

Meril

Cardiovascular

biomimetic LineageTM

Sirolimus Eluting Coronary Stent System

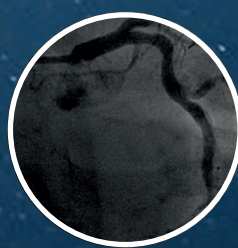
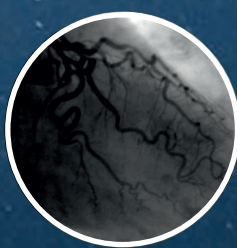
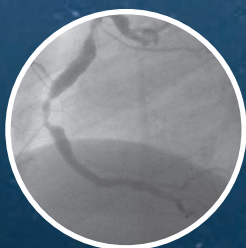
Delivered As Desired



biomime LineageTM

Sirolimus Eluting Coronary Stent System

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

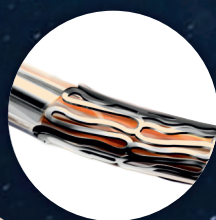


Elongated distal tip (7mm)
for crossing complex lesions

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

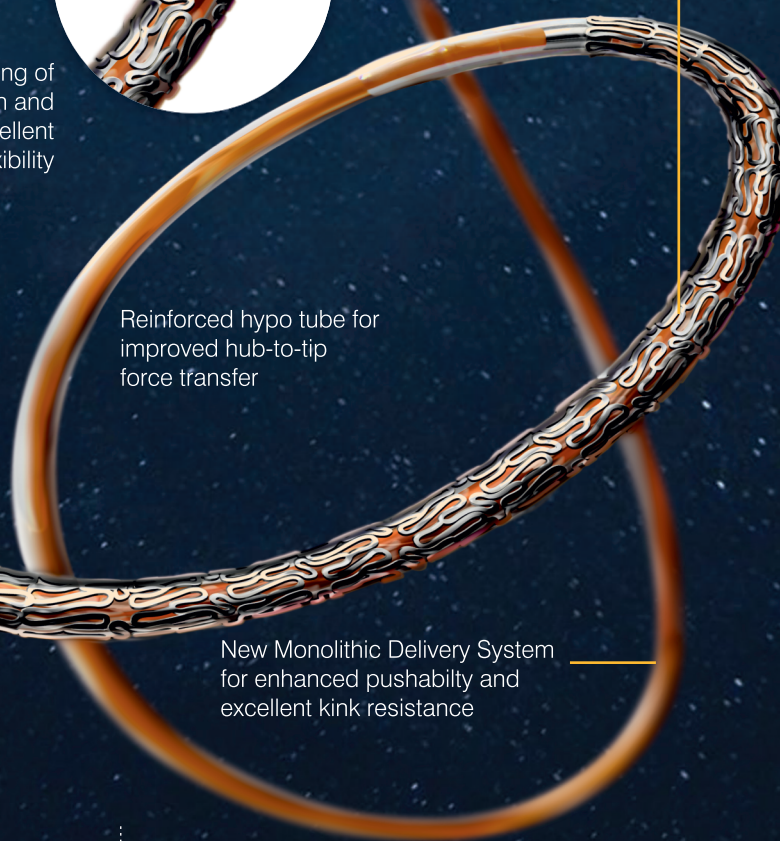


Reinforced hypo tube for
improved hub-to-tip
force transfer

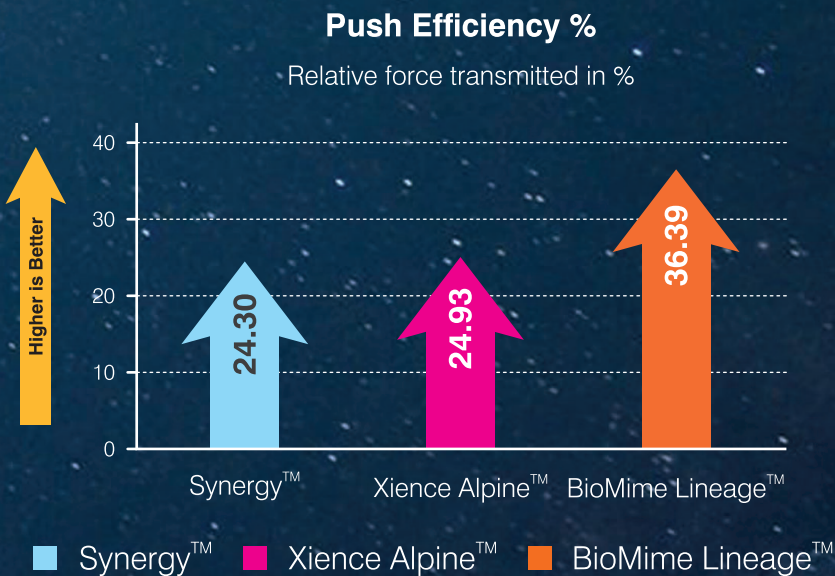


0.016" Tip Entry Profile

New Monolithic Delivery System
for enhanced pushability and
excellent kink resistance

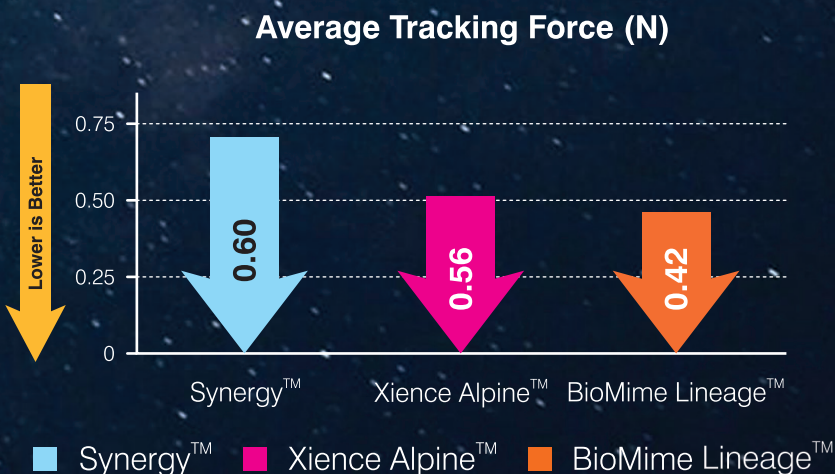


Improved Pushability from hub-to-tip*



50%
Better Push
Efficiency

Improved Trackability in difficult anatomies*

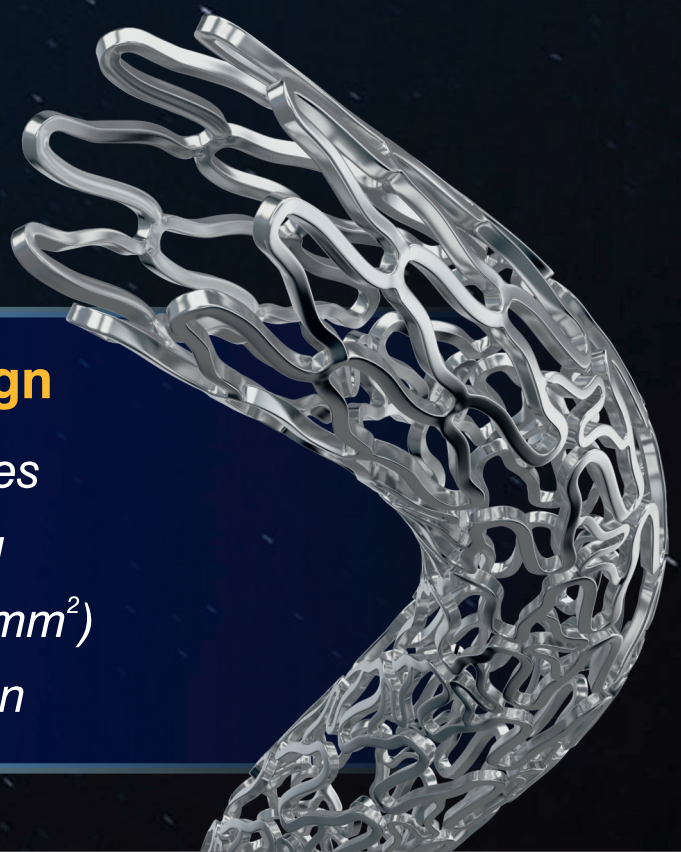


30%
Lesser
Tracking Force

* 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.

Proven BioMime™ Stent Design

- 65µm Strut Thickness for All Sizes
- Biodegradable Polymer Coating
- Sirolimus Drug Elution (1.25µg/mm²)
- Morphology Mediated Expansion



meriT Trials:

Consistent clinical safety and efficacy in more than 1650 patients up to 5 years.

meriT-1

- Single center, FIM
- 30 Patients (30 Lesions)
- 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

meriT-2

- 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.
AsiaIntervention 2016;2:19-27

meriT-3

- Multicenter (15 centers)
- 1161 patients (1312 lesions)
- Real-world registry
- 1-year clinical FU

Key results (1-yr., n=1161)

- ▲ 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 I Randomized I Multicenter Trial

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

Randomization 2:1

BioMime SES
170 patients | 182 Lesions

9-month
Clinical FU: 98.82%
Angiographic FU: 77.06%

XIENCE EES
86 patients | 95 lesions

9-month
Clinical FU: 97.67%
Angiographic FU: 81.40%

Clinical Outcomes	9-month (n=252)	
	BioMime SES (n=168)	XIENCE EES (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. *EuroIntervention* 2018;14:e1207-e14.

BioMime Lineage™ TECHNICAL SPECIFICATIONS

STENT

Stent Material	: Cobalt Chromium L605
Strut Thickness	: 65 µm (0.065mm or 0.0026")
Stent Diameters (mm)	: 2.00, 2.25, 2.50, 2.75, 3.00, 3.50, 4.00, 4.50
Stent Lengths (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/mm ²
Polymer	: Biodegradable and Biocompatible

DELIVERY SYSTEM

Delivery System	: Rapid Exchange
Nominal Pressure	: 9 atm (Refer IFU for more details)
Rated Burst Pressure	: 14 / 16 atm depending upon size and length of stent (Refer IFU for more details)
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)
Guide Catheter Compatibility	: 5F (Min. I. D. 0.056" / 1.42 mm)
Tip Entry Profile	: 0.016"
Crossing Profile	: Stent Diameter Crossing Profile
	2.00mm 0.83mm/0.033"
	2.25mm 0.85mm/0.033"
	2.50mm 0.91mm/0.036"
	2.75mm 0.98mm/0.039"
	3.00mm 0.99mm/0.039"
	3.50mm 1.06mm/0.042"
	4.00mm 1.16mm/0.046"
	4.50mm 1.19mm/0.047"

Max. Guidewire : 0.014" (0.36 mm)

BioMime Lineage™ ORDERING INFORMATION

Diameter/ Length	8 mm	13 mm	16 mm	19 mm	24 mm	29 mm
2.00 mm	-	BIL20013	BIL20016	BIL20019	BIL20024	BIL20029
2.25 mm	BIL22508	BIL22513	BIL22516	BIL22519	BIL22524	BIL22529
2.50 mm	BIL25008	BIL25013	BIL25016	BIL25019	BIL25024	BIL25029
2.75 mm	BIL27508	BIL27513	BIL27516	BIL27519	BIL27524	BIL27529
3.00 mm	BIL30008	BIL30013	BIL30016	BIL30019	BIL30024	BIL30029
3.50 mm	BIL35008	BIL35013	BIL35016	BIL35019	BIL35024	BIL35029
4.00 mm	BIL40008	BIL40013	BIL40016	BIL40019	BIL40024	BIL40029
4.50 mm	BIL45008	BIL45013	BIL45016	BIL45019	BIL45024	BIL45029

Diameter/ Length	32 mm	37 mm	40 mm	44 mm	48 mm
2.00 mm	BIL20032	BIL20037	BIL20040	BIL20044	BIL20048
2.25 mm	BIL22532	BIL22537	BIL22540	BIL22544	BIL22548
2.50 mm	BIL25032	BIL25037	BIL25040	BIL25044	BIL25048
2.75 mm	BIL27532	BIL27537	BIL27540	BIL27544	BIL27548
3.00 mm	BIL30032	BIL30037	BIL30040	BIL30044	BIL30048
3.50 mm	BIL35032	BIL35037	BIL35040	BIL35044	BIL35048
4.00 mm	BIL40032	BIL40037	BIL40040	BIL40044	BIL40048
4.50 mm	BIL45032	BIL45037	BIL45040	BIL45044	BIL45048

Meril

More to Life

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