

meriT Trails:
Consistent clinical safety & efficacy in more than 1650 patients up to 5 years.

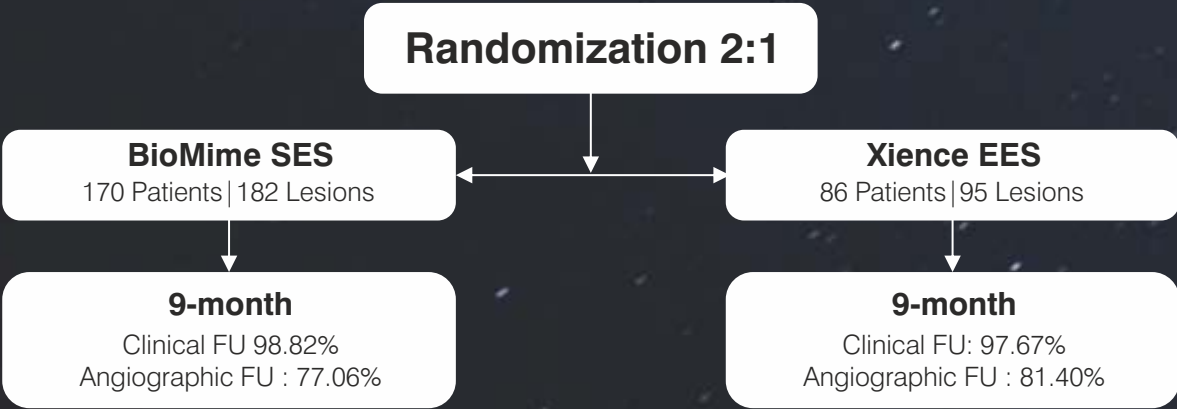
meriT-I	meriT-II	meriT-III
- Single center, FIM 30 Patients(30Lesions) 8-month angiographic FU 2-year clinical FU Key results (1-yr. n=28) ▲ B2/C: 76.7% ▲ MACE: 0% ▲ TLR: 0% ▲ ST: 0% 1-year: Dani S, Costa RA, Joshi H, et al. EuroIntervention 2013;9:493-500	- Multicenter (11 centers) 250 patients(355 lesion) 8-month angiographic FU 5-year clinical FU Key results (1-yr. n=214) ▲ B2/C: 63.4% ▲ MACE: 8.9% ▲ TLR: 6.1% ▲ ST: 0.5% 1-year: Seth A, Costa RA, Kaul U, et al. AsialIntervention 2016;2:19-27	- Multicenter (15 centers) 1161 patients(1312 lesions) - Real-world registry 1-year clinical FU Key results (1-yr.) ▲ 41.1% diabetics ▲ 52.5 % hypertensive ▲ MACE: 2.35% ▲ TLR: 0.5% ▲ ST: 0.1% 1-year: Jain RK, Chakravarthi P, Shetty R, et al. Indian Heart J 2016;68:599–603

meriT-V RCT

Non-Inferiority of BioMime SES versus XIENCE EES Proven

Prospective | Randomized | Multicenter Trial

12 sites in Europe (Netherlands, Belgium, UK, Spain, Latvia, Macedonia, Czech Republic & Poland) and 3 sites in Brazil



Clinical Outcomes	9-month (n=252)	
	BioMime SES (n=168)	XIENCE SES (n=84)
MACE	5 (2.98%)	6 (7.14%)
Cardiac Death	0	0
MI	1 (0.60%)	4 (4.76%)
ID-TLR	4 (2.38%)	2 (2.38%)
ID- TVR (non-TLR)	0	0
Stent Thrombosis	0	0

Source : Abizaid AA, Kedev S, Kedhi E, et al. Eurontervention 2018; 14 : 21207-e14.

BioMime™ TECHNICAL SPECIFICATIONS

STENT	
Stent Material	: Cobalt Chromium (L605)
Strut Thickness	: 65µm (0.065mm or 0.026")
Stent Diameter (mm)	: 2.00, 2.25, 2.50, 2.75, 3.00, 3.50, 4.00, 4.50
Stent Length (mm)	: 8, 13, 16, 19, 24, 29, 32, 37, 40, 44, 48
Mean Recoil	: 3.38%
Mean Foreshortening	: 0.29%

DRUG/POLYMER	
Drug	: Sirolimus
Equivalent Drug Dose	: 1.25 µg/ mm²
Polymer	: Biodegradable & Biocompatible (PLLA + PLGA)

DELIVERY SYSTEM	
Delivery System	: Rapid Exchange
Nominal Pressure	: 9 atm (Refer IFU)
Rated Burst Pressure	: Rated Burst Pressure: 14/16 atm*
<i>*RBP 14 atm for 4.50 mm diameter, all lengths.</i>	
<i>*RBP 14 atm for all diameter with length >40mm. (Refer IFU for more details)</i>	
Balloon Overhang	: ≤ 0.5 mm
Shaft Outer Diameter	: Proximal: 2.13 F Distal: 2.7 F (Refer IFU for more details)

Radiopaque Markers	: Two Platinum / Iridium Markers																				
Usable Catheter Length	: 142 cm (Refer IFU for more details)																				
Shaft Outer Profile	:																				
Proximal 1.98F (All balloon Dia with length <41mm)																					
Proximal 2.13F (All balloon Dia with length >41mm)																					
Distal 2.4F (2.00 mm Dia with length <41mm)																					
Distal 2.7F (2.00 mm Dia with length > 41mm, 2.25 to 4.50 mm Dia; all length)																					
Guide Catheter Compatibility	: 5F (Min. I. D. 0.056" / 1.42 mm)																				
Tip Entry Profile	: 0.016"																				
Crossing Profile	<table><tr><td>Stent Diameter</td><td>Crossing Profile</td></tr><tr><td>2.00 mm</td><td>0.83mm/0.033"</td></tr><tr><td>2.25 mm</td><td>0.85mm/0.033"</td></tr><tr><td>2.50 mm</td><td>0.91mm/0.036"</td></tr><tr><td>2.75 mm</td><td>0.98mm/0.039"</td></tr><tr><td>3.00 mm</td><td>0.99mm/0.039"</td></tr><tr><td>3.50 mm</td><td>1.06mm/0.042"</td></tr><tr><td>4.00 mm</td><td>1.16mm/0.046"</td></tr><tr><td>4.50 mm</td><td>1.19mm/0.047"</td></tr><tr><td>0.014" (0.36)</td><td></td></tr></table>	Stent Diameter	Crossing Profile	2.00 mm	0.83mm/0.033"	2.25 mm	0.85mm/0.033"	2.50 mm	0.91mm/0.036"	2.75 mm	0.98mm/0.039"	3.00 mm	0.99mm/0.039"	3.50 mm	1.06mm/0.042"	4.00 mm	1.16mm/0.046"	4.50 mm	1.19mm/0.047"	0.014" (0.36)	
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Max. Guidewire : 0.014" (0.36)

BioMime™ ORDERING INFORMATION

Dia/Length	8 mm	13 mm	16 mm	19 mm	24 mm	29 mm
2.00 mm	-	BIO20013	BIO20016	BIO20019	BIO20024	BIO20029
2.25 mm	BIO22508	BIO22513	BIO22516	BIO22519	BIO22524	BIO22529
2.50 mm	BIO25008	BIO25013	BIO25016	BIO25019	BIO25024	BIO25029
2.75 mm	BIO27508	BIO27513	BIO27516	BIO27519	BIO27524	BIO27529
3.00 mm	BIO30008	BIO30013	BIO30016	BIO30019	BIO30024	BIO30029
3.50 mm	BIO35008	BIO35013	BIO35016	BIO35019	BIO35024	BIO35029
4.00 mm	BIO40008	BIO40013	BIO40016	BIO40019	BIO40024	BIO40029
4.50 mm	BIO45008	BIO45013	BIO45016	BIO45019	BIO45024	BIO45029

Dia/Length	32 mm	37 mm	40 mm	44 mm	48 mm
2.00 mm	BIO200032	BIO200037	BIO200040	BIO200044	BIO200048
2.25 mm	BIO225032	BIO225037	BIO225040	BIO225044	BIO225048
2.50 mm	BIO250032	BIO250037	BIO250040	BIO250044	BIO250048
2.75 mm	BIO275032	BIO275037	BIO275040	BIO275044	BIO275048
3.00 mm	BIO300032	BIO300037	BIO300040	BIO300044	BIO300048
3.50 mm	BIO350032	BIO350037	BIO350040	BIO350044	BIO350048
4.00 mm	BIO400032	BIO400037	BIO400040	BIO400044	BIO400048
4.50 mm	BIO450032	BIO450037	BIO450040	BIO450044	BIO450048

Contact your country local Meril sales representative for availability of sizes highlighted in Yellow

BioMime™ is a registered trademark of Meril Life Sciences Pvt. Ltd.

Meril

More to Life

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For the use of a Registered Medical Practitioner of Hospital or Laboratory only

BIO-L/BROCHURE 003/MLS/20200907/GLOBAL

CE

biomime™
Sirolimus Eluting Coronary Stent System

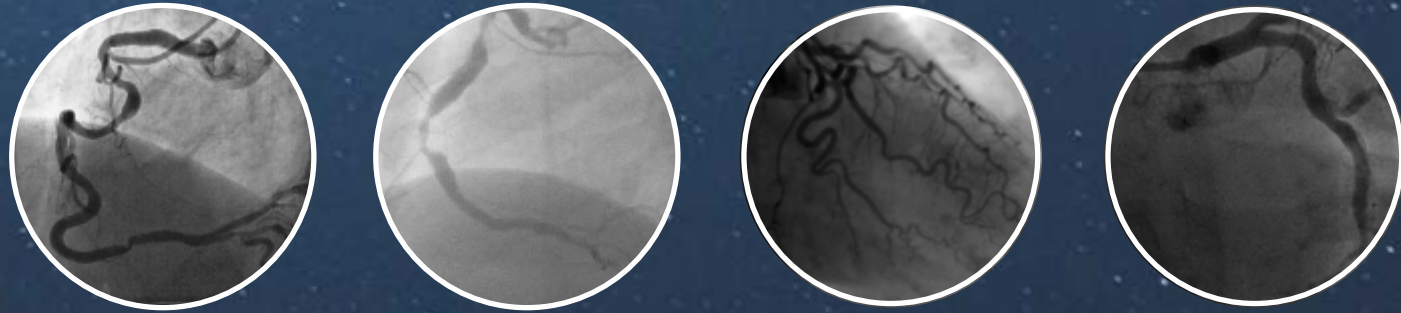
Delivered As Desired



biomime™

Sirolimus Eluting Coronary Stent System

With BioMime™, now complex lesions can be treated with ease.
Achieves acute procedural success with proven long term clinical safety and efficacy.



Hybrid cell design comprising of an intelligent mix of open and close cells resulting in excellent radial strength with a high flexibility



0.016" Tip Entry Profile



Elongated distal tip:
Biomime Xepedient : 3.5 ± 0.5 mm for balloon diameter 2.25 mm to 4.50 mm,
Taper balloon and 5.00 ± 0.5 mm for balloon diameter 2.00 mm
Biomime Lineage : 7.00 ± 0.5 mm
Biomime Natec : 5.20 ± 1.00 mm

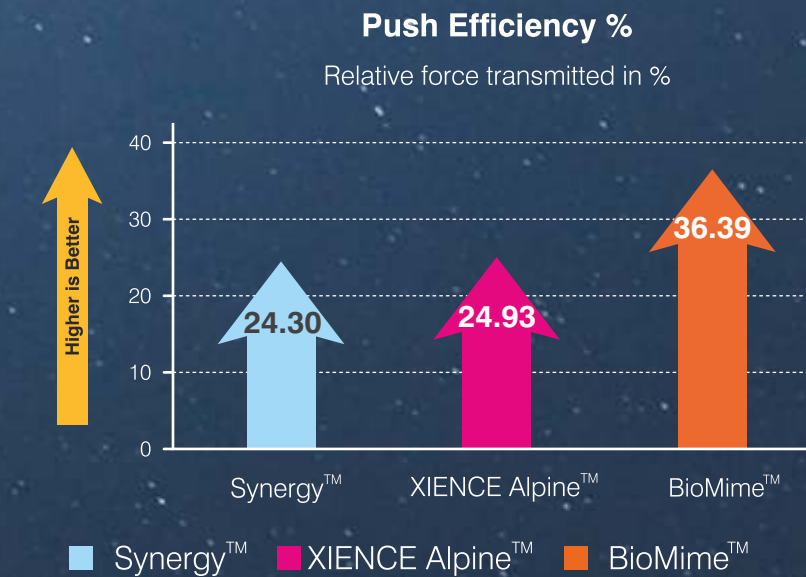


Reinforced hypo tube for improved hub-to-tip force transfer

New Monolithic Delivery System for enhanced pushability and excellent kink resistance

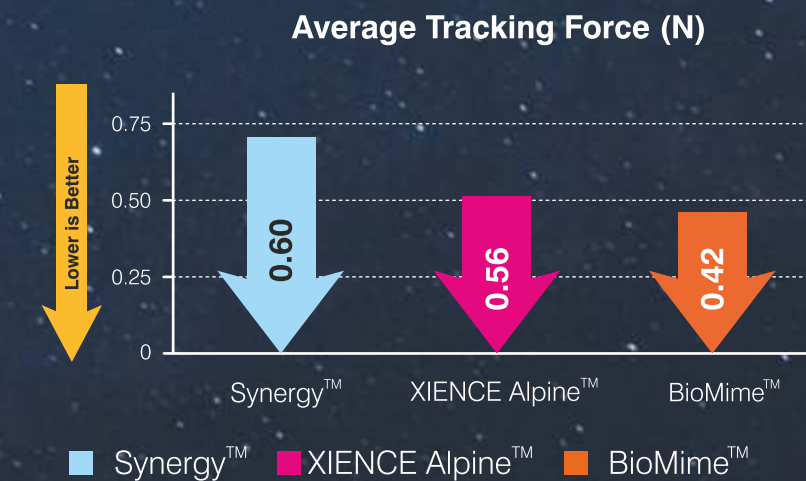


Improved Pushability from hub-to-tip*



50%
Better Push
Efficiency

Improved Trackability in difficult anatomies*



30%
Lesser
Tracking Force^s

* Tests performed by and data on file at Meril Life Sciences Pvt. Ltd.
XIENCE Alpine™ is a trademark of Abbott Laboratories.
Synergy™ is a trademark of Boston Scientific.
^s Test performed using Lineage delivery system.

Proven BioMime™ Stent Design

- 65µm Strut Thickness for All Sizes
- Biodegradable Polymer Coating
- Sirolimus Drug Elution ($1.25\mu\text{g}/\text{mm}^2$)
- Morphology Mediated Expansion

