

# **MemoDerm**<sup>®</sup>

Acellular Dermal Matrix

**Sterile**



Non-Meshed



Meshed

# MemoDerm

## Sterile, Biomechanical Strength, Structural Performance

MemoDerm Acellular Dermal Matrix is an acellular dermal matrix derived from human allograft skin tissue that is terminally sterilized. The unique processing method removes the epidermal layer and cellular elements to minimize the potential for an immunogenic response. The resulting acellular dermal matrix has the natural histomorphology preserved. MemoDerm is specifically designed to play a key role in revascularization and repopulation of cells.

The proprietary gamma irradiation sterilization process does not damage the matrix. Note the similarity between the non-gamma sterilized and the sterilized sections. The cellular elements, typically considered immunogenic, are absent.<sup>1</sup>

- Rotator Cuff
- Anterior Shoulder Capsule
- Flex/Extensor Tendon
- Ulnar Collateral Ligament
- Achilles Tendon
- Lateral Ankle Complex
- Chronic Diabetic Foot Ulcer

## Safety

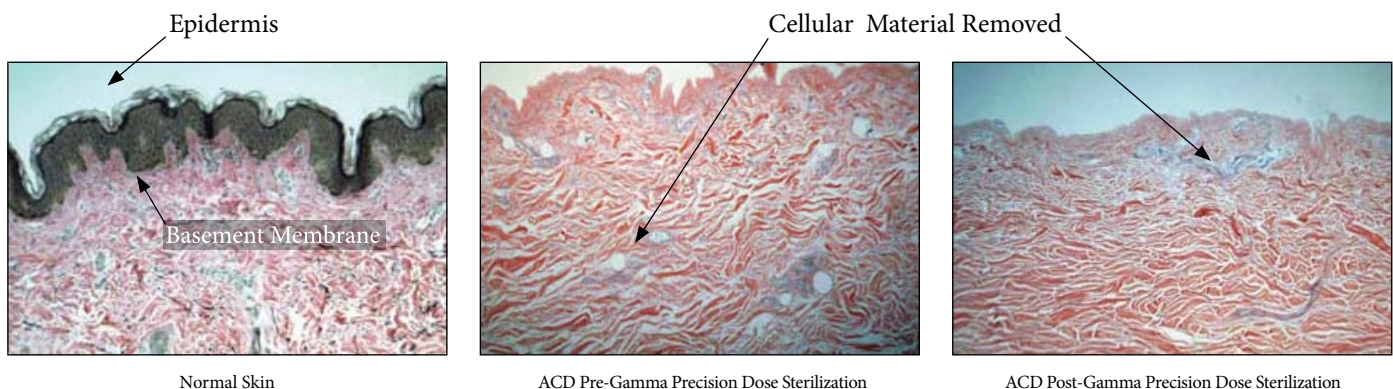
- Complies with all FDA, AATB and State Regulatory requirements for donor screening and testing.
- Proprietary Gamma Precision Dose Sterilization process provides a Sterility Assurance Level (SAL) of  $10^{-6}$ . Histology studies have shown that Precision Dose Sterilization allows the graft to be sterilized while maintaining tissue integrity.<sup>1,3</sup>

## Biomechanical Properties

- Excellent tensile strength<sup>2,4,5,6</sup>
- Excellent suture retention strength<sup>2</sup>

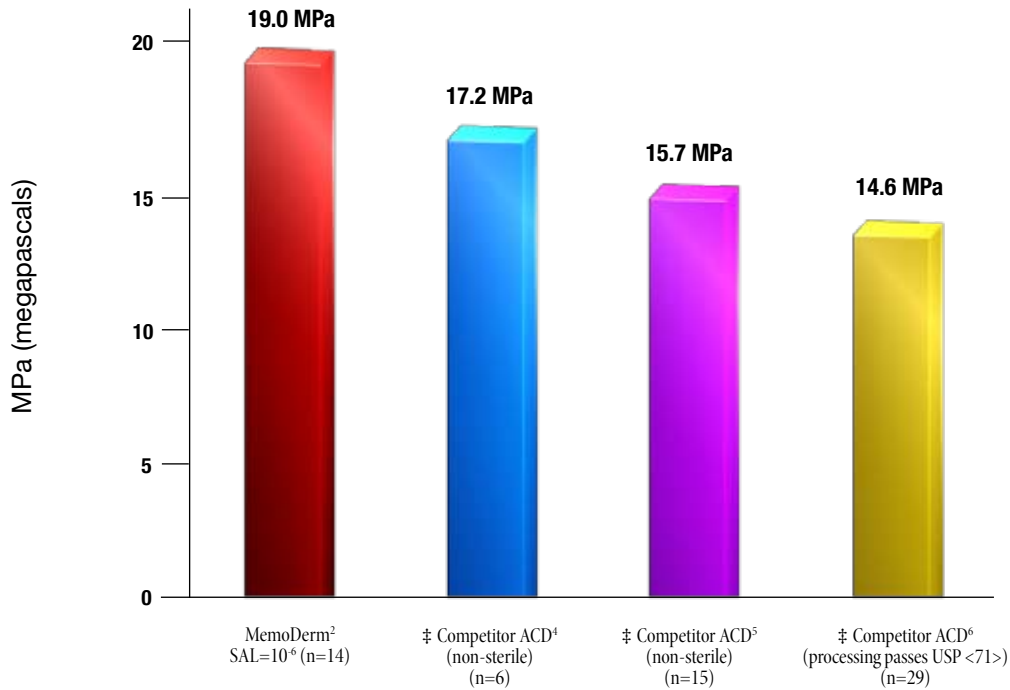
## Histology Studies<sup>1</sup>

These histology studies show no changes to the matrix, post sterilization:

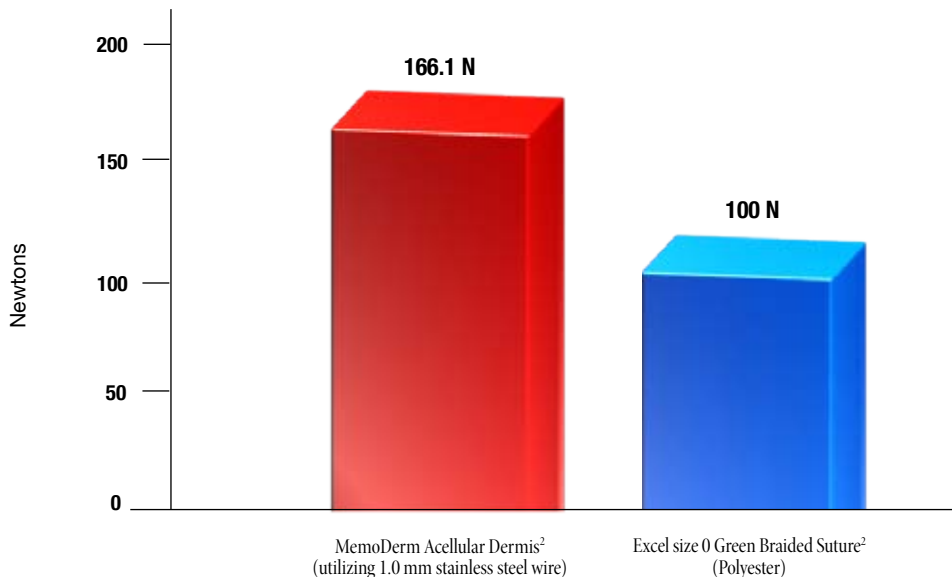


## Ultimate Tensile Strength for Various Acellularized Dermis

‡ as reported by the competitors



## ACD Suture Pull-Out Strength Versus Suture Break Strength



<b>PART NUMBER</b>	<b>DESCRIPTION</b>
HTM0330204	2cm x 4cm Non-Meshed (0.33-0.61mm thickness)
HTM0400404M	4cm x 4cm Meshed (0.40-0.80mm thickness)
HTM0400408M	4cm x 8cm Meshed (0.40-0.80mm thickness)
HTM0800408	4cm x 8cm Non-Meshed (0.80-1.40mm thickness)
HTM0900505	5cm x 5cm Non-Meshed (0.90-1.90mm thickness)
HTM1500505	5cm x 5cm Non-Meshed (1.00-2.00mm thickness)
HTM2000510	5cm x 10cm Non-Meshed (2.00-3.50mm thickness) (extra thick)

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References

1. Histological Investigations of Recellularization, Revascularization, Adhesions, and Other Factors in Three Animal Models of Tissue Banks International's Sterile Human Acellular Dermal Allograft. Tissue Banks International. May 20, 2010.
2. Mechanical Testing of Tissue Banks International's Acellular Dermis (ACD) Allograft. Tissue Banks International. May 18, 2010.
3. Sterility Validation for Tissue Banks International's Acellular Dermis (ACD) Allografts. Tissue Banks International. April 27, 2010.
4. MTF DermaMatrix HD
5. MTF Allopatch HD
6. MTF DermaMatrix

A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

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