

DermaSpan™ Acellular Dermal Matrix

Product Brochure

An acellular matrix derived
from allograft human skin.



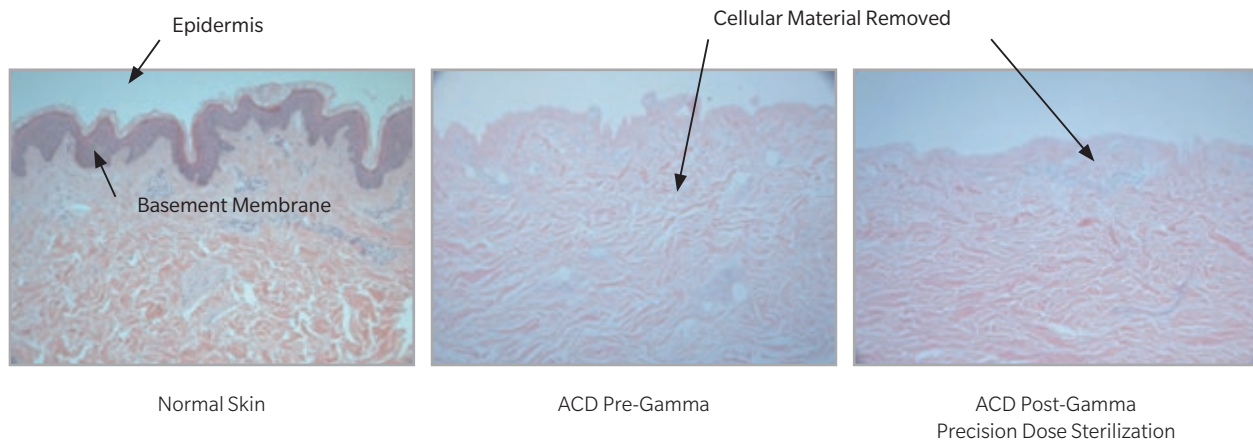
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Sterilization has its advantages

Through a proprietary process DermaSpan Acellular Dermal Matrix is supplied sterile (SAL-10⁻⁶). Histology studies have shown that Precision Dose Sterilization allows the graft to be sterilized while maintaining tissue integrity.¹

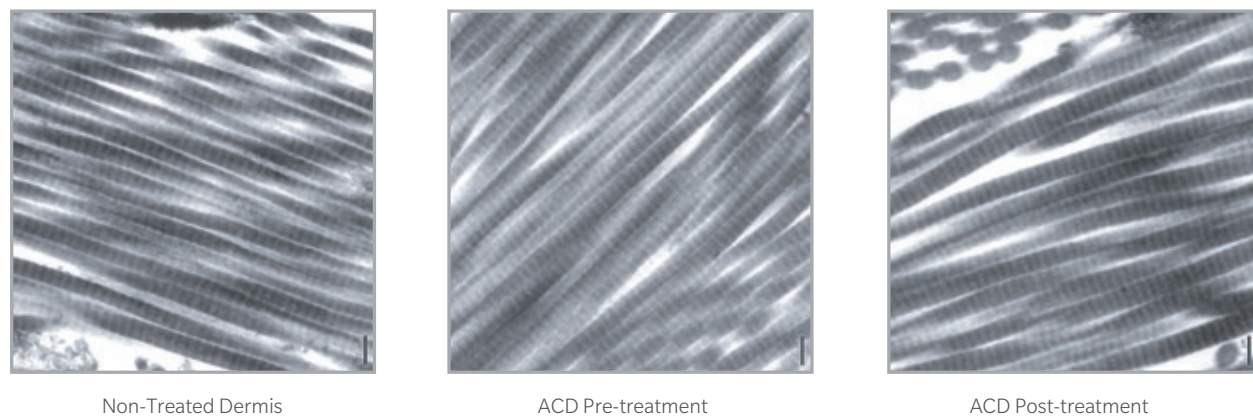
Histology Studies¹

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



Transmission Electron Micrographs (TEMs)¹

TEMs presented the same results. There is a similar collagen structure between normal dermis and dermis treated with the gamma precision sterilization process. Ultimately, DermaSpan Acellular Dermal Matrix is preserved through processing.



Sterilization has its advantages

DermaSpan Acellular Dermal Matrix is carefully processed to offer biocompatibility as well as biomechanical strength. DermaSpan ACD can be used in various practices, including plastics and general surgery, for the repair or replacement of damaged or inadequate integumental tissue (wound coverage). DermaSpan ACD can also be for supplemental support, protection, reinforcement or covering of tendon. DermaSpan Acellular Dermal Matrix has the added advantage of being supplied sterile... unlike many other dermal allograft products.



Wound Coverage

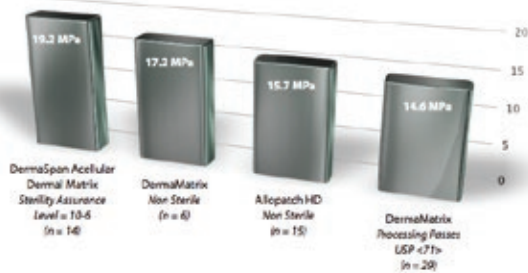


Tendon Coverage

Feature	Benefit
Acellular dermal matrix	One lab study has shown acellular dermal matrix leads to reduced chance of inflammatory response. ²
Allograft	Reduced risk of rejection as compared with xenograft ^{3,4}
Infiltrated by host tissue	For effective graft procedures
High suture pull-out strength	Enhances tissue reinforcement
Provided sterile	Proprietary process, provides the one of a few acellular dermal matrix products that is irradiated under validated sterilization process. Using sterile graft further reduces the risk of disease donor transmission. ⁵
Convenient delivery sizes	Multiple sizes to address surgeon's needs
No special handling or storage requirements	Does not need to be refrigerated
Easily reconstituted in the O.R.	Simply hydrate in normal saline
Consistent material	Consistent thickness throughout entire implant

Meets all FDA, AATB and state regulatory requirements for testing and donor screening

Ultimate Tensile Strength for Various Acellularized Dermis⁷

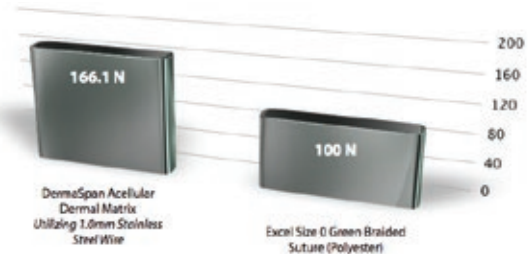


Tensile Strength⁶

Tensile strength is defined as the pulling force required to break a material standardized to its cross-sectional area.

- 19.2 MPa
- Exceeded tensile strength of competitor ACD graft

ACD Suture Pull-out Strength vs. Suture Break Strength⁷



Suture Pull-out Strength⁶

Suture pull-out strength is defined as the force required to separate the suture from the graft material.

- Suture failed before graft (Excel 0.0 Green Braided Suture)
- 166.1 Newtons pull-out with stainless steel wire

Ordering Information

DermaSpan Acellular Dermal Matrix

Catalog #	Size	Thickness
48-0700404	4 cm – 4 cm	0.5 mm – 0.9 mm
48-0700408	4 cm – 8 cm	0.5 mm – 0.9 mm
48-1100407	4 cm – 7 cm	0.8 mm – 1.4 mm
48-1100510	5 cm – 10 cm	0.8 mm – 1.4 mm
48-1100505	5 cm – 5 cm	0.8 mm – 1.4 mm
48-0900307	3 cm – 7 cm	0.9 mm – 1.99 mm
48-0900407	4 cm – 7 cm	0.9 mm – 1.99 mm
48-0900412	4 cm – 12 cm	0.9 mm – 1.99 mm
48-0900416	4 cm – 16 cm	0.9 mm – 1.99 mm
48-0900510	5 cm – 10 cm	0.9 mm – 1.99 mm
48-0900612	6 cm – 12 cm	0.9 mm – 1.99 mm
48-0900616	6 cm – 16 cm	0.9 mm – 1.99 mm
48-0900812	8 cm – 12 cm	0.9 mm – 1.99 mm
48-0900816	8 cm – 16 cm	0.9 mm – 1.99 mm
48-0901212	12 cm – 12 cm	0.9 mm – 1.99 mm
48-0901620	16 cm – 20 cm	0.9 mm – 1.99 mm

Catalog #	Size	Thickness
48-200.0307	3 cm – 7 cm	2.0 mm – 3.5 mm
48-2000407	4 cm – 7 cm	2.0 mm – 3.5 mm
48-2000412	4 cm – 12 cm	2.0 mm – 3.5 mm
48-2000416	4 cm – 16 cm	2.0 mm – 3.5 mm
48-2000510	5 cm – 10 cm	2.0 mm – 3.5 mm
48-2000612	6 cm – 12 cm	2.0 mm – 3.5 mm
48-2000616	6 cm – 16 cm	2.0 mm – 3.5 mm
48-2000812	8 cm – 12 cm	2.0 mm – 3.5 mm
48-2000816	8 cm – 16 cm	2.0 mm – 3.5 mm
48-2001212	12 cm – 12 cm	2.0 mm – 3.5 mm
48-2001620	16 cm – 20 cm	2.0 mm – 3.5 mm

The DermaSpan Acellular Dermal Matrix is available in multiple sizes and thicknesses. Selection for the appropriate product size is the responsibility of the surgeon based on the individual patient needs. Graft thickness and strength should be considered based on application.

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