

ABLUMINUS DES+

DESIGNED TO TREAT DIABETIC PATIENTS



REDEFINING BOUNDARIES

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.^[1-3]
- The etiology of this failure is likely to be multifactorial such as diffuse disease progression, smaller vessel and endothelial dysfunction.^[4-9]
- The presence of DM (particularly insulin-treated DM) has been a consistent, independent predictor of in-stent restenosis.^[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.*^[11]

References

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3. Lee TT et al. *Am J Cardiol* 2006; 98: 718–21.
4. Morgan KP et al. *Heart* 2004; 90: 732–8.
5. Hadi H a R et al. *Vasc Health Risk Manag* 2007; 3: 853–76.
6. Schalkwijk CG et al. *Al Clin Sci* 2005; 109: 143–59.
7. Dangas GD et al. *J. Am. Coll. Cardiol.* 2010; 56: 1897–907.
8. Lightell DJ et al. *Ochsner J* 2013; 13: 56–60.
9. Denardo SJ et al. *JAMA* 2012; 307: 2148–50.
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**ON LABEL INDICATION
FOR DM AND AMI**

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



EDGE COATING

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



FUSION COATING

Coating on the stent and exposed parts of the balloon facilitate homogenous drug delivery which address diffused proliferative disease and focal 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/mm ²
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

Stent Diameter	Stent Length								
	8mm**	12mm	16mm	20mm	24mm	28mm	32mm	36mm	40mm
2.25 mm	EAB22508	EAB22512	EAB22516	EAB22520	EAB22524	EAB22528	EAB22532	EAB22536	EAB22540
2.50 mm	EAB25008	EAB25012	EAB25016	EAB25020	EAB25024	EAB25028	EAB25032	EAB25036	EAB25040
2.75 mm	EAB27508	EAB27512	EAB27516	EAB27520	EAB27524	EAB27528	EAB27532	EAB27536	EAB27540
3.00 mm	EAB30008	EAB30012	EAB30016	EAB30020	EAB30024	EAB30028	EAB30032	EAB30036	EAB30040
3.50 mm	EAB35008	EAB35012	EAB35016	EAB35020	EAB35024	EAB35028	EAB35032	EAB35036	EAB35040
4.00 mm	EAB40008	EAB40012	EAB40016	EAB40020	EAB40024	EAB40028	EAB40032	EAB40036	EAB40040

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* 3 mm Abluminus.

** Upon requirement only.

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