

biomimeTM
Sirolimus Eluting Coronary Stent System

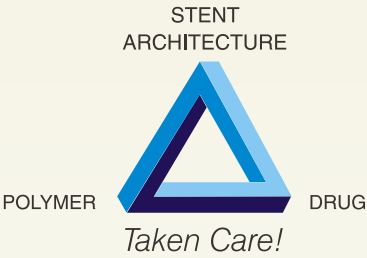
Meril

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Sirolimus Eluting Coronary Stent System

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Mimes so well, you can't tell.



In BioMimeTM, the polarized triad of DES design is taken care of!



Superior DES Design Substantiated by Sound Clinical Performance

merit-1 Prospective, single center primary safety and efficacy trial.

N = 30. Single de-novo lesions, stent diameters 2.50 - 3.50 mm, stent lengths 13 – 24 mm	
Primary Treatment Influencing Risk Factors	
Diabetics	30%
Hypertensives	53%
Smokers	23%
Acute Coronary Syndrome	70%
Results	
High Safety	High Efficacy
● 0% MACE at 2 years No Death, MI, Revascularisations or ST	● 0.15mm in-stent Late Loss at 8-months QCA ● 0% Binary Restenosis

Ref. Merit-1 data presentation TCT 2011.

Labels on diagram:

- Closed Cell
- Open Cell
- Hybrid cell design
- 65 µm strut thickness Cobalt Chromium stent
- 0.29% Forshortening
- 3% Recoil
- Fully expanded stent
- Morphology Mediated ExpansionTM for optimal conformability
- Crimped stent
- Optimal scaffolding, wall apposition with superior acute gain
- Sirolimus 1.25 µg/mm² of stent surface, 30-days elution kinetics
- Stable, elastic non-inflammatory BioPolyTM- Biodegradable coating, 2 µm thick.
- Chemical structures: PLLA and PLGA
- Also available in 40mm lengths.
- Available in 54 sizes-
Diameters (mm) : 2.50, 2.75, 3.00, 3.50, 4.00, 4.50
Lengths (mm) : 8, 13, 16, 19, 24, 29, 32, 37, 40

BIOMIME™ TECHNICAL SPECIFICATIONS

STENT

Stent Material	: Cobalt Chromium L605
Strut Thickness	: 65 µm (0.065mm or 0.0026")
Stent Diameters (mm)	: 2.50, 2.75, 3.00, 3.50, 4.00, 4.50
Stent Lengths (mm)	: 8, 13, 16, 19, 24, 29, 32, 37, 40
Mean Recoil	: 3%
Mean foreshortening	: 0.29%



DRUG / POLYMER

Drug	: Sirolimus
Equivalent Drug Dose	: 1.25 µg/mm²
Polymer	: BioPoly™ (Biodegradable + Biocompatible)

DELIVERY SYSTEM

Delivery System	: Rapid Exchange
Stent Diameter	: Crossing Profile
mm	mm/inches
2.50	0.91 mm / 0.036"
2.75	0.98 mm / 0.039"
3.00	0.99 mm / 0.039"
3.50	1.06 mm / 0.042"
4.00	1.16 mm / 0.046"
4.50	1.19 mm / 0.047"
Nominal Pressure	: 9 ATM
Rated Burst Pressure	: 16 ATM (14 ATM for diameter 3.5mm with lengths >35mm; Diameter 4.0mm with lengths >30mm and Diameter 4.5mm with all lengths)
Balloon overhang	: < 0.5 mm
Shaft outer diameter	: Proximal 1.95 F / Distal 2.7 F
Radiopaque markers	: 2 – Platinum / Iridium
Usable Catheter length	: 140 cms
Guide Catheter Compatibility	: 5 F (Min. I. D. 0.056" / 1.42 mm)
Max. Guide Wire	: 0.014" (0.36 mm)

BIOMIME™ STENT ORDERING INFORMATION

Dia / Length	8mm	13mm	16mm	19mm	24mm
2.50mm	BIO25008	BIO25013	BIO25016	BIO25019	BIO25024
2.75mm	BIO27508	BIO27513	BIO27516	BIO27519	BIO27524
3.00mm	BIO30008	BIO30013	BIO30016	BIO30019	BIO30024
3.50mm	BIO35008	BIO35013	BIO35016	BIO35019	BIO35024
4.00mm	BIO40008	BIO40013	BIO40016	BIO40019	BIO40024
4.50mm	BIO45008	BIO45013	BIO45016	BIO45019	BIO45024

Dia / Length	29mm	32mm	37mm	40mm
2.50mm	BIO25029	BIO25032	BIO25037	BIO25040
2.75mm	BIO27529	BIO27532	BIO27537	BIO27540
3.00mm	BIO30029	BIO30032	BIO30037	BIO30040
3.50mm	BIO35029	BIO35032	BIO35037	BIO35040
4.00mm	BIO40029	BIO40032	BIO40037	BIO40040
4.50mm	BIO45029	BIO45032	BIO45037	BIO45040



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