DIABETES MELLITUS

- Diabetes Mellitus (DM) is a major public health problem.

- Patients with DM are more affected by coronary artery disease and when treated by PCI with stent implantation they remain at higher risk for in-stent restenosis and adverse cardiovascular events.\textsuperscript{[10-31]}

- The etiology of this failure is likely to be multifactorial such as diffuse disease progression, smaller vessel and endothelial dysfunction.\textsuperscript{[4-9]}

- The presence of DM (particularly insulin-treated DM) has been a consistent, independent predictor of in-stent restenosis.\textsuperscript{[10]}

KEY FACTS-DM

- 415 million people worldwide, or one in eleven adults are estimated to have DM.

- If the current trend in diabetes prevalence continues, by 2040 some 642 million people, or one adult in ten, will have diabetes.\textsuperscript{[11]}

References

ENVISOLUTION TECHNOLOGY
Enhanced Drug Delivery Technology With Homogeneous Drug Coating

**ABLUMINAL COATING**
Facilitates directional drug release and less systemic exposure of drug leading to faster re-endothelialisation

**FUSION COATING**
Coating on the stent and exposed parts of the balloon facilitate homogeneous drug delivery which address diffused proliferative disease and focal restenosis

**EDGE COATING**
The extra 0.5mm coating on the edge of the balloon which addresses the edge restenosis

**BIODEGRADABLE FILM**
The formation of Sirolimus circular film with biodegradable polymer facilitates maximum drug delivery in blood wet conditions
TECHNICAL SPECIFICATIONS

Drug/Polymer
Drug: Sirolimus
Drug Dose: 0.70 μg/mm²
Drug Carrier: Customized biodegradable polymer matrix

Stent
Stent Material: Cobalt Chromium Alloy L605
Strut Thickness: 73 μm
Strut Width: 80 μm (hinge)-120 μm (strut)
Average Recoil: Less than 5%
Average Foreshortening: Less than 1% (Zero foreshortening design)

Delivery System
Delivery System: RX stent delivery system
Nominal Pressure: 8 bar
Rated Burst Pressure: 14 bar
Guide Wire Compatibility (max.): 0.014”
Guiding Catheter Compatibility: 5F
Stent Diameter (mm): 2.25, 2.50, 2.75, 3.00, 3.50, 4.00
Stent Length (mm): 8, 12, 16, 20, 24, 28, 32, 36, 40
Crossing Profile: *0.038”
Entry Profile: 0.016”

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Stent Diameter</th>
<th>Stent Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8mm**</td>
</tr>
<tr>
<td>2.25 mm</td>
<td>EAB22508</td>
</tr>
<tr>
<td>2.50 mm</td>
<td>EAB25008</td>
</tr>
<tr>
<td>2.75 mm</td>
<td>EAB27508</td>
</tr>
<tr>
<td>3.00 mm</td>
<td>EAB30008</td>
</tr>
<tr>
<td>3.50 mm</td>
<td>EAB35008</td>
</tr>
<tr>
<td>4.00 mm</td>
<td>EAB40008</td>
</tr>
</tbody>
</table>

The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings and user instruction can be found in the product labelling/IFU supplied with each device. For restricted use only in countries where product registered with applicable health authorities. All cited trademarks are the property of their respective owners.
* 3 mm Abluminus.
** Upon requirement only.