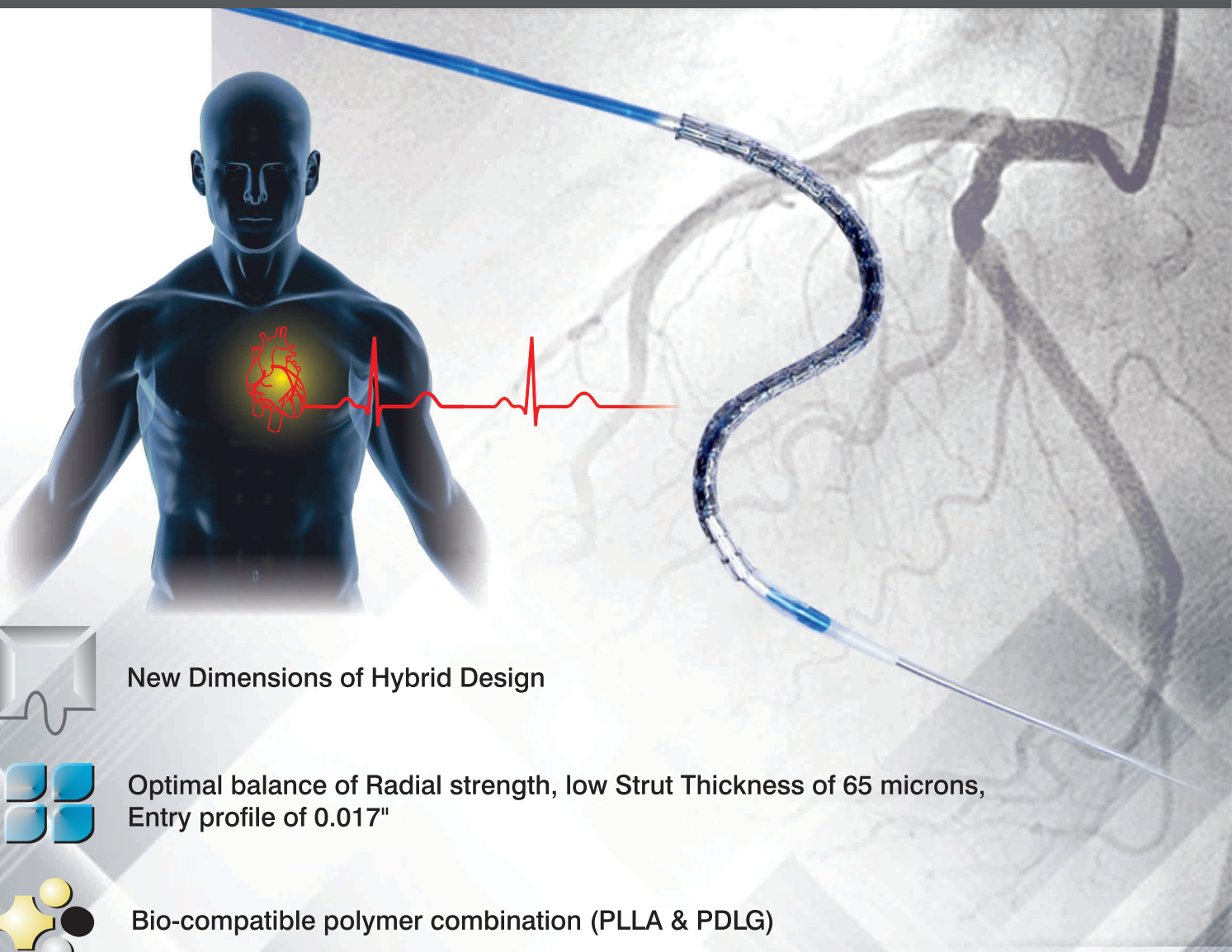
SiNEW

Sirolimus Eluting Coronary Stent System

New dimensions of strength & experience



New Dimensions of Hybrid Design

Optimal balance of Radial strength, low Strut Thickness of 65 microns, Entry profile of 0.017"

Bio-compatible polymer combination (PLLA & PDLG)

- Intelligent engineering in Platform Design to reduce edge effect
- Optimum blend of Biodegradable Polymers for Natural Safety
- Controlled navigation on difficult anatomy by merit of Delivery System and Platform design

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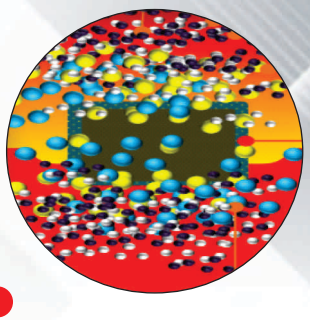
- **Unique Coating with LMSC Technique -** LMSC Technique ensures uniform coating throughout the stent length from proximal to distal resulting in uniform drug distribution to address edge injuries.
- **Ultra-Thin uniform coating -** Sinew has uniform thin polymer coating of <5 microns. Sinew has metallic struts thinly coated without compromising on integrity of coating while crimping and expansion.
- **Unique Crimping Technoloy :** Stepless crimping at proximal & distal end ensures smooth entry in to tight lesion.
- **New generation coating -** Optimum blend of Biodegradable Polymers Sinew has equal proportion of PLLA and PDLG on the drug delivery system.
- **"From Thin Polymer to No polymer" in natural way :** Degraded polymer monomers completely catabolize into carbon dioxide and water shortly following complete elution of drug from the stent within in about 45 days of implantation, confidence of safety profile of a metal stent is resumed.



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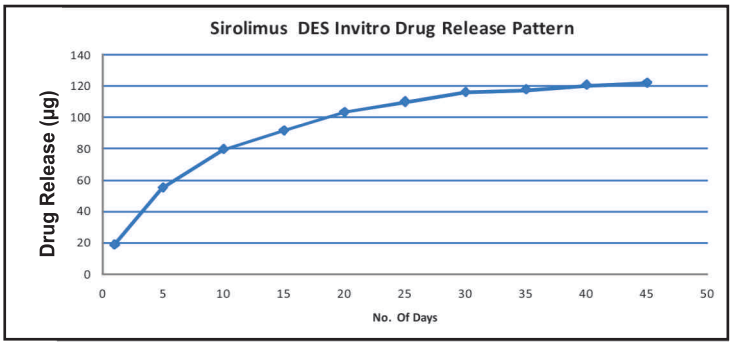
Strength of stalwart Drug - Sirolumus

Sirolimus or Rapamycin is an effective immunosuppressant and most frequently used hence most proven drug from limus group. Sinew choses to deliver Sirolimus through an optimum blend of biodegradable plymers to make its elution a phenomenal process in controlling restenosis.

Dose of sirolimus 65 to 308 mcg, and is eluted from the stent over 45 Days. Initial 60% of drug is eluted in 15 Days and remaining 40% is exponentially eluted till 45 Days, to prevent restenosis without interfering with re-endothelialization and subsequent healing.



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SINEW

Sirolimus Eluting Coronary Stent System

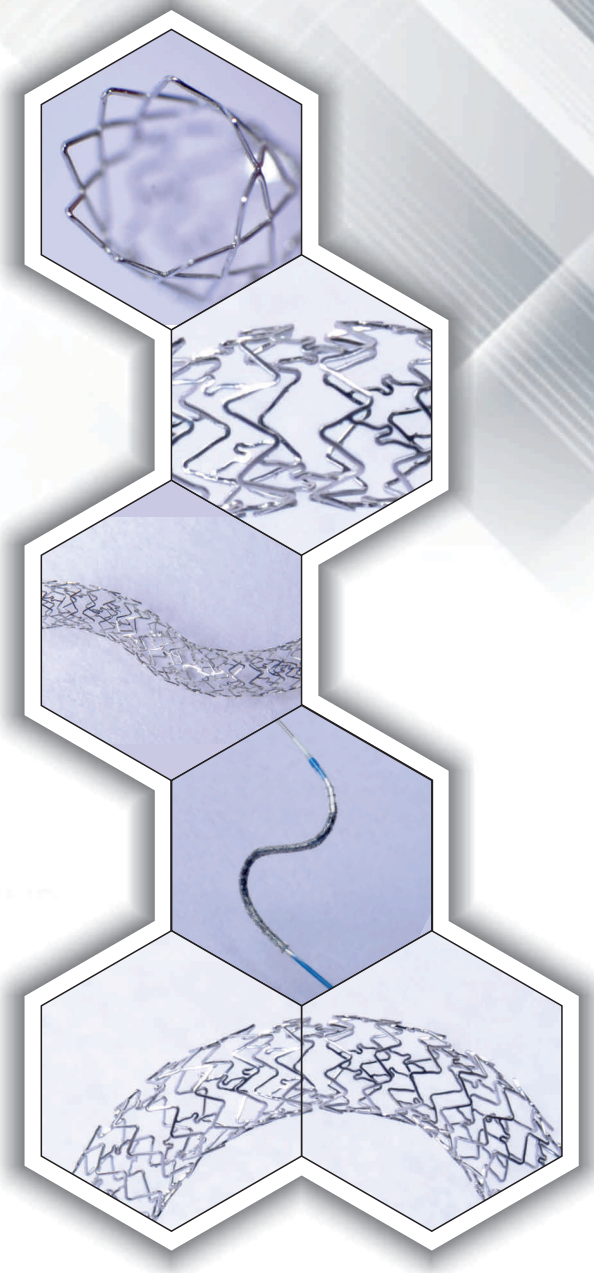
Sinew's Platform - technology deployed for medical challenges

Sinew's platform is engineering marvel with unique features to make navigation of the stent easy and safe even through Challenging anatomy. It has a unmet combination of radial strength, ease of side branch access, vessel support and flexibility.

Hybrid Cell Design -

Sinew has Hybrid cell design that has close cells at the end and open cells in middle.

No. of Crowns 8



Excellent conformance with vessel wall-

S-shaped links optimizes radial strength and mental to artery ratio for vessel support and provides better arterial support.

Radial strength > 1.6N

Reduced injury of edges -

Innovative hybrid design of Sinew ensures inflation pressure of the balloon is distributed evenly with uniform stent expansion.

This reduces the "edge effect" of the stent.

Excellent side branch access -

S-Link at every third crest in the middle segment will ensure wide opening for hardware to pass through in side branch

Low Bending stiffness (High flexibility)-

Attribute to the stent design and delivery system properties. The stent is highly flexible and easy to navigate in difficult anatomies.

Arc Subscription angle 30°

Material	L605 CoCr
Crimped (Crossing) profile	< 1 mm
Strut thickness	65 Microns
Radial strength	> 1.6 N
Elastic Recoil	< 5%
Foreshortening	< 0.25%
Ferromagnetism	Non ferromagnetic
Radio-opacity of struts	High

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SiNEW

Sirolimus Eluting Coronary Stent System

Technical Specification

Radio-opacity of struts	High
Radio-opacity of markers	Very high
Balloon Compliance	Semi-compliant
Entry Profile	0.017"
Catheter compatibility	5 Fr
Guide wire compatibility	0.014 inch
Balloon winging	Tri-fold
Distal tracking force	Low

Ordering Information

Diameter (mm)	8	12	16	20	24	28
2.00	SN20008	SN20012	SN20016	SN20020	SN20024	SN20028
2.25	SN22508	SN22512	SN22516	SN22520	SN22524	SN22528
2.50	SN25008	SN25012	SN25016	SN25020	SN25024	SN25028
2.75	SN27508	SN27512	SN27516	SN27520	SN27524	SN27528
3.00	SN30008	SN30012	SN30016	SN30020	SN30024	SN30028
3.50	SN35008	SN35012	SN35016	SN35020	SN35024	SN35028
4.00	SN40008	SN40012	SN40016	SN40020	SN40024	SN40028
4.50	SN45008	SN45012	SN45016	SN45020	SN45024	SN45028

Diameter (mm)	32	36	40	44	48
2.00	SN20032	SN20036	Sn20040	SN20044	SN20048
2.25	SN22532	SN22536	SN22540	SN22544	SN22548
2.50	SN25032	SN25036	SN25040	SN25044	SN25048
2.75	SN27532	SN27536	SN27540	SN27544	SN27548
3.00	SN30032	SN30036	SN30040	SN30044	SN30048
3.50	SN35032	SN35036	SN35040	SN35044	SN35048
4.00	SN40032	SN40036	SN40040	SN40044	SN40048
4.50	SN45032	SN45036	SN45040	SN45044	SN45048

Not for sale in US

Veritas Bioventions

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