



COVIDIEN

*positive results for life™*

A leader in wound closure  
innovation since 1909

**Ti-Cron™**

Coated, Braided Polyester Suture



# Ti-Cron™ Suture

AN IDEAL SUTURE FOR VALVE REPLACEMENT AND VALVE REPAIR PROCEDURES.

A BRAND YOU HAVE TRUSTED FOR OVER 35 YEARS WITH A PROVEN HISTORY OF PERFORMANCE.

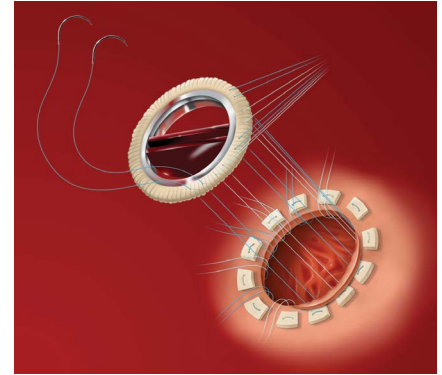
## SOFT AND SUPPLE

- Silicone (impregnated) coating designed for excellent handling and pliability
- Uniform braiding process designed to provide greater resistance to breaking
- Excellent knot security

## PLEDGETS

Available as firm and soft pledgets in four sizes:

- 3mm by 3 mm
- 3mm by 5mm
- 3 mm by 7 mm
- 4.8 mm by 9.5 mm

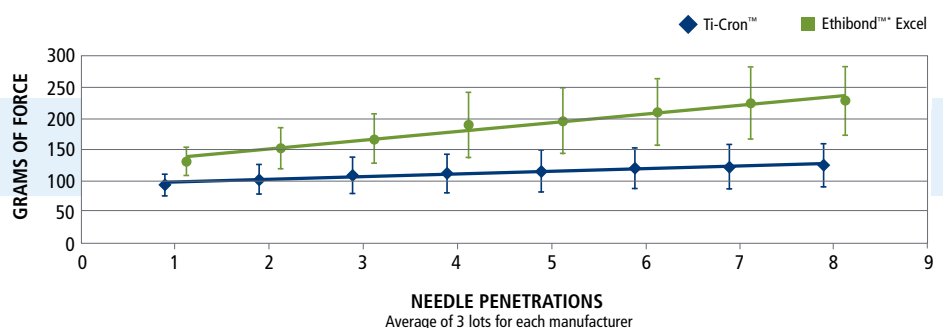


Also available as individual or "free" pledgets.

## NEEDLE PERFORMANCE

- Cardiopoint™ needles:
  1. Specialized cardiac needles less likely to break when operating at difficult angles
  2. Y needles with smaller cutting tip
- Surgalloy™ premium needle alloy designed to enhance needle strength
- NuCoat™ coating maintains needle sharpness over the duration of the procedure, resulting in consistent penetration, pass after pass
- Flat-pressed needles: CVF needles are available for enhanced stability in the needle driver
- Taper-cutting needles (KV) have a taper body with a cutting tip


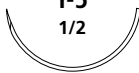







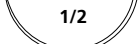
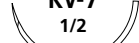
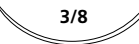
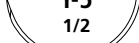
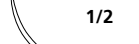




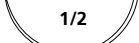
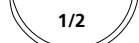
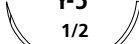
Penetration Comparison between CV-331 vs. RB-1 needle<sup>1</sup>



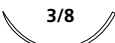
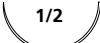
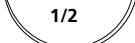
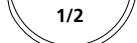
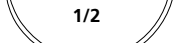

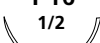
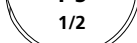
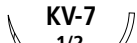
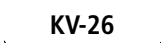

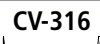
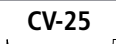
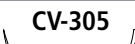
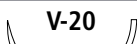

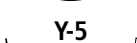

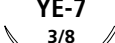
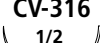
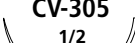
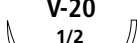



Ti-Cron™ 4/0 CV331 vs.  
Ethibond™\* Excel 4/0 RB-1

# Ti-Cron™ Suture

A FULL RANGE OF VALVE SURGERY NEEDLES TO MEET YOUR SPECIFIC NEEDS

Cardiac Valve Replacement and Valve Repairs							
	16 mm	17 mm	20 mm	22 mm	25 mm	26 mm	35 mm
SIZE 0					CV-305 1/2 	Y-5 1/2 	CV-300 1/2 
SIZE 2-0	CV-331 1/2  Y-31 1/2 	KV-5 1/2 	CV-316 1/2  Y-16 1/2 	CV-25 1/2 	CV-305 1/2  KV-7 1/2 	KV-26 3/8  Y-5 1/2 	CV-300 1/2 
SIZE 3-0	CV-331 1/2  Y-31 1/2 		CV-316 1/2 	CV-25 1/2 	CV-305 1/2 	V-20 1/2  Y-5 1/2 	

Abdominal Aortic Aneurysm								
	16 mm	17 mm	18 mm	20 mm	22 mm	25 mm	26 mm	35 mm
SIZE 2-0	CV-331 1/2 	KV-5 1/2 	YE-7 3/8 	CV-316 1/2 		CV-305 1/2 	V-20 1/2 	CV-300 1/2 
	Y-31 1/2 			Y-16 1/2 			Y-5 1/2 	
							KV-7 1/2 	
							KV-26 3/8 	
SIZE 3-0	CV-331 1/2 			CV-316 1/2 	CV-25 1/2 	CV-305 1/2 	V-20 1/2 	
	Y-31 1/2 						Y-5 1/2 	
SIZE 4-0	CV-331 1/2 		YE-7 3/8 	CV-316 1/2 		CV-305 1/2 	V-20 1/2 	
	Y-31 1/2 							

# Ti-Cron™ Suture

## EXCELLENT PACKAGING

Ti-Cron™ suture packaging provides:

1. Minimal Memory
2. Clear Labeling
3. Ease of Use
  - Easy dispensing
  - Easy to load

## FREQUENT USES

Cardiovascular, Orthopedic, Plastic and General Surgery.

### CV PROCEDURES:

Cardiac Valve Replacement  
Cannulation

Ti-Cron™ suture 2/0 on CV-305/CV-331 needles and/or Y-5/Y-31 needles  
Ti-Cron™ suture 2/0 on CV-305 needle

## INDICATIONS

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, neurological and ophthalmic surgery.

## CONTRAINDICATIONS

None known.

## SPECIFICATIONS

Composition	Braided Polyester
Sizes	Available in sizes 7-0 through 5
Colors	White or Blue
Units per box	One, two, and three dozen. Also available in compact suture books in multipackets of 6
Lengths	18, 24, 30, 36, 60 inch lengths as well as Pre-Cut and Reels
Absorption Profile	Permanent
Tensile Strength	Permanent
Needle Availability	A wide variety of cutting, taper and taper cutting needles



1. Multipass Penetration comparison between size 4/0 Ti-Cron™ CV-331 needle and 4/0 Ethibond™ Excel RB-1 needle, Covidien R&D Testing Services Report— CA-05-003.

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