

[cordis.com/nirxcell](http://cordis.com/nirxcell)

**NIRxcell™**  
CoCr Coronary Stent System

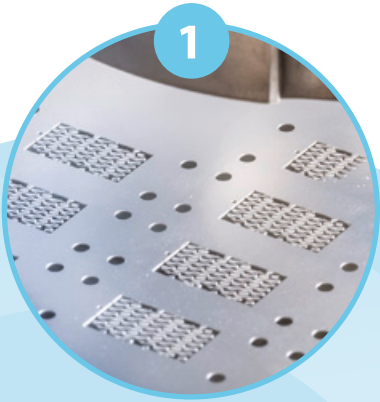


## Exceptional Outcomes by Design

- Exceptionally low TLR rate of 5.1 % at 9 months<sup>1</sup>
- Superior Deliverability and Crossability<sup>2</sup>
- Best-in-class Conformability with the WiZeCell™ Stent Design

# State of the art Engineering with QualitySurface™

1



## Unique Stent Design

WiZeCell™ Stent Design is achieved from laser cutting of flat panels.

2



## Improved Quality of Inspection

100% Automated Visual Inspection

3



## Enhanced Fracture Resistance & Optimized Product Uniformity

Proprietary manufacturing process



Production accuracy and consistency



High quality stents with exceptionally low TLR rate of 5.1 % at 9 months.



# Superior Deliverability and Crossability

## Lowest True Entry Profile\*

The Spring Tip closely hugs the wire avoiding fishmouthing and gapping of plastic tips.



## Reinforced Hypotube

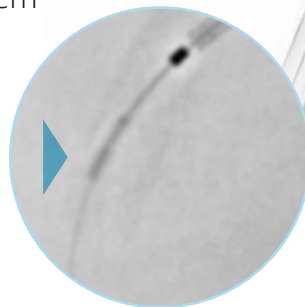
Allows for better proximal to distal force transfer without kinking and Direct 1:1 feedback.

## Unmatched System Flexibility\*

Combining the Flexx<sup>2</sup> delivery system and WiZeCell™ technology.

## Unique Tip Visibility

First radiopaque tip.

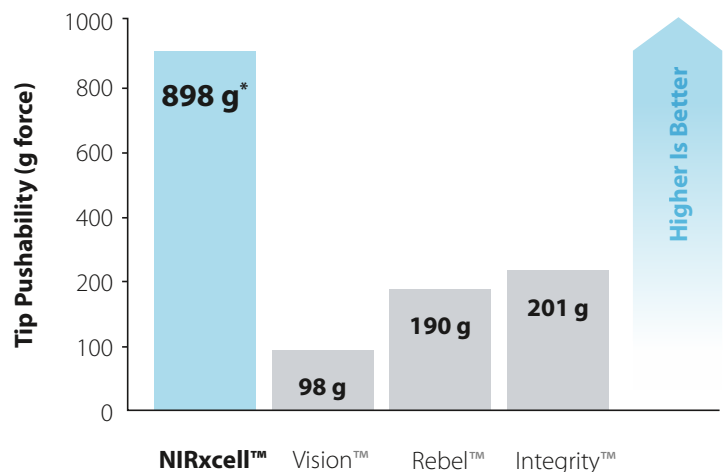


## Highest Tip Pushability

The stainless steel Spring Tip has the highest pushability and is designed to cross challenging lesions without tearing and buckling.



## Pushability Comparison\*



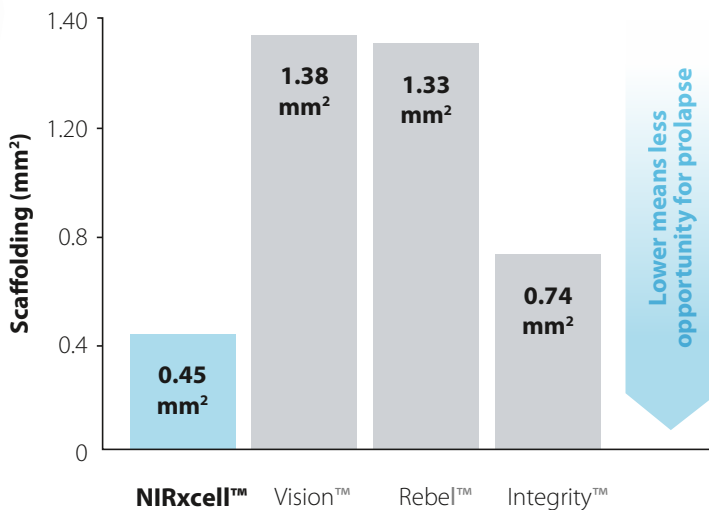
# Best-in-class Conformability with the WiZeCell™ Stent Design



- ✓ Narrow "Z" Struts provide excellent conformability to maintain natural vessel curvature.
- ✓ Wide "W" Struts provide the radial force to support the vessel.

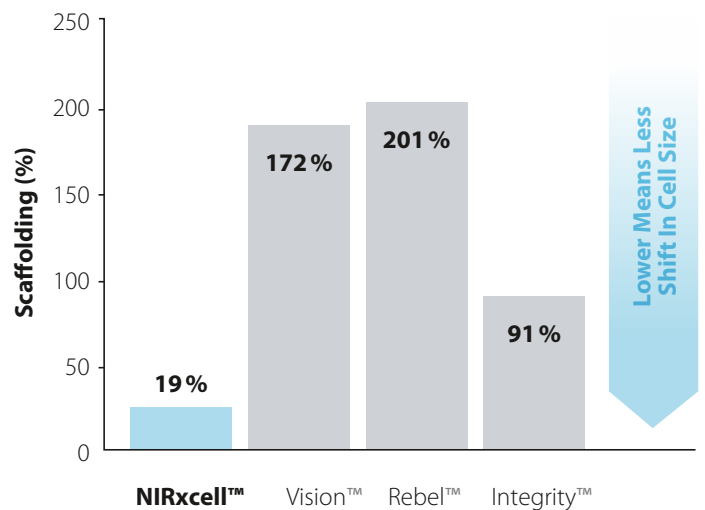
## Optimal Scaffolding designed to prevent tissue prolapse

Maximum Possible Tissue Prolapse\*



The size of available space for tissue prolapse between the struts calculated by ellipse fit to a deployed stent.

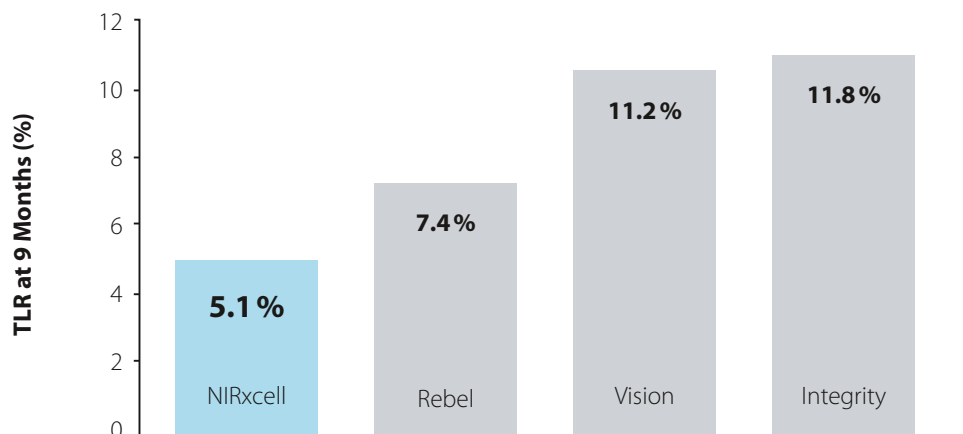
Change in the Prolapse Area on a Curve\*



Difference in the cell size between the stent outer and inner surface when the stent is on a curve.

# Exceptionally low TLR rate of 5.1 % at 9 months

## Proven Clinical Outcomes



✓ WiZeCell™ Stent Design Leads to Exceptionally Low TLR Rates.

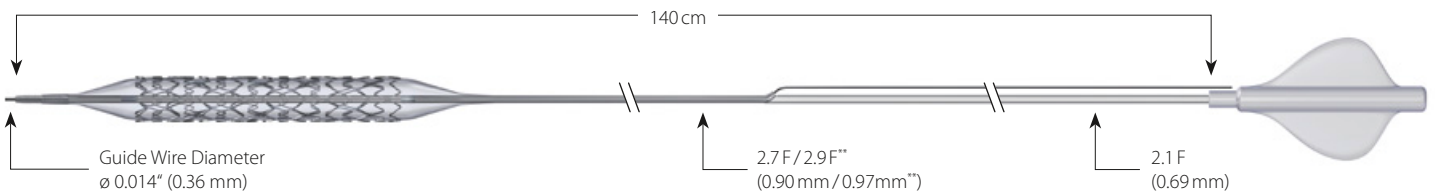
✓ Demonstrated outcomes in 7 clinical studies with more than 1,000 patients.

**Study:** PIONIR<sup>1</sup> (n=278)      OMEGA<sup>2</sup> (n=328)      Kereiakas<sup>3</sup> (n=267)      ENDEAVOR II<sup>4</sup> (n=592)

1. PIONIR Study – data from Medinol NIRxcell CoCr Coronary Stent on Rx System IFU – September 2014 (NIRxcell stent is identical to the stent used in PIONIR)  
2. OMEGA trial data from Rebel™ Platinum Chromium Coronary Stent System IFU version 2014-06 EN (Boston Scientific)  
3. Multi-Link Vision Registry; Kereiakes et al., Am J Cardiol. 2003; 92:463  
4. Endeavor II Data from Medtronic Integrity Coronary Stent System IFU Rev 1A



# NIRxcell™ CoCr Coronary Stent System



Technical Specifications	
Catheter System	Rapid Exchange (Rx)
Guidewire Compatibility	0.014" (0.36 mm)
System Usable Length	140 cm
Guidewire Lumen Distal Port	Approx. 30 cm from the Distal Tip
Guide Catheter Compatibility (ID)	≥ 5 F (0.056")
Radiopaque Markers	2 - Platinum/Iridium
Proximal Shaft Diameter	2.1 F (0.69 mm)
Distal Shaft Diameter	2.7 F (0.9 mm) for stent length 8 - 28 mm, 2.9 (0.97 mm) for stent length 33 mm
Markers on Proximal Shaft	Brachial and femoral markers 93 cm and 103 cm from distal tip
Nominal Pressure (NP)	12 atm
Rated Burst Pressure (RBP)	18 atm

Compliance Chart					
Pressure (atm)	Labeled Diameter (mm)				
	2.50	2.75	3.00	3.50	4.00
9	2.26	2.55	2.77	3.27	3.77
10	2.34	2.62	2.85	3.34	3.85
11	2.42	2.68	2.92	3.42	3.92
12	2.50	2.75	3.00	3.50	4.00
13	2.54	2.79	3.04	3.54	4.04
14	2.59	2.83	3.09	3.58	4.09
15	2.63	2.86	3.13	3.62	4.13
16	2.68	2.90	3.17	3.66	4.18
17	2.72	2.94	3.22	3.70	4.22
18	2.77	2.98	3.26	3.75	4.27
19	2.80	3.01	3.29	3.77	4.31
20	2.84	3.03	3.33	3.80	4.34

Ordering Information							
Stent Diameter (mm)	Stent Length (mm)						
	8	12	17	20	24	28	33
2.50	NXL25008US	NXL25012US	NXL25017US	NXL25020US	-	-	-
2.75	NXL27508US	NXL27512US	NXL27517US	NXL27520US	NXL27524US	NXL27528US	NXL27533US
3.00	NXL30008US	NXL30012US	NXL30017US	NXL30020US	NXL30024US	NXL30028US	NXL30033US
3.50	NXL35008US	NXL35012US	NXL35017US	NXL35020US	NXL35024US	NXL35028US	NXL35033US
4.00	NXL40008US	NXL40012US	NXL40017US	NXL40020US	NXL40024US	NXL40028US	NXL40033US

<sup>1</sup> PIONIR Study – data from Medinol NIRxcell CoCr Coronary Stent on Rx System IFU – September 2014 (NIRxcell stent is identical to the stent used in PIONIR)

<sup>2</sup> Data on file at Medinol

\*\* For stent length 33 mm

**For customer service, call 1.800.477.5801. For more information, visit cordis.com.**

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician. For healthcare professionals only. Prior to use, refer to the instruction for use supplied with this device for indications, contraindications, side effects, suggested procedure, warnings and precautions. For more information, please contact your local Cordis sales representative.