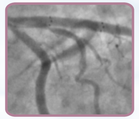
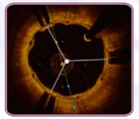
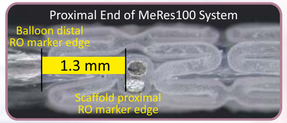
MeRes100 - BRS Enhanced Radiopacity



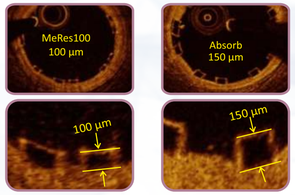


MeRes100 couplets of tri-axial RO markers at either end of the scaffold, gives a sense of virtual tubing and high operator comfort.

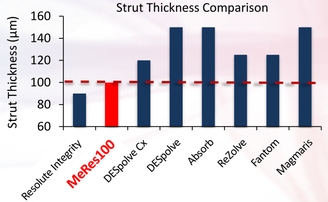


Distance from edge of Balloon RO marker (both proximal & distal) to edge of Scaffold RO = 1.3 mm

MeRes100 - BRS Best-in-the-Class Strut Thickness



MeRes100 is a 100 µm strut thickness scaffold with a propensity to minimize vascular injury & ensure early endothelialization.

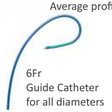


Unique manufacturing process, novel hybrid design concept incorporating strut width variability allows for best-in-class, ***DES-like strut thickness*** in MeRes100.

MeRes100 - BRS Best-in-the-Class Crossing Profile

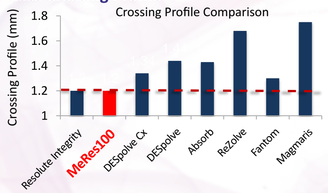


Average profile of 1.2 mm for Ø 3.00 mm



6Fr
Guide Catheter
for all diameters





Unique crimping process, novel hybrid design concept incorporating low strut thickness allows for best-in-class, ***DES-like crossing profile*** in MeRes100.

MeRes100 - BRS TECHNICAL SPECIFICATIONS

SCAFFOLD BACKBONE

Scaffold Material	: BioResorbable PLLA (Poly L-lactide)
Scaffold Strut Thickness	: 100 µm
Scaffold Diameters	: 2.50, 2.75, 3.00, 3.25, 3.50, 4.00, 4.50 mm
Scaffold Lengths	: 13, 16, 19, 24, 29, 32, 37, 40 mm

SCAFFOLD RO MARKERS

Tri-axial RO Markers	: Platinum (Couplets of tri-axial RO markers at either end, 120° apart from each other)

TOP COAT-DRUG+POLYMER

Drug	: Sirolimus
Equivalent Drug Dose	: 1.25 µg / mm^2
Polymer	: BioResorbable PDLLA (Poly D, L-lactide)

DELIVERY SYSTEM

Delivery System	: Rapid Exchange
Nominal Pressure (NP)	: 9 atm
Rated Burst Pressure (RBP)	: 16 atm
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 cm
Guide Catheter Compatibility	: 6 F (Min. I D 0.070" / 1.8 mm)
Max. Guidewire	: 0.014" (0.36 mm)

MeRes100 - BRS ORDERING INFORMATION

Dia / Lengths	13 mm	16 mm	19 mm	24 mm
2.50 mm	MRL25013	MRL25016	MRL25019	MRL25024
2.75 mm	MRL27513	MRL27516	MRL27519	MRL27524
3.00 mm	MRL30013	MRL30016	MRL30019	MRL30024
3.25 mm	MRL32513	MRL32516	MRL32519	MRL32524
3.50 mm	MRL35013	MRL35016	MRL35019	MRL35024
4.00 mm	MRL40013	MRL40016	MRL40019	MRL40024
4.50 mm	MRL45013	MRL45016	MRL45019	MRL45024

Dia / Lengths	29 mm	32 mm	37 mm	40 mm
2.50 mm	MRL25029	MRL25032	MRL25037	MRL25040
2.75 mm	MRL27529	MRL27532	MRL27537	MRL27540
3.00 mm	MRL30029	MRL30032	MRL30037	MRL30040
3.25 mm	MRL32529	MRL32532	MRL32537	MRL32540
3.50 mm	MRL35029	MRL35032	MRL35037	MRL35040
4.00 mm	MRL40029	MRL40032	MRL40037	MRL40040
4.50 mm	MRL45029	MRL45032	MRL45037	MRL45040

1. OCT Image courtesy of Dr. Daniel Chamié, Dante Pazzanese Institute of Cardiology, Sao Paulo, Brazil. 2. Data on file at Meril Life Sciences Pvt. Ltd.
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CE 1783

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MeRes100™

Sirolimus Eluting BioResorbable Vascular Scaffold System

Meril



More to Life

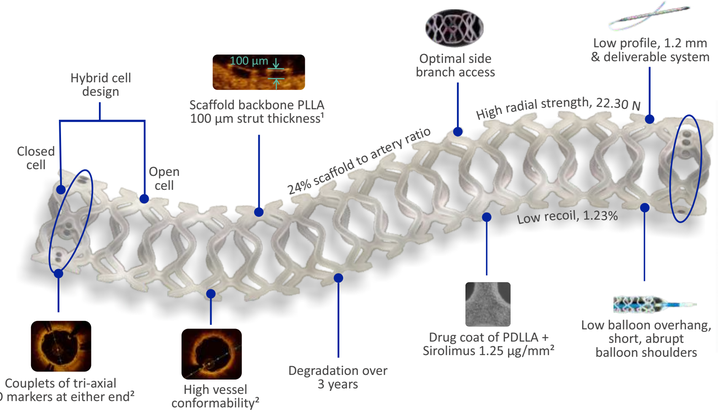


MeRes100™

Sirolimus Eluting BioResorbable Vascular Scaffold System

Simply Sublime.

Next Generation BioResorbable Scaffold.



Size Matrix

Diameters - 2.50, 2.75, 3.00, 3.25, 3.50, 4.00, 4.50 mm

Lengths - 13, 16, 19, 24, 29, 32, 37, 40 mm

MeRes-1

MeRes-1 first-in-man safety and efficacy study in patients with single, de-novo coronary lesion (in up to two vessels) treated by MeRes100 - BRS.

N = 108, Prospective, Non-Randomized, Multi-Centre Study (16 Investigating sites in India)

Primary Demographics-Treatment Influencing Factors
Diabetics (28%), Hypertensive (42%), Dyslipidemics (13%), Smokers (17%)

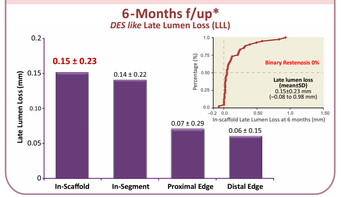
Lesion characteristics-Lesion class A (7%), B1 (32%), B2 (56%), C (5%)

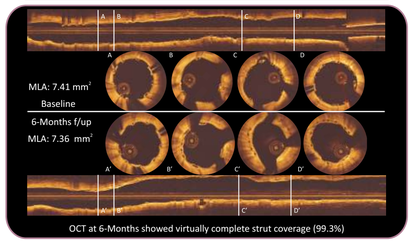
Post Dilatation 108 (100%) and **Device Success** 108 (100%)

Clinical Endpoint at 1-Year*

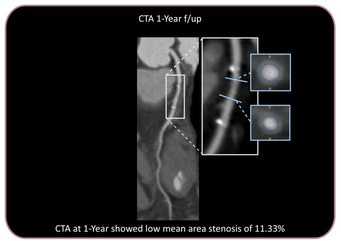
Clinical Endpoint MACE, n (%)	In-Hospital N = 108 (100%)	1-Month N = 108 (100%)	6-Months N = 108 (100%)	1-Year N= 107 (99%)
MACE Composite of	**0 (0%)**	**0 (0%)**	**0 (0%)**	**1 (0.93%)**
Cardiac Death	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Myocardial Infarction@	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Ischemia-driven TLR	0 (0%)	0 (0%)	0 (0%)	1 (0.93%)
Ischemia-driven TVR	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Scaffold Thrombosis$	**0 (0%)**	**0 (0%)**	**0 (0%)**	**0 (0%)**
Non-cardiac death	0 (0%)	0 (0%)	1^ (0.9%)	0 (0%)

Late Lumen Loss (LLL)





OCT at 6-Months showed virtually complete strut coverage (99.3%)



CTA at 1-Year showed low mean area stenosis of 11.33%

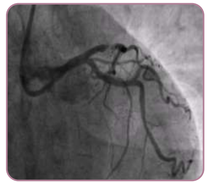
*Seth A. et al, EuroIntervention 2017;13:415-423.
@ Myocardial Infarction defined as per WHO criteria. ^ Death due to eminophyllline induced anaphylactic shock. $ ARC defined criteria.

MeRes100 - BRS Implantation[2]

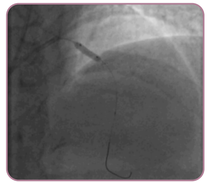
Proximal LAD sub-occlusive stenosis and clinical outcome.

53 Years | Male | Diabetic | Hypertensive | No family history | Non-smoker | Stable angina

Diagnostic Angio



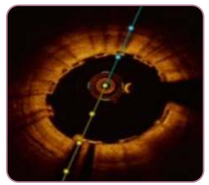
MeRes100 3.50 x 19 mm



Final Result



Baseline OCT



6-Months f/up



6-Months OCT f/up

