

OptiFix™ Absorbable Fixation System



Challenges and opportunities in absorbable fixation

Absorbable fixation devices can provide important benefits, however, may be also associated with certain challenges, such as:

- Excessive deployment force may cause tissue trauma and bleeding¹
- Fasteners may be difficult to see laparoscopically potentially leading to the placement of unnecessary fasteners
- Device may be uncomfortable or awkward to deploy in smaller sized hands and may be sensitive to surgeon technique

OptiFix™ Absorbable Fixation System

The OptiFix $^{\text{M}}$ Absorbable Fixation System has been engineered inside and out to provide secure fixation and ergonomic design.



Outcome-driven fixation

The OptiFix™ Absorbable Fixation System fastener is made from Poly(D, L)-lactide and is designed for optimal performance. Fastener features include:

Smooth fastener head

- Minimizes the potential for tissue attachment¹
- Helps ensure mesh is securely fixated

Hollow core design

 Allows tissue ingrowth through the fastener¹

Angled tip

• Easily penetrates mesh and tissue

Stabilizers

- Enhances tissue holding strength
- Helps prevent the fastener from backing out



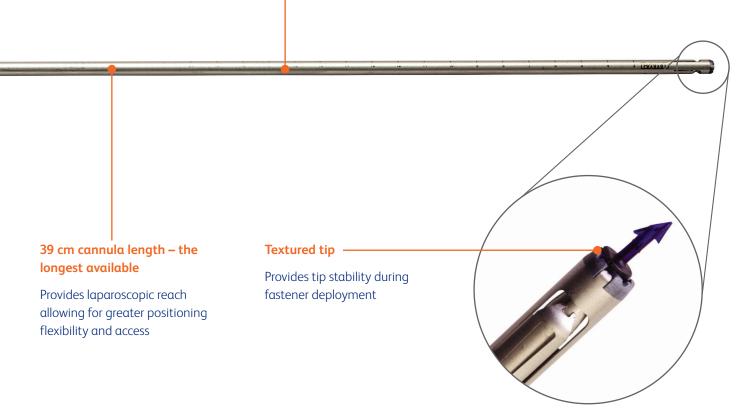
Enlargement





Metric scale

Facilitates laparoscopic measurements



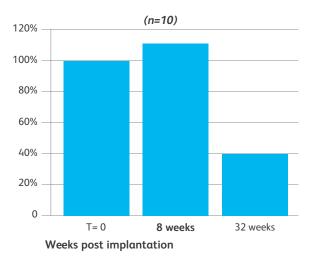
Optimally designed fixation system for outcome-driven results

Fixate with confidence

OptiFix[™] Absorbable Fixation System fasteners provide secure fixation during the postoperative healing period then slowly resorb over time.



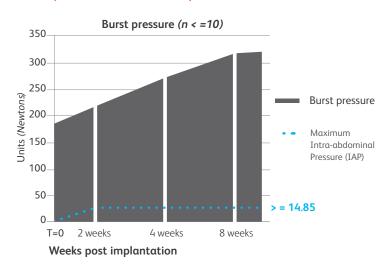
Baseline strength retention²



OptiFix $^{\mathbb{M}}$ Absorbable Fixation System fastener maintains its strength through the crucial healing period, then begins to resorb.

2. Bench data on file.

Burst pressure over time in a porcine model³



Minimal degradation of the fastener during the healing period, along with aggressive tissue ingrowth maintains burst pressures at approximately 7x the Intra-abdominal Pressure (IAP) requirement needed for the repair.

3. Preclinical data on file. Results may not correlate to clinical outcomes. Reports RPT3805719, RPT3805720, RPT3805721.

See the difference

Fastener visibility and mesh retention surface area

5X magnification



OptiFix™ Absorbable Fixation System 9.0 mm



Device with PGLA tacks 8.6 mm



Device with Fixation straps 1.8 mm

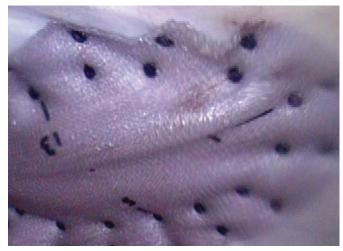
Higher fastener surface area coverage results in more visible fasteners and more secure mesh fixation.

^{*} BD bench data on file. RPT 3806969.

Controlled deployment

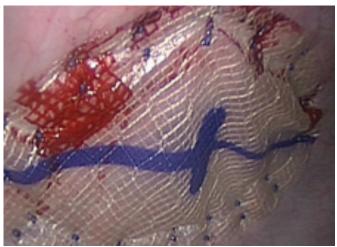
Optimized deployment force and fastener head geometry ensures secure fixation and may minimize trauma and bleeding.

In a preclinical study, OptiFix[™] Absorbable Fixation System demonstrated significantly less fastener site hemorrhaging than Device with Fixation straps. OptiFix[™] Absorbable Fixation System experienced 9X less incidents of bleeding than Device with Fixation straps.^{4,5}



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4. Preclinical data on file. Results may not correlate to clinical outcomes. Report RPT3806568.



Device with Fixation straps

5. Preclinical data on file. Results may not correlate to clinical outcomes. Report RPT3803790.

OptiFix™ has 5X more mesh retaining surface than Device with Fixation straps*









Fixate with confidence

Preferred ergonomic feel and design

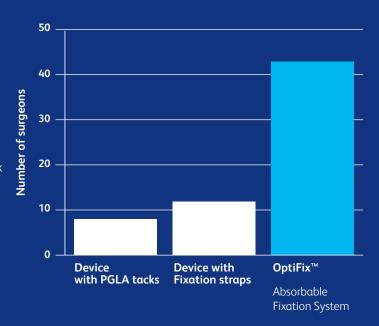
Surgeon Feedback⁶ – Surgeons prefer the handling of OptiFix[™] Absorbable Fixation System versus other fixation devices

In a blind preference test assessing surgeons' preference of device comfort, trigger force, and overall fit, feel and fire, OptiFix™ Absorbable Fixation System was preferred nearly 4x more frequently than the next closest competitor.

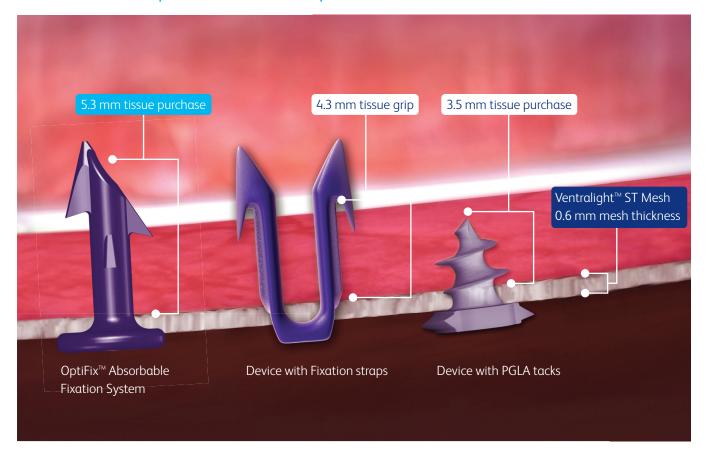
A fixation device designed with the surgeon and patient in mind.

6. Survey of surgeons attending an international surgical conference. Data on file.

Overall preference for fit, feel and fire⁶



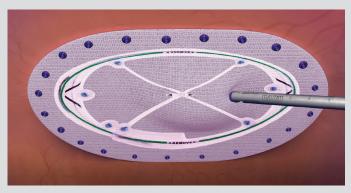
Point of tissue penetration comparison

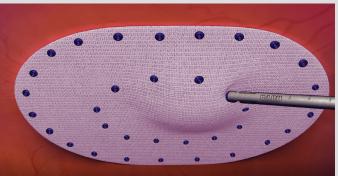


OptiFix™ Absorbable Fixation System supports your procedure of choice

With Ventralight $^{\text{\tiny{IM}}}$ ST Mesh with Echo $2^{\text{\tiny{IM}}}$ Positioning System in Laparoscopic Ventral Procedures

- Provides secure fixation in laparoscopic ventral procedures
- Penetrates and holds larger pore mesh as well as dual layer and/or smaller pore mesh
- Compatible in lap ventral with all Bard® Mesh configurations including Ventralight™ ST Mesh, and Ventrio™ ST Hernia Patch







Ordering information

Prodoct code	Qty.	Configuration
0113126	5/case	30 Absorbable Fasteners
0113127	5/case	15 Absorbable Fasteners

OptiFix™ Absorbable Fixation System

Ventralight™ ST Mesh with Echo 2™ Positioning System

Ventralight™ ST Mesh

Ventrio™ ST Hernia Patch

Ventrio** SI Hernia Patch

Indications: The Ventrio** ST Hernia Patch is indicated for use in the reinforcement of soft tissue, where weakness exists, in procedures involving soft tissue repair of ventral, incisional, and umbilical hernias. Contraindications. 1. Do not use this mesh infants, children, or pregnant women, whereby future growth may be compromised by the use of such mesh materials. 2. The use of this mesh has not been studied in breastfeeding or pregnant women. 3. Do not use this mesh for the reconstruction cardiovascular defects. 4. Literature reports that there may be a possibility for adhesion formation which me he polypropylene is placed in contact with the bowel or viscera. Warnings. 1. The use of any permanent mesh or patch in a contaminated or infection developes, treat the infection aggressively. Consideration should be given regarding the need to remove the mesh. An unresolved infection may require the removal of mesh. 3. If the unused mesh has been in contact with instruments or supplies used on a patient or contaminated with bodily fluids, discard with capro prevent risk of transmission of viral infection to the size and location of the defect, taking into consideration on your consideration or the size and location of the defect, taking into consideration or my consideration status placement and spacing will help prevent excessive ten or gap formation between the mesh and fascial tissue. 5. This mesh is supplied sterile. Inspect the packaging no be sure it is intact and undamaged prior to use. 6. This mesh has been designed for single use only. Reuse, resterilization, no reportaging may also acreate a risk of contamination of the mesh and/or cause patient infection or a cosis infection, including but not limited to, the transmission of infectious diseases from one patient to another. Cantamination of the mesh should be contacted or supplied to the extention of the mesh should be contacted from the patient. Reuse is reported to reship the treatministent or and user. This mesh is not plac



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