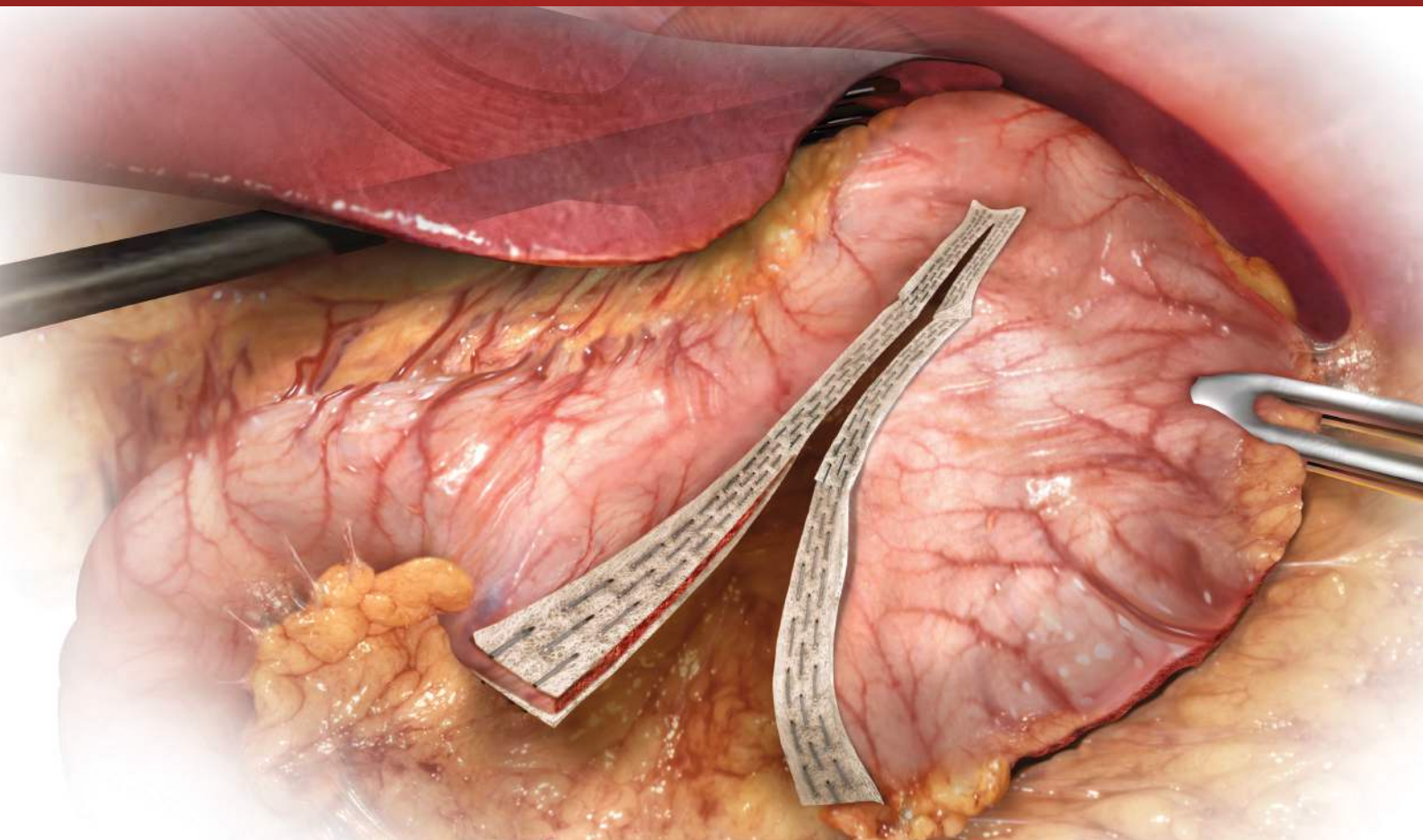


Reinforce with Confidence



PERFORMANCE through innovation



SEAMGUARD®
BIOABSORBABLE

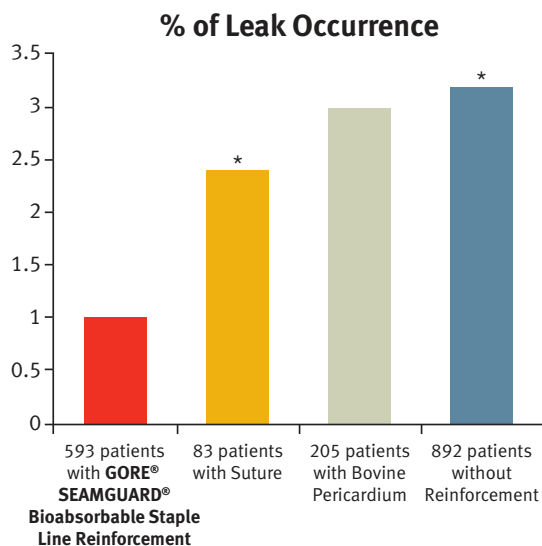
STAPLE LINE REINFORCEMENT

Reduces Leaks.

▶ Most clinical data literature supporting leak reduction¹

GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement has the most published clinical literature supporting the reduction in leaks in a variety of minimally invasive surgeries, as highlighted below.

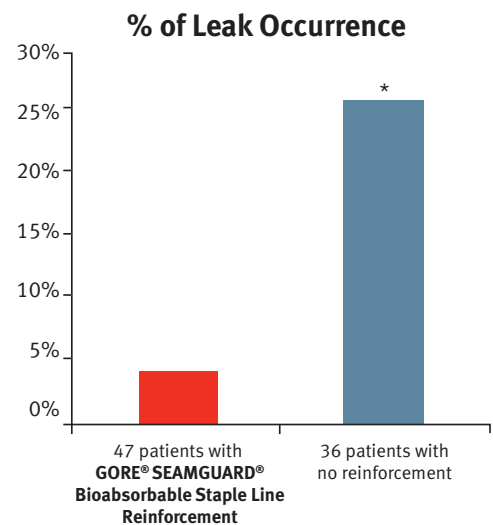
Meta-analysis of leak following sleeve gastrectomy²



²GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement significantly reduced leaks compared to no reinforcement, *p=0.005

“The use of an Absorbable buttress material during performance of a sleeve gastrectomy reduces the incidence of postoperative leaks by 3 fold.” Gagner²

Use of [GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement] to prevent pancreatic leak following distal pancreatectomy³



GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement significantly reduced leaks compared to no reinforcement, *p=0.01

“The use of [GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement] is quickly becoming a common adjunct in distal pancreas resections. Our study shows a lower incidence of pancreatic leak after distal pancreatectomy with the use of this staple line reinforcing product.” Imagawa³

Reduces Bleeding.

▶ Most clinical data literature supporting bleeding reduction¹

GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement has the most published clinical literature supporting a significant reduction in bleeding in a variety of minimally invasive procedures. Among these clinical papers are the following three randomized studies:

- **Miller et al.⁴ showed significantly reduced bleeding in gastric bypass procedures (p<0.05)***
 - Lower mean blood loss
 - Fewer staple line bleeding sites
 - Less time to staple line hemostasis
- **Nguyen et al.⁵ showed significantly reduced bleeding in gastric bypass procedures (p<0.05)***
 - Less clips used
 - Higher post-op hemoglobin
- **Consten et al.⁶ showed significantly reduced bleeding in sleeve gastrectomies (p<0.05)***
 - Lower mean blood loss

No hemorrhages, transfusions or reoperations when GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement was used in any of the studies above.

*When comparing the use of GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement and no reinforcement

“These early results may show that [GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement] reduces staple-line hemorrhage and leakage. This may have contributed to shorter hospital stay, decreased costs and lower morbidity after laparoscopic bariatric surgery.” Consten et al⁶

Safe and Reliable.

Strength over time

- Provides strength to the staple line during the critical healing process
- Reinforcement material bioabsorption process should be complete by six to seven months
- 1:1 tissue replacement

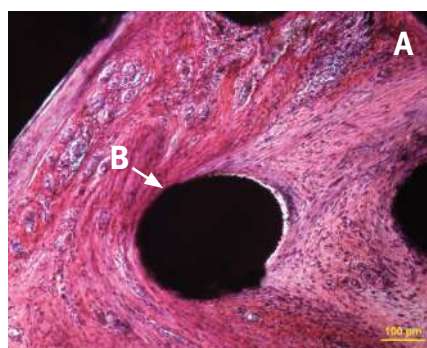
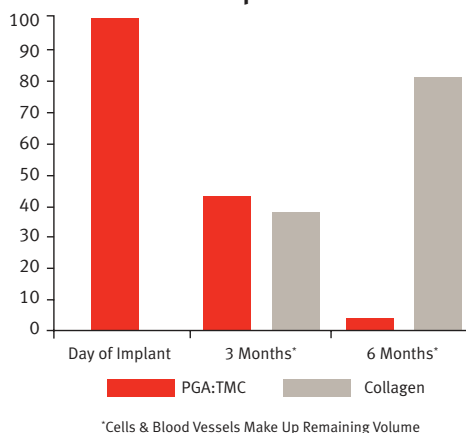
Strong, yet thin

- 0.4 mm total nominal thickness (max of 0.5 mm)
- Consistent and uniform with minimal staple line interference
- The open, highly interconnected 3D pore structure facilitates cell infiltration and growth

100% bioabsorbable

- Reinforcement constructed from Polyglycolic acid:Trimethylene carbonate (PGA:TMC)

Volume of Material = Volume of Tissue:
1:1 Replacement⁷



GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement in a staple line at six months [10x, A-Native Tissue, B-Staple]. The bioabsorbable material is surrounded and infiltrated by a bland fibrovascular tissue with no signs of inflammation, making it safe and compatible with host tissue. Over approximately six to seven months, the material is absorbed by the body.

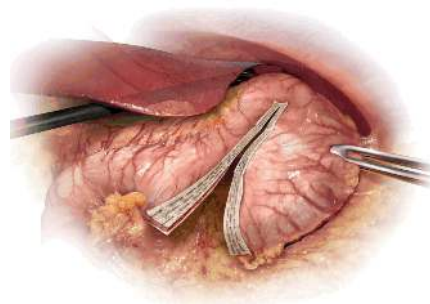
A Legacy of Performance.

GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement is a bioabsorbable staple line reinforcement material specifically engineered to reduce the incidence of perioperative leaks and bleeding in a variety of open and minimally invasive surgeries.*

Gore performance. Backed by experience. Supported by successful patient outcomes. Reinforced over the years by numbers. And further proof of why we say with pride, “Material really does matter.”

The proven legacy of GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement includes:

▶ **More than 1,000,000 devices implanted**



▶ **More than 10 years of performance**

▶ **More than 50 papers documenting the successful use of GORE® SEAMGUARD® Bioabsorbable Staple Line Reinforcement in bariatric, colorectal, thoracic and other procedures¹**



References

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2. Gagner M. Meta-analysis of leaks following laparoscopic sleeve gastrectomy. Presented at the XVI World Congress of the International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO); August 31-Sept 3, 2011; Hamburg, Germany. *Obesity Surgery* 2011; 21(8):958. Abstract PL02-05.
3. Yamamoto M, Hayashi MS, Nguyen NT, Nguyen TD, McCloud S, Imagawa DK. Use of Seamguard to prevent pancreatic leak following distal pancreatectomy. *Archives of Surgery* 2009;144(10):894-899.
4. Miller KA, Pump A. Use of bioabsorbable staple reinforcement material in gastric bypass: a prospective randomized clinical trial. *Surgery for Obesity & Related Diseases* 2007;3(4):417-422.
5. Nguyen NT, Longoria M, Welbourne S, Sabio A, Wilson SE. Glycolide copolymer staple-line reinforcement reduces staple site bleeding during laparoscopic gastric bypass. A prospective randomized trial. *Archives of Surgery* 2005;140(8):773-778.
6. Consten, ECJ, Gagner M, Pomp A, Inabnet WB. Decreased bleeding after laparoscopic sleeve gastrectomy with or without duodenal switch for morbid obesity using a stapled buttressed absorbable polymer membrane. *Obesity Surgery* 2004;14(10):1360-1366.
7. Morales-Conde S, Flores M, Fernández V, Morales-Méndez S. Bioabsorbable vs polypropylene plug for the "Mesh and Plug" inguinal hernia repair. Poster presented at the 9th Annual Meeting of the American Hernia Society; February 9-12, 2005; San Diego, CA.



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Configured For Endoscopic Staplers

	STAPLING DEVICE	CARTRIDGE COLOR	CATALOGUE NUMBER
Ethicon Endo-Surgery	ENDOPATH® ETS 45 Endoscopic Transecting	White, Blue, Green	1BSGETS45 / 12BSGETS45*
	ENDOPATH® ETS Flex 45	White, Blue, Green	1BSGETS45 / 12BSGETS45*
	ENDOPATH® EZ 45	Blue, Green	1BSGEZ45 / 12BSGEZ45*
	ENDOPATH® ETS Flex 60	White, Blue, Green	1BSGETS60 / 12BSGETS60*
	Echelon 45 ENDOPATH® Stapler	White, Blue, Gold, Green	1BSGEC45 / 12BSGEC45*
	Echelon 60 ENDOPATH® Stapler	White, Blue, Gold, Green	1BSGEC60 / 12BSGEC60*
Covidien Autosuture	Echelon FLEX 60 ENDOPATH®	White, Blue, Gold, Green	1BSGEC60A / 12BSGEC60A*
	Endo GIA™ Universal Straight 45	White, Blue	1BSGUSS45B / 12BSGUSS45B*
	Endo GIA™ Universal Reticulator 45	White, Blue	1BSGUSS45B / 12BSGUSS45B*
	Endo GIA™ Universal Straight 45	Green	1BSGUSS45G / 12BSGUSS45G*
	Endo GIA™ Universal Reticulator 45	Green	1BSGUSS45G / 12BSGUSS45G*
	Endo GIA™ Universal Straight 60	White, Blue	1BSGUSS60B / 12BSGUSS60B*
	Endo GIA™ Universal Reticulator 60	White, Blue	1BSGUSS60B / 12BSGUSS60B*
	Endo GIA™ Universal Straight 60	Green	1BSGUSS60G / 12BSGUSS60G*
	Endo GIA™ Universal Reticulator 60	Green	1BSGUSS60G / 12BSGUSS60G*
	Configured specifically for the Covidien Endo GIA™ Reloads with Tri-Staple™ Technology		
Endo GIA™ Ultra Universal Staplers	Purple	1BSGTRI45P / 12BSGTRI45P*	
Endo GIA™ Ultra Universal Staplers	Purple	1BSGTRI60P / 12BSGTRI60P*	
Endo GIA™ Ultra Universal Staplers	Black	1BSGTRI45B / 12BSGTRI45B*	
Endo GIA™ Ultra Universal Staplers	Black	1BSGTRI60B / 12BSGTRI60B*	

* Twelve packages per box

Configured For Open Staplers

	STAPLING DEVICE	CATALOGUE NUMBER
Ethicon Endo-Surgery	PROXIMATE® Linear Cutter 55 (Staplers: TLC55, TCT55; Reloads: TCR55, TRT55)	1OBSPROX55
	PROXIMATE® Linear Cutter 75 (Staplers: TLC75, TCT75, TCD75; Reloads: TCR75, TRT75, TRD75)	1OBSPROX75
	PROXIMATE® Linear Cutter 100 (Staplers: TLC10, TCT10; Reloads: TCR10, TRT10)	1OBSPROX100
Covidien Autosuture	GIA™ DST 60 (Stapler: GIA6038S; Reload: GIA6038L) (Stapler: GIA6048S; Reload: GIA6048L)	1OBSDST60
	GIA™ DST 80 (Stapler: GIA8038S; Reload: GIA8038L) (Stapler: GIA8048S; Reload: GIA8048L)	1OBSDST80
	GIA™ DST 100 (Stapler: GIA10038S; Reload: GIA10038L) (Stapler: GIA10048S; Reload: GIA10048L)	1OBSDST100

Configured For Circular Staplers

	STAPLING DEVICE	CATALOGUE NUMBER
Ethicon Endo-Surgery	ENDOPATH® 25 and Proximate 25 (Staplers: ECS25, CDH25, SDH25)	1BSGC25
	ENDOPATH® 29 and Proximate 29 (Staplers: ECS29, CDH29, SDH29)	1BSGC2829
	ENDOPATH® 33 and Proximate 33 (Staplers: ECS33, CDH33, SDH33)	1BSGC3334
Covidien Autosuture	CEEA 25 (Staplers: 110214L, 111985)	1BSGC25
	CEEA 28 (Staplers: 110238L, 111987)	1BSGC2829
	CEEA 31 (Staplers: 110276L, 111989)	1BSGC31
	CEEA 34 (Stapler: 111981)	1BSGC3334
	DST Series™ CEEA 25 (Staplers: EEA25, EEAXL25, EEA2535, EEAXL2535, EEAORVIL25)	1BSGC25
	DST Series™ CEEA 28 (Staplers: EEA28, EEAXL28, EEA2835, EEAXL2835)	1BSGC2829
	DST Series™ CEEA 31 (Staplers: EEA31, EEAXL31)	1BSGC31
DST Series™ CEEA 34 (Staplers: EEA34, EEAXL34)	1BSGC3334	