without module
Delivered with 2 autoclavable irrigation lines and 10 perforators.

F28653

Steri Pump module

F28660

Steri Pump kit + module
Delivered with a Steri Pump, Steri Pump module, 2 autoclavable irrigation lines and 10 perforators.

F28652

Complete Steri Pump kit
Delivered with a Steri Pump, a Steri Pump module, 2 autoclavable irrigation lines, 10 perforators, 5 clips, a 4.7K potentiometer.

F28650
NEW MODULES

U.N.I MT MOTOR MODULE
F28208

U.N.I MT.BL MOTOR MODULE
F28127

NEW MOTORS

U.N.I MT motor
F28400

U.N.I MT.BL motor
F28401

NEW CORDS

U.N.I MT cord
F28207

U.N.I MT.BL cord
F28126

NEW HANDPIECES AND MOTORS TURBINES

> See pages 130 to 132
**MODULES**

**M6 MODULE**
without option

**F34300**

**M6P MODULE**
Pneumatic option with connectors

**F34304**

**MOTORS**

Light motor

**F28600**

External spray AV40 motor

**F28502**

Internal spray IS40 motor

**F28602**

**CORDS**

Light and IS motors medium grey cord

**F33711**

AV motor medium grey cord

**F33712**

Light motor black coiled cord

**F33713**
POLYMERIZATION
Mini LED™ OEM (with module)

Delivered with a handpiece, a module, a Ø7.5mm opalescent guide and an oval light shield.

- with Cordon ADEC Surf 6
- with ADEC Surf 6 cord
- with medium grey cord
- with dark grey cord
- with ADEC 500 Gray 3 (medium grey) cord

Mini LED™ OEM (without module)

Delivered with a handpiece, a module, a Ø7.5mm opalescent guide and an oval light shield.

- with medium grey cord
- with dark grey cord

Mini LED™ OEM handpiece
Mini LED™ SuperCharged OEM
Delivered with a handpiece, a module, a Ø7.5mm opalescent guide and an oval light shield.

- with dark grey cord F05207
- with medium grey cord F05206
- with light grey cord F05205
- with ADEC Surf 6 cord F05208

Mini LED™ SuperCharged OEM handpiece F05218
OEM module F02730

Dark grey cord F02721

Medium grey cord F02722

Light grey cord F02723

ADEC Surf 6 cord F02326

ADEC 500 Gray 3 (medium grey) cord F02327

> For standard accessories, please refer to tabletop curing lights 141-146
Mini LED™ AutoFocus

Mini LED™ AutoFocus dark grey cord
Discontinued, available until stock runs out  F02981
INTRAORAL CAMERAS
### BUILT-IN DOCKING STATIONS

**Dock MU Video**
Built-in docking station with image memory

*Please select the accessories for this module on page 237.*

**Dock MU USB2 Windows**
Built-in docking station with image memory and USB2 output

*Please select the accessories for this module on page 237.*

**Dock U USB2 Windows**
Built-in docking station with USB2 output

*Please select the accessories for this module on page 237.*

**Mini dock U USB2 Windows**
Built-in docking station with USB2 output

*Please select the accessories for this module on page 237.*

**Dock MU USB2 Mac**
Built-in docking station with image memory and USB2 output

*Please select the accessories for this module on page 237.*

**Dock U USB2 Mac**
Built-in docking station with USB2 output

*Please select the accessories for this module on page 237.*

**Mini dock U USB2 Mac**
Built-in docking station with USB2 output

*Please select the accessories for this module on page 237.*

### LINKING CABLES FOR BUILT-IN DOCKING STATIONS TYPE MU WITHOUT SHEATH

<table>
<thead>
<tr>
<th>Length</th>
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<tbody>
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<tr>
<td>5 m</td>
<td>922063</td>
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<td>7 m</td>
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### SATELEC®

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<tr>
<td>Instrument holder - Length 7 m</td>
<td>922067</td>
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<td>Cattani Ø21 suction holder - Length 5 m</td>
<td>922075</td>
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<tr>
<td>UK pending cord holder - Length 2.5 m</td>
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### ADEC 500

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<td>Cattani Ø21 suction holder - Length 2 m</td>
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### ADEC 300
- UK pending cord holder - Length 2 m 922126
- UK pending cord holder - Length 7 m 922127

### BELMONT
- Instrument holder - Length 2,5 m 922068
- Instrument holder - Length 5 m 922069
- Instrument holder - Length 7 m 922070
- Cattani Ø21 suction holder - Length 2,5 m 922080
- Cattani Ø21 suction holder - Length 5 m 922081
- UK pending cord holder - Length 7 m 922094

### FEDESA
- Instrument holder - Length 2,5 m 922071
- Instrument holder - Length 5 m 922072
- Instrument holder - Length 7 m 922073
- Cattani Ø21 suction holder - Length 5 m 922084

### LINKING CABLES FOR BUILT-IN DOCKING STATIONS TYPE U
#### WITHOUT SHEATH
- Length 2,5 m 922144
- Length 5 m 922145
- Length 7 m 922146
### SATELEC®

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<td>Cattani Ø21 suction holder - Length 5 m</td>
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<tr>
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<td>922139</td>
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### ADEC 300

- **UK pending cord holder - Length 2 m**  
  - 922140
- **UK pending cord holder - Length 7 m**  
  - 922141

### BELMONT

- **Instrument holder - Length 2,5 m**  
  - 922161
- **Instrument holder - Length 5 m**  
  - 922162
- **Instrument holder - Length 7 m**  
  - 922163
- **Cattani Ø21 suction holder - Length 2,5 m**  
  - 922164
- **Cattani Ø21 suction holder - Length 5 m**  
  - 922165
- **UK pending cord holder - Length 7 m**  
  - 922166

### FEDESA

- **Instrument holder - Length 2,5 m**  
  - 922167
- **Instrument holder - Length 5 m**  
  - 922168
- **Instrument holder - Length 7 m**  
  - 922143
- **Cattani Ø21 suction holder - Length 5 m**  
  - 922142
INTRAORAL CAMERAS
Configuration

DOCKS MU AND DOCKS U CONFIGURATION

BUILT-IN DOCKING STATIONS
- Dock MU USB2
- Dock MU Video
- Dock U USB2
- Mini dock U USB2

SHEATH
- RAL 9002 color
- A-dec 300 color
- A-dec 500 color
- Belmont color
- Fedesa color
- Without sheath

HOLDER
- Instrument
- Standard
- Cattani Ø21
- UK pending
- Handpiece holder

LINKING CABLE
- 2m
- 2.5m
- 5m
- 7m

ACCESSORIES
- Footswitch
- Video cable RCA/RCA 1.5m
- S-video cable YC/YC 1.5m or 5m
- USB2.0 cable 2m, 5m or 8m
  Only available in 5m for Dock U USB2
MORE INVENTIVE
LESS INVASIVE

INFO & CONTACTS

ACTEON
ACTEON® IS REPRESENTED IN MORE THAN 100 COUNTRIES AROUND THE WORLD
## MANUFACTURING PLANTS

<table>
<thead>
<tr>
<th>Equipment, Consumables</th>
<th>MERIGNAC (France) e-mail: <a href="mailto:info@acteongroup.com">info@acteongroup.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>DENTAL AND MEDICAL IMAGING</td>
<td>LA CIOTAT (France) e-mail: <a href="mailto:info@sopro.acteongroup.com">info@sopro.acteongroup.com</a></td>
</tr>
<tr>
<td>DENTAL RADIOLOGY</td>
<td>MILAN (Italy) e-mail: <a href="mailto:degotzen@degotzen.com">degotzen@degotzen.com</a></td>
</tr>
<tr>
<td>MEDICAL ENDOSCOPES</td>
<td>TUTTLINGEN (Germany) e-mail: <a href="mailto:info@sopro.acteongroup.com">info@sopro.acteongroup.com</a></td>
</tr>
</tbody>
</table>

## SUBSIDIARIES

| ACTEON® NORTH AMERICA (Philadelphia) | e-mail: info@us.acteongroup.com |
| ACTEON® GERMANY (Düsseldorf) | e-mail: info@de.acteongroup.com |
| ACTEON® IBERICA (Barcelona) | e-mail: info@es.acteongroup.com |
| ACTEON® UK (Cambridge) | e-mail: info@acteongroup.co.uk |
| ACTEON® THAILAND (Bangkok) | e-mail: info@th.acteongroup.com |
| ACTEON® INDIA (Delhi) | e-mail: info@in.acteongroup.com |

## REPRESENTATIVE OFFICES

| ACTEON® ITALIA (Milan) | e-mail: andrea.castellini@acteongroup.com |
| ACTEON® MIDDLE EAST (Amman) | e-mail: info@me.acteongroup.com |
| ACTEON® CHINA (Beijing) | e-mail: beijing@cn.acteongroup.com |
| ACTEON® LATIN AMERICA (Bogota) | e-mail: amlatina@es.acteongroup.com |
| ACTEON® RUSSIA (Moscow) | e-mail: info@acteongroup.ru |
| ACTEON® AUSTRALIA / NEW ZEALAND (Sydney) | e-mail: info@au.acteongroup.com |
| ACTEON® TAIWAN (Taipei) | e-mail: zevi.liu@acteongroup.com |
be calculated as follow: child's weight (in kilograms) x 1.33

Elderly subject
Administer half of the dose indicated for adults.

• Mode of administration
LOCAL OR REGIONAL INTRA-
ORAL SUBMUCOSAL INJECTION.
Verify the absence of vascular effraction by repeated aspiration tests, particularly during regional anaesthesia (nerve blocks).
The injection rate must not exceed 1ml of solution per minute.

4.3 Contraindications
This medicine is CONTRAINDICATED
• in the case of hypersensitivity to local anaesthetics or to one of the constituents, and in the following situations:
  - severe disorders of atrioventricular conduction without a pacemaker;
  - epilepsy not controlled by treatment;
  - porphyria.
This medicine is USUALLY UNADVISED in association with sibutramine (see § 4.5).

4.4 Special warnings and precautions for use
• Warnings
THIS PRODUCT CONTAINS
1/100 000 ADRENALINE.
Take the risk of local necrosis into account in hypertensive or diabatic subjects.
Anaesthesiophagy risks: all kind of bites (lips, cheeks, mucous, tongue); advise patients to avoid the use of chewing gum or eating food as long as the insensitivity persists.
The use of this product is not recommended in children under the age of 4 years, as this type of anaesthesia is unsuitable before this age.
Avoid injection into infected and inflamed areas (decreased efficacy of the local anaesthetic). Sportsmen must be advised that this medicine contains an active substance that can cause a positive reaction on anti-doping control tests.

• Precautions for use
The use of this product requires imperatively and previously:
- to conduct a clinical interview to determine the clinical context, concomitant treatments and the patient's past history;
- to perform a test injection of 5 to 10 % of the dose in the case of a risk of allergic reaction;
- to perform the injection slowly and strictly outside of the vessels, verifying by repeated aspirations;
- to maintain verbal contact with the patient.
Increased surveillance is required in subjects treated with anticoagulants (surveillance of the INR).
Due to the presence of adrenaline, precautions and increased surveillance in case of:
- all rhythm abnormalities, except bradycardia;
- coronary insufficiency;
- severe arterial hypertension.
The dose of articaine may need to be decreased in case of severe hepatocellular insufficiency, due to the mainly hepatic metabolism of amide local anaesthetics.
The dose must also be decreased in case of hypoxia, hyperkalaemia or metabolic acidosis.

Increased surveillance is required in subjects treated with anticoagulants (surveillance of the INR).
Due to the presence of adrenaline, precautions and increased surveillance in case of:

4.5 Interactions with other drugs or other forms of interactions
• Associations not recommended
Due to the presence of adrenaline:
+ Sibutramine: Paroxystic hypertension with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline’ s entrance in the sympathetic fibre).
+ Associations with precautions
for use
Due to the presence of adrenaline:
+ Halogenated volatile anaesthetics:
Serious ventricular rhythm abnormalities (increase of the cardiac reactivity).
Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Imipraminic anti-depressors:
Paroxysmic hypothermia with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).
Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Serotonergic-noradrenergic anti-depressors (described for minalcipran and venlafaxine):
Paroxysmic hypothermia with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).
Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Non selective MAOI (iproniazide):
Increase of the adrenaline and nor-adrenaline's pressive action, more often moderated.
Use only under strict medicinal control.
+ "A" Selective MAOI (moclobemide, toloxatone) by extrapolation from the non selective MAOI:
Risk of increase of the pressive action.
Use only under strict medicinal control.
Associations to take into account
+ Guanethidine:
High increase of the blood pressure (hyper reactivity due to the reduction of the sympathetic tonus and/or to the inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).

4.6 Pregnancy and breastfeeding
• Pregnancy
The studies carried out on animals do not show any teratogenic effect.
Due to the absence of teratogenic effect on animals, a malformed effect on mankind is not expected. Indeed, until today, the substances responsible of malformations on mankind have been teratogens on animals during studies carried out on two species.
In clinical practice, there are actually not enough relevant facts to estimate an eventual malformed or foetotoxic effect of the articaine when administered during pregnancy. Consequently, in the odonto-stomatological indications, articaine should only be used during pregnancy if necessary.
• Breastfeeding
Like other local anaesthetics, articaine diffuses into breast milk in very small quantity; however, breastfeeding can be continued following the anaesthetic procedure.

4.7 Effects on ability to drive and use machines
This product can modify the ability to drive and use machines.

4.8 Undesirable effects
Like with all the anaesthetics used in odonto-stomatology, lipothymies can occur. This product contains sodium metabisulphite, which can involve or worsen anaphylactic reactions.
In the case of overdose or in certain predisposed patients, the following clinical signs may be observed:
• on the central nervous system: nervousness, agitation, yawning, tremor, apprehension, nystagmus, logorrhoea, headache, nausea, ringing in the ears. In the presence of these warning signs, the patient must be asked to hyperventilate, and attentive surveillance is required to prevent possible deterioration with seizures followed by CNS depression.
• on the respiratory system: tachypnoea, then bradypnoea, possibly leading to apnoea.
• on the cardiovascular system: tachycardia, bradycardia, cardiovascular depression with arterial hypotension, possibly leading to collapse, arrhythmias (premature ventricular complexes, ventricular fibrillation), disorders of conduction (atrioventricular block).
These cardiac manifestations can lead to cardiac arrest.

4.9 Overdose
Toxic reactions, witnesses of an overdose in local anaesthetic, can occur in two situations: either immediately, due to relative overdose resulting from accidental intravenous injection, or more delayed, corresponding to true overdose due to the use of an excessive quantity of anaesthetic.
Action in case of overdose
As soon as warning signs are observed, ask the patient to hyperventilate, place the patient in the supine position, when necessary. In the case of clonic seizures, oxygenation and injection of a benzodiazepine. Treatment may require intubation with assisted ventilation.

5 - PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties
Pharmacotherapeutic class: LOCAL ANAESTHETICS, ATC Code: N01BB58
The articaine hydrochloride is a local anaesthetic with an amide function, which interrupts the nerve impulse along the nerve fibre at the injection site.
The addition of adrenaline diluted at 1/100 000 to the solution of articaine delays the passage of the articaine
into the systemic circulation and maintains an active tissue concentration, allowing to obtain a little hemorrhagic operative field. The anaesthesia is achieved within 2 to 3 minutes. The duration of anaesthesia allowing the surgical procedure is about 60 minutes. It is 2 to 3 times shorter for pulpar anaesthesia.

5.2 Pharmacokinetic properties
Injected in the buccal mucosa, the articaine blood concentration peak is obtained within 30 minutes after the injection. The elimination half-life of articaine hydrochloride is about 110 minutes. Articaine hydrochloride metabolism is mainly hepatic; 5 to 10% of the dose are eliminated under unchanged form in the urine.

5.3 Preclinical safety data
Studies carried out on animals have shown the good tolerance of articaine. Like other amide local anaesthetics, high doses of the active substance can induce toxic reactions on the central nervous system and/or cardiovascular system (see § 4.8).

6 PHARMACEUTICAL DATA
6.1 List of excipients
Sodium chloride, sodium metabisulphite, hydrochloric acid, sodium hydroxide, water for injectable preparations.

6.2 Incompatibilities
In the absence of compatibility studies, this drug should not be mixed with other drugs.

6.3 Shelf life
Before opening: 2 years. After opening: the product must be used immediately.

6.4 Special storage precautions
Store at a temperature not exceeding + 25°C. Store cartridges in the external packing and protected from light.

6.5 Nature and content of external packing
1.7ml in cartridge (colourless glass of type I) with a stopper (bromobutyle) and capsule (aluminium) with seal (bromobutyle). Box of 50.

6.6 Special precautions for disposal and handling
Like for all cartridges, the diaphragm will be disinfected just before use. It will be carefully plugged:
• either with ethyl alcohol at 70%,
• or with pure isopropyl alcohol at 90% for pharmaceutical use. The cartridges must never be plunged in any solution. Do not mix the injectable solution with other products in the same syringe. Any opened cartridge of anaesthetic solution must not be re-used.

7 HOLDER OF MARKETING AUTHORIZATION
LABORATOIRE PRODUITS DENTAIRES PIERRE ROLLAND
Zone Industrielle du Phare
17 avenue Gustave Eiffel
33700 MERIGNAC - FRANCE

8 FRENCH REGISTRATION ID NUMBER
564 696-5: 1.7ml in cartridge (glass) with a stopper (bromobutyle). Box of 50.

9 DATE OF FIRST AUTHORIZATION/OF RENEWAL OF AUTHORIZATION IN FRANCE

10 DATE OF TEXT UP-DATING
29 December 2014

FRENCH CONDITIONS OF PRESCRIPTION AND DELIVERY
List I.
RESERVED FOR PROFESSIONAL DENTAL USE

PRIMACaine™
adrénéline 1/200 000

1 DENOMINATION
PRIMACaine ADRENALINE 1/200 000, injectable solution for dental use.

2 QUALITATIVE AND QUANTITATIVE COMPOSITION
Articaine 60.277mg in the form of articaine hydrochloride
Adrenaline 0.0085mg in the form of adrenaline tartrate for one cartridge of 1.7ml. For the complete list of excipients, see § 6.1

3 PHARMACEUTICAL FORM
Injectable solution for dental use.

4 CLINICAL DATA
4.1 Therapeutic indications
Local or loco-regional anaesthesia in odonto-stomatological practice.

4.2 Dose and mode of administration
Reserved for adult and child over 4 as this type of anaesthesia is unsuitable before this age.
• Dose
  Adult
  The quantity to be injected must be adapted according to the extent of the procedure. Usually, half to one cartridge for a common procedure. Do not exceed the dose of 7mg of articaine hydrochloride per kilogram of bodyweight.
  Child (over 4)
  The injected quantity depends on the child’s age, weight and the type of procedure performed. The maximal dose to expect is 5mg of articaine hydrochloride (0.125ml of anaesthetic solution) per kilogram of bodyweight.
  *Elderly subject
  Administer half of the dose
The use of this product requires
• Precautions for use
control tests.
• Positive reaction on anti-doping
substance that can cause a
this medicine contains an active
Sportsmen must be advised that
efficacy of the local anaesthetic).
Avoid injection into infected
and inflamed areas (decreased
anaesthesia is unsuitable before
the age of 4 years, as this type of
recommended in children under
the age of 4 years.

The injection rate must not exceed 1ml of solution per
minute.

4.3 Contraindications
This medicine is CONTRAINDICATED
• in the case of hypersensitivity to local anaesthetics or to one of the constituents, and in the following situations:
- severe disorders of atrioventricular conduction without a pacemaker;
- epilepsy not controlled by treatment;
- porphyria.
This medicine is USUALLY UNADVISED in association with sibutramine (see § 4.5).

4.4 Special warnings and precautions for use
• Warnings
THIS PRODUCT CONTAINS 1/200 000 ADRENALINE.
Take the risk of local necrosis into account in hypertensive or diabetic subjects.
Anaesthesiophagy risks: all kind of bites (lips, cheeks, mucous, tongue); advise patients to avoid the use of chewing gum or eating food as long as the insensitivity persists.
The use of this product is not recommended in children under the age of 4 years, as this type of anaesthesia is unsuitable before this age.
Avoid injection into infected and inflamed areas (decreased efficacy of the local anaesthetic).
Sportsmen must be advised that this medicine contains an active substance that can cause a positive reaction on anti-doping control tests.
• Precautions for use
The use of this product requires imperatively and previously:
- to conduct a clinical interview to determine the clinical context, concomitant treatments and the patient’s past history;
- to perform a test injection of 5 to 10% of the dose in the case of a risk of allergic reaction;
- to perform the injection slowly and strictly outside of the vessels, verifying by repeated aspirations;
- to maintain verbal contact with the patient.
Increased surveillance is required in subjects treated with anticoagulants (surveillance of the INR).
Due to the presence of adrenaline, precautions and increased surveillance in case of:
- all rhythm abnormalities, except bradycardia;
- coronary insufficiency;
- severe arterial hypertension. The dose of articaine may need to be decreased in case of severe hepatocellular
insufficiency, due to the mainly hepatic metabolism of amide local anaesthetics. The dose must also be decreased in case of hypoxia, hyperkalaemia or metabolic acidosis.
The simultaneous administration of this anaesthetic with some products (see § 4.5) requires a close monitoring of the patient's clinical and biological state.

4.5 Interactions with other drugs or other forms of interactions
• Associations not recommended
Due to the presence of adrenaline:
+ Sibutramine: Paroxystic hypertension with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).
• Associations with precautions for use
Due to the presence of adrenaline:
+ Halogenated volatile anaesthetics:
Serious ventricular rhythm abnormalities (increase of the cardiac reactivity).
Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Imipramin anti-depressors:
Paroxystic hypertension with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).
Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Serotoninergic-noradrenergic anti-depressors (described for minalcipran and venlafaxine): Paroxystic hypertension with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).
Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Non selective MAOI (iproniazide): Increase of the adrenaline and nor-adrenaline's pressive action, more often moderated. Use only under strict medicinal control.
+ “A” Selective MAOI (moclobemide, toloxatone) by extrapolation from the non selective MAOI: Risk of increase of the pressive action. Use only under strict medicinal control. Associations to take into account
+ Guanethidine: High increase of the blood pressure (hyper reactivity due to the reduction of the sympathetic tonus and/or to the inhibition of the adrenaline or nor-adrenaline's entrance in the sympathetic fibre).
4.6 Pregnancy and breastfeeding

- Pregnancy
The studies carried out on animals do not show any teratogenic effect. Due to the absence of teratogenic effect on animals, a malformative effect on mankind is not expected. Indeed, until today, the substances responsible of malformations on mankind have been teratogens on animals during studies carried out on two species.

In clinical practice, there are actually not enough relevant facts to estimate an eventual malformative or foetotoxic effect of the articaine when administered during pregnancy. Consequently, in the odonto-stomatological indications, articaine should only be used during pregnancy if necessary.

- Breastfeeding
Like other local anaesthetics, articaine diffuses into breast milk in very small quantity; however, breastfeeding can be continued following the anaesthetic procedure.

4.7 Effects on ability to drive and use machines

This product can modify the ability to drive and use machines.

4.8 Undesirable effects

Like with all the anaesthetics used in odonto-stomatology, lipothymines can occur. This product contains sodium metabisulphite, which can involve or worsen anaphylactic reactions.

In the case of overdose or in certain predisposed patients, the following clinical signs may be observed:

- on the central nervous system: nervousness, agitation, yawning, tremor, apprehension, nystagmus, logorrhoea, headache, nausea, ringing in the ears. In the presence of these warning signs, the patient must be asked to hyperventilate, and attentive surveillance is required to prevent possible deterioration with seizures followed by CNS depression.
- on the respiratory system: tachypnoea, then bradypnoea, possibly leading to apnoea.
- on the cardiovascular system: tachycardia, bradycardia, cardiovascular depression with arterial hypotension, possibly leading to collapse, arrhythmias (premature ventricular complexes, ventricular fibrillation), disorders of conduction (atrioventricular block).

These cardiac manifestations can lead to cardiac arrest.

4.9 Overdose

Toxic reactions, witnesses of an overdose in local anaesthetic, can occur in two situations: either immediately, due to relative overdose resulting from accidental intravenous injection, or more delayed, corresponding to true overdose due to the use of an excessive quantity of anaesthetic.

Action in case of overdose

As soon as warning signs are observed, ask the patient to hyperventilate, place the patient in the supine position, when necessary. In the case of clonic seizures, oxygenation and injection of a benzodiazepine. Treatment may require intubation with assisted ventilation.

5 PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic class:
LOCAL ANAESTHETICS, ATC Code: N01BB58

The articaine hydrochloride is a local anaesthetic with an amide function, which interrupts the nerve impulse along the nerve fibre at the injection site. The addition of adrenaline diluted at 1/200 000 to the solution of articaine delays the passage of the articaine into the systemic circulation and maintains an active tissue concentration, allowing to obtain a little hemorrhagic operative field.

The anaesthesia is achieved within 2 to 3 minutes. The duration of anaesthesia allowing the surgical procedure is about 60 minutes. It is 2 to 3 times shorter for pulpar anaesthesia.

5.2 Pharmacokinetic properties

Injected in the buccal mucosa, the articaine blood concentration peak is obtained within 30 minutes after the injection. The elimination half-life of articaine hydrochloride is about 110 minutes. Articaine hydrochloride metabolism is mainly hepatic; 5 to 10% of the dose are eliminated under unchanged form in the urine.

5.3 Preclinical safety data

Studies carried out on animals have shown the good tolerance of articaine. Like other amide local anaesthetics, high doses of the active substance can induce toxic reactions on the central nervous system and/or cardiovascular system (see § 4.8).

6 PHARMACEUTICAL DATA

6.1 List of excipients

Sodium chloride, sodium metabisulphite, hydrochloric acid, sodium hydroxide, water for injectable preparations.

6.2 Incompatibilities

In the absence of compatibility studies, this drug should not be mixed with other drugs.

6.3 Shelf life

Before opening: 2 years. After opening: the product must be used immediately.

6.4 Special storage precautions

Store at a temperature not exceeding + 25°C.

Store cartridges in the external packing and protected from
6.5 Nature and content of external packing
1.7ml in cartridge (colourless glass of type I) with a stopper (bromobutyle) and capsule (aluminium) with seal (bromobutyle). Box of 50.

6.6 Special precautions for disposal and handling
Like for all cartridges, the diaphragm will be disinfected just before use. It will be carefully plugged:
- either with ethyl alcohol at 70%,
- or with pure isopropyl alcohol at 90% for pharmaceutical use.
The cartridges must never be plunged in any solution.
Do not mix the injectable solution with other products in the same syringe.
Any opened cartridge of anaesthetic solution must not be re-used.

7 HOLDER OF MARKETING AUTHORIZATION
LABORATOIRE PRODUITS DENTAIRES PIERRE ROLLAND
Zone Industrielle du Phare
17 avenue Gustave Eiffel
33700 MERIGNAC - FRANCE

8 FRENCH REGISTRATION ID NUMBER
564 697-1: 1.7ml in cartridge (glass) with a stopper (bromobutyle). Box of 50.

9 DATE OF FIRST AUTHORIZATION/OF RENEWAL OF AUTHORIZATION IN FRANCE

10 DATE OF UPDATING OF THE TEXT
29 December 2014

FRENCH CONDITIONS OF PRESCRIPTION AND DELIVERY
List I.
RESERVED FOR PROFESSIONAL DENTAL USE.

Xylorolland™ sans vasoconstricteur
1 - DENOMINATION
XYLOROLLAND SANS VASOCONSTRICTEUR, injectable solution for dental use.

2 - QUALITATIVE AND QUANTITATIVE COMPOSITION
LIDOCAINE HYDROCHLORIDE 36.0000mg for 1 cartridge containing 1.8ml. The sodium metabisulphite content, expressed as sulphur anhydride, is 1.8mg per cartridge.

3 - PHARMACEUTICAL FORM
Injectable solution.

4 - CLINICAL DATA
4.1 Therapeutic indications
Local or loco-regional anaesthesia in odonto-stomatological practice.
This preparation is particularly used when the administration of a vasoconstrictor is inadvisable.

4.2 Dose and mode of administration
Reserved for adult and child over 4 as this type of anaesthesia is unsuitable before this age.
- Dose
  Adult
  1 to 3 cartridges by session without exceeding 300mg of lidocaine per session.
  Child (over 4)
  The quantity to be injected depends on the child's age, weight and the type of procedure performed. The mean dose is 20 to 30mg of lidocaine hydrochloride per session. Do not exceed the dose of 2.2mg of lidocaine hydrochloride per kilogram of body weight.
  Elderly subject
  Administer half of the dose indicated for adults.
- Method of administration
  LOCAL OR REGIONAL INTRA-ORAL SUBMUCOSAL INJECTION.
  Verify the absence of vascular effraction by repeated aspiration tests, particularly during regional anaesthesia (nerve blocks).
The injection rate must not exceed 1ml of solution per minute.

4.3 Contraindications
This medicinal product is contraindicated in the case of hypersensitivity to local anaesthetics or to one of the constituents, and in the following situations:
- Severe disorders of atrioventricular conduction without a pacemaker.
- Epilepsy not controlled by treatment
- Intermittent acute porphyria.

4.4 Special warnings and precautions for use
- Warnings
  Anaesthesiophagy risks: all kind of bites (lips, cheeks, mucous, tongue); advise patients to avoid the use of chewing gum or eating food as long as the insensibility persists.
The use of this product is not recommended in children under the age of 4 years, as this type of anaesthesia is unsuitable before this age.
  Avoid injection into infected and inflamed areas (decreased efficacy of the local anaesthetic).
  Sportsmen must be advised that this medicinal product contains an active substance that can cause a positive reaction on anti-doping control tests.
- Precautions for use
  The use of this product requires imperatively:
  - to conduct a clinical interview to determine the clinical context, concomitant treatments and the patient's past history,
  - to perform a test injection of 5 to 10% of the dose in the case of a risk of allergic reaction,
  - to perform the injection slowly and strictly outside of the vessels, verifying by repeated aspirations,
  - to maintain verbal contact with the patient.
  Increased surveillance is required in subjects treated with
anticoagulants (surveillance of the INR). The dose of lidocaine may need to be decreased in the case of severe hepatic insufficiency, due to the mainly hepatic metabolism of amide local anaesthetics. The dosage must also be decreased in the case of hypoxia, hyperkalaemia or metabolic acidosis.

4.5 Interactions with other drugs or other interactions
Not applicable.

4.6 Pregnancy and breastfeeding

- Pregnancy
No reliable animal teratogenesis data are available. In clinical practice, analysis of a large number of pregnancies exposed to lidocaine did not reveal any particular foetotoxic or malformative effect for lidocaine. However, only epidemiological studies can confirm the absence of risk. Consequently, lidocaine can be prescribed for dental indications during pregnancy, if necessary.

- Breastfeeding
Like other local anaesthetics, lidocaine diffuses into breast milk in very small quantities; however, breastfeeding can be continued following the anaesthetic procedure.

4.7 Effects on ability to drive and use machines
This product can modify the ability to drive and use machines.

4.8 Undesirable effects
Due to the presence of sodium metabisulphite, risk of allergic reactions, as well as anaphylactic reactions and bronchospasms. Like with all the anaesthetics used in odonto-stomatology, lipothymies can happen. In the case of overdose or in certain predisposed patients, the following clinical signs may be observed:

- on the central nervous system: nervousness, agitation, yawning, tremor, apprehension, nystagmus, logorrhea, headache, nausea, ringing in the ears. In the presence of these warning signs, the patient must be asked to hyperventilate, and attentive surveillance is required to prevent possible deterioration with seizures followed by CNS depression.
- on the respiratory system: tachypnoea, then bradypnoea, possibly leading to apnoea.
- on the cardiovascular system: tachycardia, bradycardia, cardiovascular depression with arterial hypotension, possibly leading to collapse, arrhythmias (premature ventricular complexes, ventricular fibrillation), disorders of conduction (atrioventricular block). These cardiac manifestations can lead to cardiac arrest.

4.9 Overdose
Toxic reactions, reflecting overdose of local anaesthetic, can occur in two situations: either immediately, due to relative overdose resulting from accidental intravenous injection, or more delayed, corresponding to true overdose due to the use of an excessive quantity of anaesthetic.

Action in case of overdose
As soon as warning signs are observed, ask the patient to hyperventilate, place the patient in the supine position, when necessary. In the case of clonic seizures, oxygenation injection of a benzodiazepine. Treatment may require intubation with assisted ventilation.

5 - PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties
LOCAL ANAESTHETICS, ATC Code: N01BB02
Lidocaine hydrochloride is an amide local anaesthetic, which blocks propagation of the nerve impulse along the nerve fibre at the site of injection. Anaesthesia is obtained within 2 to 3 minutes. The duration of anaesthesia allowing the surgical procedure is about 90 to 120 minutes on soft tissues and 5 to 10 minutes on the pulp.

5.2 Pharmacokinetic properties
When injected into the oral mucosa by infiltration anaesthesia, lidocaine reaches a peak blood concentration about 10 to 15 minutes after injection. The mean elimination half-life of lidocaine hydrochloride is 90 minutes.

Lidocaine hydrochloride is mainly metabolised in the liver; 5 to 10% of the dose are eliminated under unchanged form in the urine.

5.3 Preclinical safety data
Studies carried out on animals have demonstrated the good tolerance of lidocaine. Like other amide local anaesthetics, high doses of the active substance can induce toxic reactions on the central nervous system and cardiovascular system (see «Undesirable effects»).

6 - PHARMACEUTICAL DATA

6.1 List of excipients
Sodium chloride, sodium metabisulphite, sodium hydroxide q.s., water for injections.
Inertizing gas: nitrogen.

6.2 Incompatibilities
In the absence of compatibility studies, this drug should not be mixed with other drugs.

6.3 Shelf life
3 years.

6.4 Special storage precautions
Store at a temperature below 25 °C and away from light.

6.5 Nature and content of external packing
Cartridge filled at 1.9ml, type I colourless glass with a bromobutyl rubber joint maintained by a crimping capsule at one end, and with a bromobutyl rubber stopper at the other end.

6.6 Special precautions for disposal and handling
During the use, position the
piston of the syringe on the rubber stopper of the cartridge.

7 - HOLDER OF MARKETING AUTHORIZATION
Laboratoires PRODUITS DENTAIRES PIERRE ROLLAND
Zone Industrielle du Phare
17 avenue Gustave Eiffel
33700 MERIGNAC - FRANCE

8 - FRENCH REGISTRATION ID NUMBER
500219-1: 1.8ml cartridge (colourless glass); box of 50.

9 - DATE OF FIRST AUTHORIZATION/OF RENEWAL OF AUTHORIZATION IN FRANCE
18 September 1997/18 September 2007

10 - DATE OF TEXT UP-DATING
19 April 2010

FRENCH CONDITIONS OF PRESCRIPTION AND DELIVERY
List II.
RESERVED FOR PROFESSIONAL DENTAL USE.

Xylorolland™ avec adrénaline

1 - DENOMINATION
XYLOROLLAND avec Adrénaline, injectable solution for dental use.

2 - QUALITATIVE AND QUANTITATIVE COMPOSITION
LIDOCAINE HYDROCHLORIDE 36.00000mg
ADRENALINE TARTRATE 0.04086mg as Adrenaline 0.02250mg for one cartridge containing 1.8ml.
For the complete list of excipients, see § 6.1.

3 - PHARMACEUTICAL FORM
Injectable solution.

4 - CLINICAL DATA
4.1 Therapeutic indications
Local or loco-regional anaesthesia in odonto-stomatological practice.

4.2 Dose and mode of administration
Reserved for adults or children over 4 as this type of anaesthesia is unsuitable before this age.

• Dose
Adults
The quantity to be injected must be adapted according to the extent of the procedure.
Usually, 1 to 3 cartridges per procedure.
Do not exceed the dose of 300mg of lidocaine hydrochloride per session.

Children (over 4)
The injected quantity depends on the child’s age, weight and the type of procedure performed.
The mean dose for a child is from 20 to 30mg of lidocaine hydrochloride per session.
The maximal dose in mg of lidocaine hydrochloride that can be administered in a child can be calculated as follow: child’s weight (in kilo) x 1.33
Do not exceed the dose of 2.2mg of lidocaine hydrochloride per kilogram of body weight.

Elderly subjects
Administer half of the dose indicated for adults.

• Mode of administration
LOCAL OR REGIONAL INTRA-ORAL SUBMUCOSAL INJECTION.
Verify the absence of vascular effraction by repeated aspiration tests, particularly during regional anaesthesia (nerve blocks).
The injection rate must not exceed 1ml of solution per minute.

4.3 Contraindications
This medicinal product is contraindicated in the case of hypersensitivity to local anaesthetics or to one of the constituents, and in the following situations:
• Severe disorders of atrioventricular conduction without a pacemaker.
• Epilepsy not controlled by treatment.
• Intermittent acute porphyria.
This medicinal product is usually unadvised in association with some medicinal products like guanethidine and related substances (see § 4.5).

4.4 Special warnings and precautions for use
• Warnings
THIS PRODUCT CONTAINS ADRENALINE.
Take the risk of local necrosis into account in hypertensive or diabetic subjects.
Anaesthesiophagy risks: all kind of bites (lips, cheeks, mucous, tongue); advise patients to avoid the use of chewing gum or eating food as long as the insensibility persists.
The use of this product is not recommended in children under the age of 4 years, as this type of anaesthesia is unsuitable before this age.
Avoid injection into infected and inflamed zones (decreased efficacy of the local anaesthetic).
Sportsmen must be advised that this medicinal product contains an active substance that can cause a positive reaction on anti-doping control tests.

• Precautions for use
The use of this product requires imperatively:
- to conduct a clinical interview to determine the clinical context, concomitant treatments and the patient's past history,
- to perform a test injection of 5 to 10% of the dose in the case of a risk of allergic reaction,
- to perform the injection slowly and strictly outside of the vessels, verifying by repeated aspirations,
- to maintain verbal contact with the patient.

Increased surveillance is required in subjects treated with anticoagulants (surveillance of the INR).

Due to the presence of adrenaline, precautions and increased surveillance in the following cases:
- all rhythm abnormalities, except bradycardia,
- coronary insufficiency,
- severe arterial hypertension.

The dose of lidocaine may need to be decreased in the case of severe hepatocellular insufficiency, due to the mainly hepatic metabolism of amide local anaesthetics.
The dose must also be decreased in the case of hypoxia, hyperkalaemia or metabolic acidosis.

The simultaneous administration of this anaesthetic with some products (see § 4.5) requires a close monitoring of the patient's clinical and biological state.

4.5 Interactions with other drugs or other interactions

• Associations not recommended

Due to the presence of adrenaline:
+ Guanethidine and related substances (for the treatment of glaucoma):

High increase of the blood pressure (hyper reactivity due to the reduction of the sympathetic tonus and/or to the inhibition of the adrenaline’s entrance in the sympathetic fibrous).

If the association can not be avoided, use with care lower doses of sympathomimetics (adrenaline).
• Associations with precautions for use

Due to the presence of adrenaline:
+ Halogened volatile anaesthetics:

Serious ventricular rhythm abnormalities (increase of the cardiac reactivity).

Precautions for use: Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Imipraminic anti-depressors:

Paroxystic hypertension with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline’s entrance in the sympathetic fibrous).

Precautions for use: Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.
+ Serotonergic-noradrenergic anti-depressors (described for minalcipran and venlafaxine):

Paroxystic hypertension with possibility of rhythm abnormalities (inhibition of the adrenaline or nor-adrenaline’s entrance in the sympathetic fibrous).

Precautions for use: Limit the dose, for example: less than 0.1mg of adrenaline in 10 minutes or 0.3mg in one hour in adult.

4.6 Pregnancy and breastfeeding

• Pregnancy

The studies carried out on animals do not show any teratogenic effect. Due to the absence of teratogenic effect on animals, a malformative effect on the human kind is not expected. Indeed, until today, the substances responsible of malformations on the human kind have been teratogens on animals during studies carried out on two species.

Clinically, the analysis of a high number of pregnancies has obviously shown no particular malformative or foetal toxic effect of the lidocaine. However, only epidemiological studies would allow verifying the absence of risk.

Consequently, in the odonto-stomatological indications, lidocaine should only be used during pregnancy if necessary.

• Breastfeeding

Like other local anaesthetics, lidocaine diffuses into breast milk in very small quantities; however, breastfeeding can be continued following the anaesthetic procedure.

4.7 Effects on ability to drive and use machines

This product can modify the ability to drive and use machines.

4.8 Undesirable effects

Like with all the anaesthetics used in odonto-stomatology, lipothymies can occur.

This product contains sodium metabisulphite, which can induce or accentuate anaphylactic reactions.

In the case of overdose or in certain predisposed patients, the following clinical signs may be observed:

• on the central nervous system: nervousness, agitation, yawning, tremor, apprehension, nystagmus, logorrhoea, headache, nausea, ringing in the ears. In the presence of these warning signs, the patient must be asked to hyperventilate,
and attentive surveillance is required to prevent possible deterioration with seizures followed by CNS depression.
• on the respiratory system: tachypnoea, then bradypnoea, possibly leading to apnoea.
• on the cardiovascular system: tachycardia, bradycardia, cardiovascular depression with arterial hypotension, possibly leading to collapse, arrhythmias (premature ventricular complexes, ventricular fibrillation), disorders of conduction (atrioventricular block). These cardiac manifestations can lead to cardiac arrest.

4.9 Overdose
Toxic reactions, witnesses of an overdose in local anaesthetic, can occur in two situations: either immediately, due to relative overdose resulting from accidental intravenous injection, or more delayed, corresponding to true overdose due to the use of an excessive quantity of anaesthetic.
Action in case of overdose
As soon as warning signs are observed, ask the patient to hyperventilate, place the patient in the supine position, when necessary. In the case of clonic seizures, oxygenation injection of a benzodiazepine.
Treatment may require intubation with assisted ventilation.

5 - PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties
LOCAL ANAESTHETICS, ATC Code: N01BB52
Lidocaine hydrochloride is a local anaesthetic with an aminoamide function that interrupts the spread of the nerve impulse along the nerve fibre at the injection site.
The addition of adrenaline to the lidocaine solution delays the passage of the lidocaine into the systemic circulation and maintains a prolonged active tissue concentration, allowing obtaining a less haemorrhagic operative field.
The anaesthesia is achieved within 1 to 3 minutes. The duration of anaesthesia allowing the surgical procedure is about 90 to 120 minutes and 5 to 10 minutes on the pulp.

5.2 Pharmacokinetic properties
Injected in the buccal mucosa, the lidocaine blood concentration peak is obtained within 10 to 15 minutes after the injection.
The elimination half-life of lidocaine hydrochloride is about 90 minutes.
Lidocaine hydrochloride is mainly metabolised in the liver; 5 to 10% of the dose are eliminated in the unchanged form in the urine.

5.3 Preclinical safety data
Studies carried out on animals have shown the good tolerance of lidocaine. Like other amide local anaesthetics, high doses of the active substances can induce toxic reactions on the central nervous system and/or cardiovascular system (see § 4.8).

6 - PHARMACEUTICAL DATA
6.1 List of excipients
Sodium chloride, sodium metabisulphite, sodium hydroxide/hydrochloric acid, water for injections
6.2 Incompatibilities
In the absence of compatibility studies, this drug should not be mixed with other drugs.
6.3 Shelf life
2 years.
6.4 Special storage precautions
Store at a temperature below 25°C and protected from light.
6.5 Nature and content of external packing
Cartridge full at 1.9ml, type I colourless glass with a bromobutyl rubber seal maintained by a crimping capsule at one end, and with a bromobutyl rubber stopper at the other end.

6.6 Special precautions for disposal and handling
During the use, position the piston of the syringe on the rubber stopper of the cartridge.

7 - HOLDER OF MARKETING AUTHORIZATION
Laboratoires PRODUITS DENTAIRES PIERRE ROLLAND
Zone Industrielle du Phare
17 avenue Gustave Eiffel
33700 MERIGNAC - FRANCE

8 - FRENCH REGISTRATION ID NUMBER
500211-0: 1.8ml cartridge (colourless glass); box of 50.

9 - DATE OF FIRST AUTHORIZATION/OF RENEWAL OF AUTHORIZATION IN FRANCE
15 October 1997/15 October 2007

10 - DATE OF TEXT UP-DATING
19 April 2010

FRENCH CONDITIONS OF PRESCRIPTION AND DELIVERY
List I.
RESERVED FOR PROFESSIONAL DENTAL USE.
1 - DENOMINATION
XYLOCONTACT, cream for dental use

2 - QUALITATIVE AND QUANTITATIVE COMPOSITION
LIDOCAINE 7.48g for 100g of cream for dental use. For the complete list of excipients, see chapter 6.1

3 - PHARMACEUTICAL FORM
Cream for dental use.

4 - CLINICAL DATA
4.1 Therapeutic indications
Local surface anaesthesia during:
- Infiltration anaesthesia
- Cutting and laying of crowns and bridge pillars
- Juxtagingival and subgingival scaling

4.2 Dosage and mode of administration
Strictly local use - Gingival route.
Dry the mucosa, then apply a small ball of cream approx. 2mm in diameter at the injection or working site.
Gently massage with a finger or a small cotton swab in order to achieve a fast and prolonged anaesthetic effect.
Anaesthesia is achieved in 1-2 minutes.
Use a small compress to remove the excess cream.

4.3 Contraindication
Hypersensitivity to a component of the formula, especially to lidocaine or to local anaesthetic agents.

4.4 Warnings and special indications for use
Do not swallow.
Take the risk of faster and stronger resorption of lidocaine on an injured oral mucosa into account.
Owing to the local anaesthesia, the patient may bite his/her lips, cheeks or tongue.
The attention of sportsmen must be drawn to the fact that the active ingredient contained in this medicament may lead to a positive reaction during tests performed within the scope of antidoping control.

4.5 Interactions with other drugs or other forms of interactions
Known interactions with lidocaine (antiarrhythmic, beta-blocking drugs) do not generally concern the use by local route on the mucosa of the oral cavity.
However, take the risk of systemic passage of the lidocaine in case of injured oral mucosa into account.

4.6 Pregnancy and breastfeeding
Due to the available data, the use in pregnant woman or nursing is possible.

4.7 Effects on ability to drive vehicles and use machines
Not concerned.

4.8 Undesirable effects
Risk of allergy.

4.9 Overdose
Under normal conditions of use in odontostomatology, no effect of overdose has been reported.
However, if a higher dose than the recommended doses is administered, potential signs of neurological or cardiovascular toxicity would then be treated by injection of a short-acting barbiturate or a benzodiazepine, oxygenation and assisted ventilation.

5 - PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties
Pharmacotherapeutic class: ANAESTHETIC FOR DENTAL USE (N: Central Nervous System)
Lidocaine: local anaesthetic of amino-amide group

5.2 Pharmacokinetic properties
After local application, the systemic absorption of the lidocaine is limited.
However, some parts of the mucosa could be more permeable than others.
The speed of resorption depends notably on the vascularization state.
Its metabolism is hepatic and its elimination urinary, essentially under metabolised form. The actives metabolites are the mono-ethyl-glycine-xylidine (MEGX) and the glycine-xylidine (GX).

5.3 Preclinical safety data
Studies carried out on animals have shown the good tolerance of lidocaine. Like other amide local anaesthetics, at high doses and particularly on injured skin, can induce toxic reactions on the nervous and cardiovascular systems.

6 - PHARMACEUTICAL DATA
6.1 List of excipients
Verbena aroma*, Glycerol and macrogol 4000 stearates, Purified water.
* Composition of the verbena aroma: citral (neral, geranial), lemon essential oil, alpha-terpineol, linalol.

6.2 Incompatibilities
Not concerned.

6.3 Shelf life
3 years

6.4 Special storage precautions
Store at a temperature below 25°C. Carefully reclose the tube after use.

6.5 Type and capacity of container
15g aluminium tube covered inside with an epoxyphenolic varnish with a polyethylene screw-cap.

6.6 Special precautions for disposal and handling
No special requirements.

7 - HOLDER OF MARKETING AUTHORIZATION
PRODUITS DENTAIRES PIERRE ROLLAND
ZI du Phare – 17 avenue Gustave Eiffel - 33700 MERIGNAC France

8 - FRENCH REGISTRATION ID NUMBER
500 298 – 9 : 15 g tube (varnished aluminium).

9 - DATE OF FIRST AUTHORIZATION/OF RENEWAL OF AUTHORIZATION
18 September 1997/ 18 September 2013
ACTEON® EQUIPMENT has always designed tips that respect the tooth’s anatomy and vibrate in perfect harmony with the handpiece. The potential imperfections in compatibility of brand x tips, both physical and electronic, may cause risks and premature wear of equipment.

Risks for the patient
- Risk of damaging patient’s tissues (enamel, cement, etc.).
- Risk of breaking the tip, possibly with the broken piece being swallowed or inhaled by the patient, or lost in the tissues.

Risk for the equipment
Risk of handpiece heating (meaning a loss in electromechanical output), which could lead to handpiece damage.

Loss of efficiency
Tip wear alters its efficiency (-2mm = -50% efficiency), reduces its roughness, vibration and movement. Understandably, ACTEON® EQUIPMENT’s liability - both legal and with regard to warranty of parts and accessories - cannot be engaged for damages that arise from the use of any other than genuine accessories.

You always come back to ACTEON® EQUIPMENT tips.
WEAR GUIDE

Fit the tip to the handpiece and place it on the edge of the card over the relevant diagram.