

# LIQUIFIX™



## **Engineered for Strength. Designed for Simplicity. Trusted in Surgery.**

Why settle for off-label in your hernia procedures when you can have FDA-approved confidence?

### **Approved Where It Counts**

#### **LIQUIFIX™**

**The only FDA-approved** internal adhesive indicated for mesh fixation and peritoneal closure in groin hernia repair (inguinal and femoral).<sup>1,2</sup>

Demonstrated safety and efficacy in a pivotal U.S. clinical trial (n=284).<sup>2-4</sup>

Delivers precise liquid anchors at multiple angles—even in challenging areas like the Triangles of Pain and Doom.<sup>5</sup>



#### **Tisseel [fibrin sealant]**

Indicated only for hemostasis and tissue sealing in general surgical applications; use in hernia repair is off-label\*.<sup>6</sup>

Completely resorbed in 10-14 days—not designed for long-term mesh stability.<sup>7</sup>

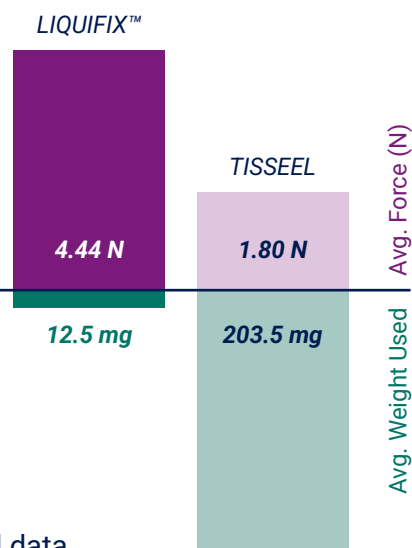
\* in the United States

# LIQUIFIX™

## Superior Strength. Less Material. Precise Delivery.

LIQUIFIX™ was over 2.5x stronger than TISSEEL with ~16x less material.<sup>5</sup>

Lap-Shear Strength Comparison (ex vivo model):



## Key Differences

A side-by-side comparison of labeling, design intent, and published data.

Feature	LIQUIFIX™ <sup>1-5</sup>	Tisseel [fibrin sealant] <sup>6-8</sup>
<b>FDA Indication</b>	Groin hernia (inguinal and femoral) mesh fixation and peritoneal closure	Adjunct to hemostasis and soft tissue sealing
<b>Device/Applicator Assembly</b>	Preassembled, single-use device	Requires thawing, reconstitution, and assembly prior to use
<b>Application Precision</b>	Controlled delivery (12.5 mg per trigger pull)	General application (spray or drip via gas driven systems)
<b>Polymerization Time</b>	≤10 seconds	≥2 minutes
<b>Composition</b>	Synthetic: n-butyl-2-cyanoacrylate (≥99.5%)	Human plasma-derived: fibrinogen, thrombin, synthetic aprotinin
<b>Adhesive Visualization</b>	Opaque after setting; visible delivery gauge	Forms fibrin clot
<b>Storage Requirements</b>	Room temperature: 5-25°C	Freezer storage: ≤-20°C*
<b>Delivery System</b>	Preassembled device	Requires pressurized gas (CO <sub>2</sub> or air) and applicator assembly
<b>Viral Transmission Risk</b>	None – fully synthetic adhesive	Yes – may carry a risk of transmitting blood derived infectious agents (e.g., viruses, vCJD, CJD)
<b>Risk of Gas Embolism</b>	None – delivered without pressure	Yes – manufacturer warns of gas embolism
<b>Intended Mesh Compatibility</b>	Polypropylene and polyester meshes	Not intended for mesh fixation

\*For frozen pre-filled syringes

## Backed by U.S. Clinical Trial Data



In a prospective, randomized, multicenter U.S. FDA IDE clinical trial (Petro et al., Annals of Surgery Open, 2024):<sup>3,4</sup>

- ▶ 284 patients were randomized across 5 academic hernia centers (21 surgeons).
- ▶ LIQUIFIX™ was evaluated against absorbable tacks for mesh fixation and peritoneal closure in laparoscopic TAPP and TEP groin hernia repair.
- ▶ The study demonstrated:
  - ▶ Non-inferior pain reduction at 6 months.
  - ▶ Comparable recurrence rates (0.7% for LIQUIFIX™ vs. 1.4% for absorbable tack), with no new recurrences through 12 months.
  - ▶ Clinically effective alternative for mesh fixation and peritoneal closure when compared to penetrating mechanical tackers.

This pivotal IDE study provided the clinical foundation for FDA approval—validating LIQUIFIX™ as a safe, effective, and innovative solution for both open and minimally invasive groin hernia repair.<sup>2,3</sup>

## Why It Matters

Surgeons seeking non-penetrating fixation may turn to fibrin sealants like Tisseel, which are not designed or FDA-approved for hernia mesh fixation.<sup>6</sup>

LIQUIFIX™ is:<sup>1-4</sup>

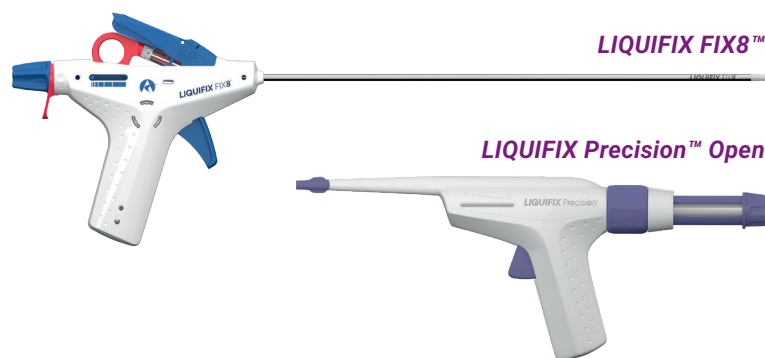
- ▶ *Purpose-built and FDA-approved* for hernia mesh fixation and peritoneal closure
- ▶ *Non-penetrating fixation without added complexity or risks* (no gas risk, no blood-derived components, no thawing or assembly)
- ▶ Backed by clinical trial data in U.S. groin hernia patients

Choose the product designed for  
the procedure you perform.



## Ordering Information

Description	QTY PER BOX	PRODUCT CODE
<b>LIQUIFIX FIX8™ Minimally Invasive, 355mm Cannula</b>	6	72014032
<b>LIQUIFIX Precision™ Open</b>	6	72014033



For more information or to request hospital onboarding support, contact your local **TELA Bio** representative or call us: 1 844 835 2246 (1 844 TELABIO)

## References

- Advanced Medical Solutions Ltd. LIQUIFIX FIX8™ and LIQUIFIX Precision™ Open Instructions for Use (IFU). Document DRM 06 1098. Plymouth, UK; 2023.
- U.S. Food and Drug Administration. Summary of Safety and Effectiveness Data (SSED): LIQUIFIX FIX8™ and LIQUIFIX Precision™ Open Adhesive Systems. PMA P220024; 2024.
- Advanced Medical Solutions Ltd. Clinical Study Report 005-710 G190018: LIQUIFIX FIX8™ IDE Study in Laparoscopic Groin Hernia Repair. 2023.
- Petro CC, Poulouse BK, Rosen MJ, et al. N-Butyl-2-Cyanoacrylate Adhesive Versus Absorbable Tacks in Laparoscopic Groin Hernia Repair: A Multicenter Randomized Clinical Trial. *Ann Surg Open*. 2024;3:e462.
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- Baxter Healthcare Corp. TISSEEL Global Core Brochure. GLBL/90/17-0018; 2018. [https://globaladvancedsurgery.baxter.com/sites/g/files/ebysai2841/files/2019-02/Tisseel%20Global%20Core%20Brochure%20-%20GLBL-90-17-0018%281%29\\_0.pdf](https://globaladvancedsurgery.baxter.com/sites/g/files/ebysai2841/files/2019-02/Tisseel%20Global%20Core%20Brochure%20-%20GLBL-90-17-0018%281%29_0.pdf) Last Accessed December 16, 2025.
- Baxter Healthcare Corp. TISSEEL Fibrin Sealant product image. Available at: <https://www.baxter.com/healthcare-professionals/surgical-care/tisseel-fibrin-sealant> Last Accessed February 5, 2026.

Tisseel is a registered trademark of Baxter International Inc.

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