

# It's Time to STRATAFIX™

## The leader in barbed suture technology<sup>1</sup>

### STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device

#### Unidirectional



### STRATAFIX™ Spiral Knotless Tissue Control Devices

#### Unidirectional



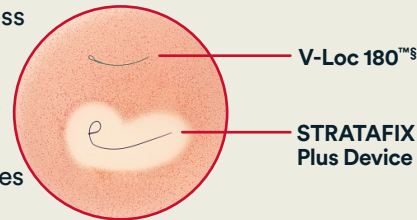
#### Bidirectional



#### Plus Antibacterial Properties

**Meta-analysis demonstrates 28% reduction in surgical site infection (SSI) risk with the use of triclosan-coated sutures<sup>2\*\*\*</sup>**

STRATAFIX Knotless Tissue Control Devices are the **only** commercially available knotless tissue control devices with antibacterial protection<sup>3-5</sup>



Triclosan has in vitro activity that inhibits bacterial colonization of the suture. For illustration purposes only.

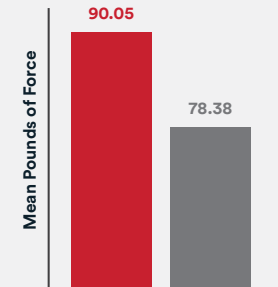
\*21 RCTs, 6462 patients, 95% CI: (14, 40%), P<0.001

†All triclosan-coated sutures in these RCTs were Ethicon Plus Antibacterial Sutures (MONOCRYL™ Plus Antibacterial [poliglecaprone 25] Suture, Coated VICRYL™ Plus Antibacterial [polyglactin 910] Suture, and PDS™ Plus Antibacterial [polydioxanone] Suture)

‡Meta-analysis only included traditional (non-barbed) sutures.

§Non-antibacterial-coated

#### Tissue Holding Strength<sup>1§</sup>



■ STRATAFIX Symmetric PDS Plus Device  
■ V-LOC™ 180 Absorbable Wound Closure Device

Features	STRATAFIX™ Knotless Tissue Control Devices	V-LOC™ Wound Closure Devices	Quill™ Knotless Tissue Closure Devices
Superior tissue holding strength	✓ <sup>6  </sup>	No <sup>7,8</sup>	No <sup>9-12</sup>
Antibacterial properties	✓ <sup>3-5  </sup>	No <sup>7,8</sup>	No <sup>9-12</sup>
Extended tensile wound holding strength	✓ <sup>13,14</sup>	No <sup>7,8</sup>	✓ <sup>10</sup>
Appropriate for use in fascia	✓ <sup>6,13  </sup>	No <sup>7,8</sup>	No <sup>9-12</sup>
Superior needle performance	✓ <sup>15,16</sup>	No <sup>15,16</sup>	No <sup>15,16</sup>
Multiple anchor designs	✓ <sup>13,14</sup>	No <sup>17</sup>	No <sup>18</sup>

§In porcine subcutaneous tissue

||Specific to STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device.

†Does not apply to all products in portfolio. Specific to STRATAFIX Symmetric PDS Plus Device, STRATAFIX™ Spiral MONOCRYL™ Plus Knotless Tissue Control Device, and STRATAFIX™ Spiral PDS™ Plus Knotless Tissue Control Device.

# ETHICON

Johnson & Johnson SURGICAL TECHNOLOGIES

# With STRATAFIX™ Knotless Tissue Control Devices, Ethicon continues a century-long tradition of leading the evolution in wound closure technology

A full portfolio of knotless tissue control devices to address the needs of various tissue types competition can't match.

Features	STRATAFIX Knotless Tissue Control Devices	V-LOC™ Wound Closure Devices	Quill™ Knotless Tissue Closure Devices
Superior tissue holding strength	STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device demonstrated superior tissue holding strength compared to interrupted technique with Coated VICRYL™ (polyglactin 910) Suture, continuous technique with PDS™ II (polydioxanone) Suture, and V-Loc™ 180 Wound Closure Device	Inferior tissue holding strength when compared to STRATAFIX Symmetric PDS Plus Devices in subcutaneous tissue <sup>6</sup>	Inferior tissue holding strength compared to STRATAFIX Symmetric PDS Plus Device in subcutaneous tissue <sup>19</sup>
Antibacterial properties	STRATAFIX Knotless Tissue Control Devices with IRGACARE® MP (triclosan)-the only commercially available knotless tissue control devices with antibacterial protection <sup>13,14</sup>	V-LOC portfolio does not offer antibacterial products <sup>7,8</sup>	Quill™ portfolio does not offer antibacterial products <sup>9-12</sup>
Extended tensile strength	STRATAFIX™ Spiral PDO Knotless Tissue Control Device, STRATAFIX Spiral PDS Plus Device, and STRATAFIX Symmetric PDS Plus Device provide 6 weeks of tissue support <sup>13,14,20</sup>	The V-LOC™ 180 Absorbable Wound Closure Device is not for use where prolonged (beyond 3 weeks) approximation of tissues under stress is required <sup>7</sup>	Quill™ PDO can be used in closures that require up to 6 weeks of tissue approximation <sup>10</sup>
Appropriate for use in fascia	STRATAFIX Symmetric PDS Plus Device is the only barbed suture appropriate for use in high-tension areas, such as fascia <sup>6,13</sup>	Warning in label states the safety and effectiveness of V-LOC has not been established for use in fascial closures <sup>7,8</sup>	Warning in label states the safety and effectiveness of Quill™ has not been established for use in fascial closures <sup>9-12</sup>
Superior needle performance	Ethicon needles outperform competition due to: <sup>15,16</sup> <ul style="list-style-type: none"> <li>• superior strength and ductility</li> <li>• improved penetration</li> <li>• reduced tissue trauma</li> <li>• advanced silicone coating</li> </ul>	Covidien needles require more penetration force versus Ethicon reverse-cutting and taper-point needles <sup>15,16</sup>	Angiotech needles require more penetration force versus Ethicon reverse-cutting and taper-point needles <sup>15,16</sup>
Multiple anchor designs	<ul style="list-style-type: none"> <li>• Available in spiral designs (bidirectional and unidirectional) and symmetric designs</li> <li>• Available in “cut” and “punched” technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Available in spiral design only<sup>17</sup></li> <li>• Only available in “cut” technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Available in spiral design only<sup>18</sup></li> <li>• Only available in “cut” technologies</li> </ul>

**Only Ethicon offers a barbed suture with Plus Antibacterial Technology that is appropriate for closing high-tension areas, such as fascia.<sup>13\*</sup>**

For complete indications, contraindications, warnings, precautions, and adverse reactions, please reference full package insert.

The third-party trademarks used herein are trademarks of their respective owners. \*Refers to STRATAFIX Symmetric PDS Plus Device only.

**References:** 1. Joshi P. Wound closure market and share October 2018 update. January 2019. Ethicon, Inc. 2. de Jonge SW, Atema JJ, Solomkin JS, Boermeester MA. Meta-analysis and trial sequential analysis of triclosan-coated sutures for the prevention of surgical-site infection. *Br J Surg*. 2017; 104(2):e118-e133. 3. Ming X, Rothenburger S, Yang D. In vitro antibacterial efficacy of Monocryl Plus Antibacterial Suture (poliglecaprone 25 with triclosan). *Surg Infect (Larchmt)*. 2007;8(2):201-207. 4. Ming X, Rothenburger S, Nichols MM. In vivo and in vitro antibacterial efficacy of PDS Plus (polydioxanone with triclosan) suture. *Surg Infect (Larchmt)*. 2008;9(4):451-457. 5. Rothenburger S, Spangler D, Bhende S, Burkley D. In vitro antimicrobial evaluation of coated Vicryl Plus Antibacterial Suture (coated polyglactin 910 with triclosan) using zone of inhibition assays. *Surg Infect (Larchmt)*. 2002;3 Suppl 1:S79-S87. 6. Nonnenmann H. Time Zero Tissue Holding - Competitive Claims Comparisons for STRATAFIX Knotless Tissue Control Devices vs Various Products. 100326296. 2015. Ethicon, Inc. 7. V-Loc™ 180 Absorbable Wound Closure Device Instructions for Use.. 8. V-Loc™ 90 Absorbable Wound Closure Device Instructions for Use. Medtronic. 9. Quill Self-Retaining System (SRS) Comprised of Monoderm (PGA-PCL) Synthetic Absorbable Surgical Suture Material Instructions for Use. Surgical Specialties Corporation. 10. Quill Self-Retaining System (SRS) Comprised of Dyed PDO (Polydioxanone) Synthetic Absorbable Surgical Suture Material Instructions for Use. Surgical Specialties Corporation. 11. Quill Self-Retaining System (SRS) Comprised of Polypropylene Non-absorbable Surgical Suture Material Instructions for Use. Surgical Specialties Corporation. 12. Quill Self-Retaining System (SRS) Comprised of Nylon Non-absorbable Surgical Suture Material Instructions for Use. Reading, PA: Surgical Specialties Corporation. 13. STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device Instructions for Use. Ethicon, Inc. 14. STRATAFIX™ Spiral PDS™ Plus Knotless Tissue Control Device Instructions for Use. Ethicon, Inc. 15. Technical Memo CT12-009. December 12, 2012. Ethicon, Inc. 16. Technical Memo CT09-022. January 20, 2010. Ethicon, Inc. 17. V-Loc™ Wound Closure Devices for Use in General Surgery. Medtronic. 18. Quill Knotless Tissue Control Device General Product Information. Quill website. Available at: <http://www.quilldevice.com/general-product-information>. Accessed March 20, 2019. 19. Poandl TM. Model development: histological and biomechanical evaluation of 3-0 DOLFIN barbed suture prototypes, 3-0 Quill suture, and 3-0 V-Loc suture at 7±1 days following closure of the ventral abdominal wall in a rabbit model. PSE 10-0012, project number 11822. Approved on August 8, 2011. Ethicon, Inc. 20. STRATAFIX™ Spiral PDO Knotless Tissue Control Device Instructions for Use. Ethicon, Inc.

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