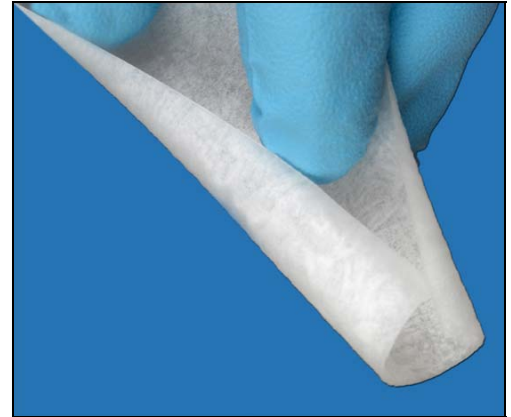


# TenoMend™

## Collagen Tendon Wrap

### Management and Protection of Tendon Injuries

- *Highly purified type I collagen*
- *Provides protective environment and gliding surface*
- *Permeable to macromolecules and nutrients*
- *Conformable, self-curling wrap design*
- *Implantable with minimal suturing*
- *Resorbable*



TenoMend™ features a patented self-curling wrap design that potentially eliminates the need for sutures.

TenoMend™ Collagen Tendon Wrap is a resorbable type I collagen matrix that provides a non-constricting encasement for injured tendons and is designed to be an interface between the tendon and the tendon sheath or the surrounding tissue. When hydrated, TenoMend™ is a conformable, nonfriable, self-curling collagen sheet designed for easy placement under, around or over the injured tendon. The patented self-curling wrap design allows for 25% of the conduit to wrap over itself, potentially eliminating the need for sutures or offers the ability to implant TenoMend™ with minimal suturing. The device, which is designed for the protection of tendon injuries in which there has been no substantial loss of tendon tissue, provides a protected environment and gliding surface of the sheath for tendon healing.

# TenoMend™

## Collagen Tendon Wrap

### Management and Protection of Tendon Injuries<sup>1</sup>



Implantation of TenoMend™ Collagen Tendon Wrap in a rabbit digital tendon.

### Summary of Animal Digital Tendon Repair

A rabbit flexor tendon repair study was conducted at the University of Mississippi Medical Center, Jackson, Mississippi. The study investigator was Feng Zhang, MD, Ph.D., Professor in the Department of Surgery. The results of the range of motion assessment are shown in the following table where the measurements are the joint flexion of digits (degree, mean ± SD).

Control group: tendon repair without collagen wrap  
Collagen group: tendon repair with collagen wrap  
Normal group: tendon was not divided and repaired

Range of Motion	Control Group (n=6)	Collagen Group (n=7)	Normal Group (n=7)
PIP joint (Proximal Interphalangeal Joint)	6.5° ± 1.6°	12.0° ± 2.5°	11.2° ± 4.4°
MP joint (Metacarpophalangeal Joint)	11.0° ± 1.9°	18.2° ± 5.0°	23.5° ± 11.1°

Control group vs. Collagen and Normal groups:  $p < 0.05$ ; Collagen group vs. Normal group:  $p > 0.05$

The Collagen group had a significantly favorable joint flexion range when compared to the Control group and the Normal group at Week 3. While the Control group showed an obvious scar adhesion of the tendon, the Collagen group showed that the Collagen Tendon Wrap prevented adhesion between granulation tissue and the tendon. Additionally, there were no inflammatory cells at the edges of the tendon in the Collagen group, indicating that the Collagen Tendon Wrap is biocompatible. No obvious evidence was found to show that Collagen Tendon Wrap would affect the healing process of tendons.

1. Data on file at Collagen Matrix, Inc.

### Ordering Information

Catalog No.	Wrap Size	Length	Diameter of Injured Tendon*
CTW6025	6.0 mm	2.5 cm	3.0-4.5 mm 6.0 mm max*
CTW6050	6.0 mm	5.0 cm	3.0-4.5 mm 6.0 mm max*
CTW12025	12.0 mm	2.5 cm	4.5-9.0 mm 12.0 mm max*
CTW12050	12.0 mm	5.0 cm	4.5-9.0 mm 12.0 mm max*
CTW16025	16.0 mm	2.5 cm	6.0-12.0 mm 16.0 mm max*
CTW16050	16.0 mm	5.0 cm	6.0-12.0 mm 16.0 mm max*

\*25% overlap is recommended. The max diameters require the wrap to meet end-to-end, which may require a running suture technique.



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