

PULSE™

^{RX} MedSure
Sirolimus Eluting Cobalt Chromium Coronary Stent System



Low Restenosis, Less Injury Stent System

Achieving new level of science and medical engineering, with **59 μm Strut Thickness**, Length upto **54 mm** and Dia from **2.25 to 4.5 mm** with Hybrid stent Design for ultimate conformability, with most proven drug **Sirolimus** and Biodegradable simultaneous polymer resorption

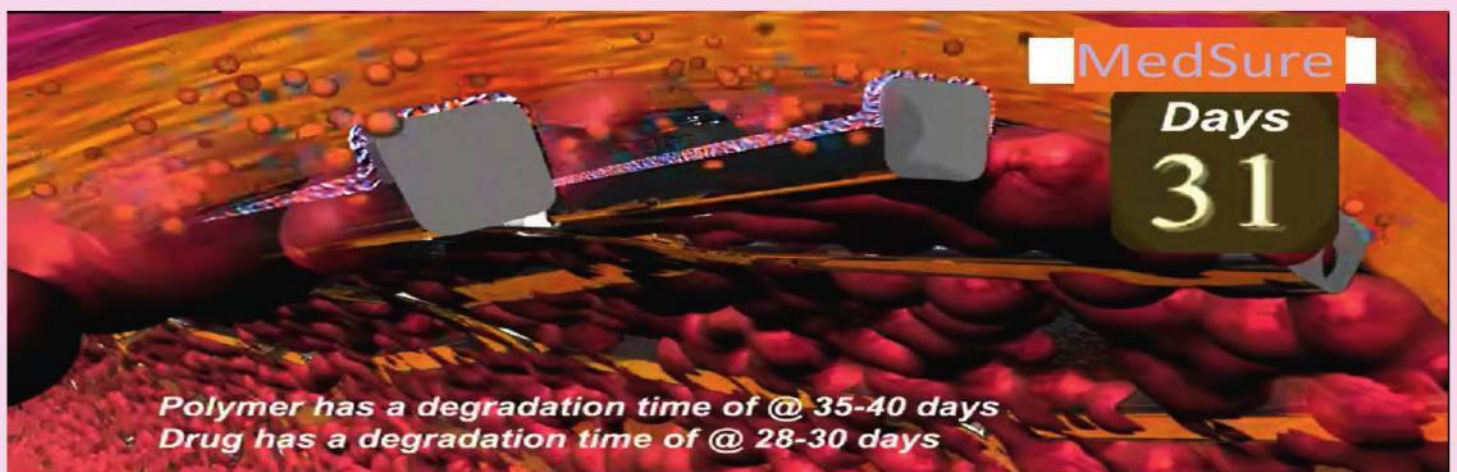


Unique 59 μm Strut Thickness

Excellent cell design

Provide optimal radial Strength, high degree of flexibility & Scaffolding

Sirolimus Drug, world's most trusted Drug for CAD Stents with maximum number of Patients



Safety and Efficacy proven in Clinical trial, with late loss of 0.05 mm at 9 months QCA*

MedSure.....

Endures Excellence in CAD challenges...

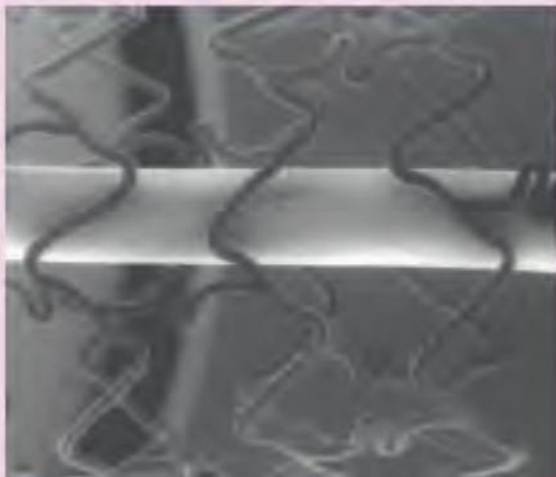
Ease of Side Branch Access

MedSure has Unique Hybrid Stent Design , which is comprise Mixed of Open and Closed Cell...

- ✓ Specifically it has Open cells at Mid Segment of Stent , which allow to widen the strut and open with help of SC/NC balloons , using technique of stenting of the main branch followed by stenting of the side branch at the ostium level through the struts of the main branch stent.



Fully Expanded Stent



- ❖ Open Cell at Mid Segment for better Side Branch access and to Inflate it to pass another stent to deploy to side branch.

- Dia. from 2.5 to 3, midsegment struts can be expanded up to 4mm & 3.5 to 4.5 can be expanded up to 5.5 mm

Stent Material	Surgical Grade Cobalt chromium (L605), laser cut from seamless tubing in a serpentine pattern coated with a polymer and Sirolimus mixture.
Delivery system usable length	142 CM
Delivery System Y-Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent delivery balloon	Nylon balloon, nominally 1.0mm longer than stent, mounted stent length and location is defined by radio opaque GOLD 18K marker at proximal and distal to stent.
Balloon inflation pressure	Nominal inflation pressure: 9 atm ,
	Rated burst pressure: 16 atm*.
Guiding catheter inner diameter	5 Fr(1.4mm) Compatible Guide Wire 0.014 inch
Strut Thickness (µm)	59
Polymer Bio-Degradation	100% 6-7 Weeks
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links

Ordering information:

Length/Dia	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
12 mm	MS22512	MS25012	MS27512	MS30012	MS35012	MS40012	MS45012
14 mm	MS22514	MS25014	MS27514	MS30014	MS35014	MS40014	MS45014
18 mm	MS22518	MS25018	MS27518	MS30018	MS35018	MS40018	MS45018
22 mm	MS22522	MS25022	MS27522	MS30022	MS35022	MS40022	MS45022
26 mm	MS22526	MS25026	MS27526	MS30026	MS35026	MS40026	MS45026
30 mm	MS22530	MS25030	MS27530	MS30030	MS35030	MS40030	MS45030
34 mm	MS22534	MS25034	MS27534	MS30034	MS35034	MS40034	MS45034
38 mm	MS22538	MS25038	MS27538	MS30038	MS35038	MS40038	MS45038
42 mm	Not Available	MS25042	MS27542	MS30042	MS35042	MS40042	MS45042
46 mm		MS25046	MS27546	MS30046	MS35046	MS40046	MS45046
50 mm		Not Available	MS27550	MS30050	MS35050	MS40050	MS45050
54 mm			MS27554	MS30054	MS35054	MS40054	MS45054

Stent Diameter

Pressure Bar	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
4	2.00	2.30	2.54	2.75	3.30	3.80	4.25
6	2.10	2.35	2.60	2.80	3.39	3.85	4.30
7	2.15	2.40	2.65	2.90	3.42	3.89	4.40
8	2.23	2.49	2.75	2.99	3.45	3.98	4.49
9*	2.25	2.51	2.78	3.02	3.48	4.00	4.52
10	2.28	2.54	2.80	3.04	3.51	4.02	4.55
11	2.30	2.59	2.86	3.10	3.62	4.12	4.58
12	2.32	2.62	2.89	3.14	3.66	4.16	4.60
13	2.35	2.65	2.92	3.18	3.70	4.20	4.65
14	2.39	2.67	2.95	3.20	3.74	4.24	4.68
15	2.41	2.70	2.98	3.22	3.78	4.27	4.72
16**	2.43	2.72	3.01	3.26	3.80	4.30	4.75
17	2.45	2.75	3.04	3.30	3.82	4.32	4.78
18	2.47	2.79	3.08	3.35	3.86	4.36	4.81
20	2.48	2.81	3.12	3.40	3.89	4.40	4.86

* Nominal Pressure
** Rated Burst Pressure



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