



An allograft  
that's a step  
ahead of the  
competition



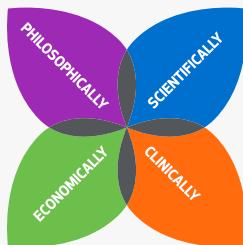
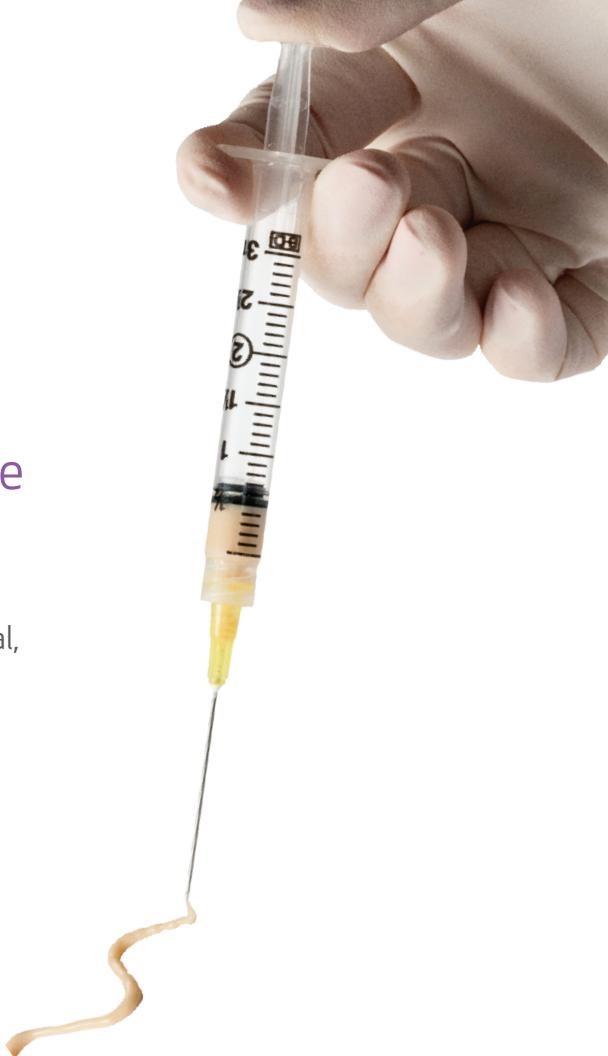


ALLOGRAFT ADIPOSE MATRIX

## Leneva® is a first-of-its-kind human adipose tissue for soft tissue reconstruction.

As an all-natural extracellular injectable matrix, Leneva is a safe, natural, off-the-shelf solution that has multiple clinical applications including, but not limited to:

- Diabetic Foot Ulcers
- Pressure Ulcers
- Tunneling Wounds
- Fat Pad Reconstruction Procedures



## Different By Design

MTF Biologics is a nonprofit organization that's committed to caregivers, not shareholders. As the leading tissue bank in the world, we're focused on honoring the gift of donation by serving patients and advancing the science of tissue transplantation.

### Philosophically:

- We maximize the gift of donation by constantly researching new tissue forms and clinical needs, leading to innovative new solutions
- Adipose tissue, that was once discarded during the donation process, can now be processed to retain the inherent properties

### Scientifically:

- With over 30 years of tissue processing experience and scientific innovation, we've pioneered another first-of-its-kind allograft
- Preservation of natural derived endogenous components (matrix proteins, growth factors, cytokines) vital to adipogenesis and angiogenesis

### Economically:

- Ready to use out of packaging reducing procedural preparation time
- Wound treatment may allow for decreased long-term health costs from repeat patient visits due to wound recurrence

### Clinically:

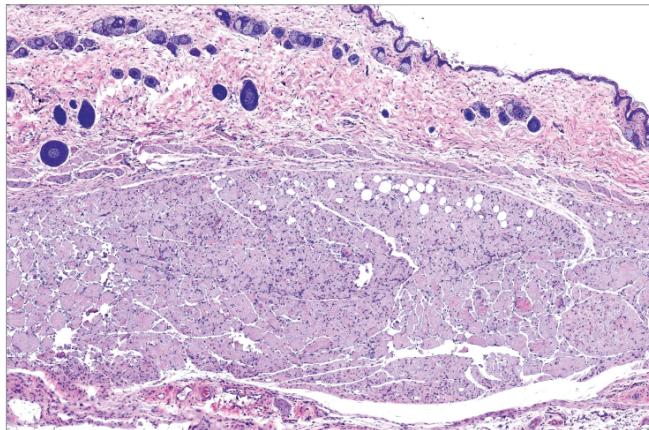
- Provides extracellular matrix that functions as a scaffold for patients own cells to create new fat
- Shown to reduce peak mean pressure under healed DFU's\*
- Pre-clinical studies in athymic mice demonstrate significant adipocyte formation in the host
- Leneva is tested for sterility per USP<71> without the need for terminal sterilization methods

# A Natural Solution

## Leneva injection after 3 and 12 weeks in an athymic mouse

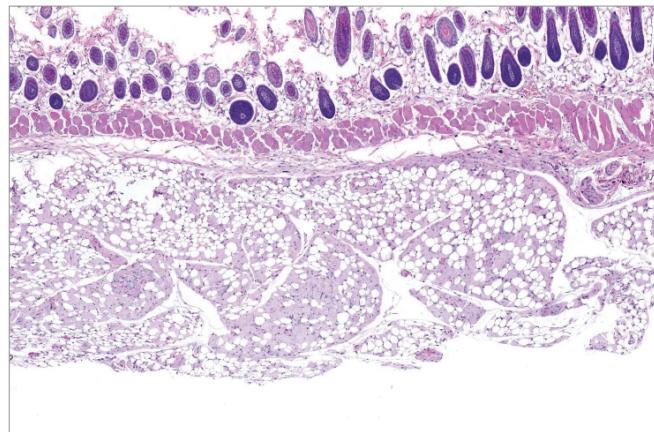
### Three weeks post-injection with Leneva:

Host-cell infiltration and early adipocyte formation around the periphery of the injected graft.



### Twelve weeks post-injection with Leneva:

Leneva is well-infiltrated by the host cells and shows significant adipocyte formation across the entire injected graft.



H&E staining of Leneva injection in an athymic mouse.

## Our Processing Preserves Native Growth Factors

Leneva passes strict standards for patient safety. With minimal processing, Leneva is tested for endotoxin and for sterility per USP<71>, while preserving the key growth factors needed for adipogenesis and angiogenesis.

### Leneva undergoes strict processing that's designed to maintain its structural integrity without sacrificing quality and sterility.

This process allows for retention of key matrix proteins such as Collagen IV and Collagen VI as well as adipogenic and angiogenic factors leptin, adiponectin, FGF-2 and VEGF, while removing residual lipid, cellular fragments, and DNA content. As an all-natural treatment, Leneva provides the necessary scaffolding and biological components that utilize the body's own fat cell regeneration process to produce natural results.<sup>1</sup>

	Growth Factor <sup>1</sup>	Native Human Adipose	Leneva
KEY ANGIOGENIC FACTORS	Angiopoietin-2	✓	✓
	EGF	✓	✓
	FGF-1	✓	✓
	FGF-2	✓	✓
	VEGF	✓	✓
KEY ADIPOGENIC FACTORS	Adiponectin	✓	✓
	IGF-1	✓	✓
	Leptin	✓	✓
	IL-6	✓	✓

<sup>1</sup> Pre-clinical assessment of an adipose-derived allograft scaffold. MTF Biologics Correspondence. 2015.

# MTF Biologics is a nonprofit organization dedicated to offering the highest quality tissue solutions, without compromise.

We're driven to advance science through research and dedicated to providing quality tissue for a variety of medical purposes. Since our founding in 1987, close to nine million grafts have been distributed to save and heal countless lives.

## Ordering and Service Information:

ORDER NO.	DESCRIPTION	VOLUME	UPC CODE
WC5101	Leneva, Adipose Matrix 1.5cc	1.5cc	840045715756
WC5103	Leneva, Adipose Matrix 3cc	3cc	840045715763



### MTF BIOLOGICS CUSTOMER SERVICE

[mtfcs@mtf.org](mailto:mtfcs@mtf.org)

**1-800-433-6576**

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### MTF BIOLOGICS REIMBURSEMENT SUPPORT

The Pinnacle Health Group, Inc.

[mtf@thepinnaclehealthgroup.com](mailto:mtf@thepinnaclehealthgroup.com)

**1-866-369-9290**