

AlloMend[®]

ACELLULAR DERMAL MATRIX

For Demanding Soft Tissue
Repair and Reconstruction



DO MORE WITH LIFE



ALLOMEND® ACELLULAR DERMAL MATRIX

AlloMend Acellular Dermal Matrix (ADM) provides a flexible and reliable allograft that has been used by surgeons for years for demanding soft tissue applications.

Human acellular matrices are used in a broad range of surgical procedures, including:

- Breast reconstruction¹
- Pelvic organ prolapse²
- Tendon augmentation³
- Rotator cuff repair⁴
- Superior capsular reconstruction⁵
- Fat pad replacement⁶
- Hernia repair²
- Bicep tendon repair⁷

ACELLULAR REGENERATION

Through a proprietary process, viable cells and cellular elements that are capable of triggering an immunogenic response are removed from donated human dermal tissue, leaving behind a collagen elastin matrix. Upon transplantation, the body's own cells infiltrate and repopulate this three-dimensional scaffold to begin the revascularization and remodeling processes.

Acellular allograft matrices, unlike synthetic materials or xenografts, are recognized as human tissue by the recipient for graft incorporation, minimizing the risk of inflammation⁸ or rejection⁸. AlloMend has been shown to incorporate into the surgical site and demonstrate blood vessel infiltration.¹⁰

ALLOGRAFT

Minimizes risk of rejection

STERILE

Minimizes risk of infection

ACELLULAR

Minimizes risk of immunologic response

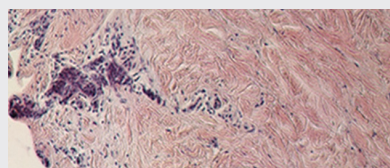
BIOCOMPATIBLE

Minimizes risk of inflammation

DERMATRUE™ DECELLULARIZATION PROCESS

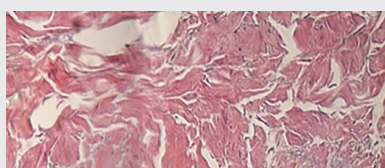
AlloMend ADM is created using AlloSource's proprietary DermaTrue Decellularization Process to remove cellular debris (including DNA, RNA, proteins and antigens), without the use of harsh detergents or enzymes which can leave residuals in the tissue. The dermal tissue is rendered acellular, contributing to a low immunologic response¹⁰, while retaining growth factors and maintaining the morphological collagen structure.¹¹

H&E (hematoxylin and eosin) stain review of "before and after" decellularization process.



BEFORE

Noticeable large number of well-defined cell nuclei (purple)



AFTER

Absence of identifiable defined nuclei; no viable cells present

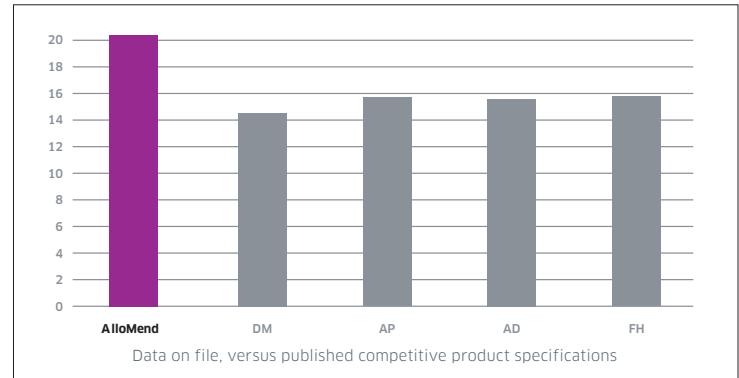
HIGH STRENGTH

AlloMend ADM exceeds the tensile strength of leading acellular dermal matrices for more assurance in surgical repair of integumental tissue.¹²

Ultimate tensile strength is a standard testing methodology to measure the force needed to stretch and break a biomaterial.

AlloMend ADM also demonstrates high suture retention strength, often exceeding the inherent strength of the sutures themselves. AlloMend Ultra-Thick ADM (from 3.0-4.0 mm), can be expected to have a suture pullout strength of between 161 and 270 N. This helps ensure secure placement during the most demanding soft tissue repair.¹³

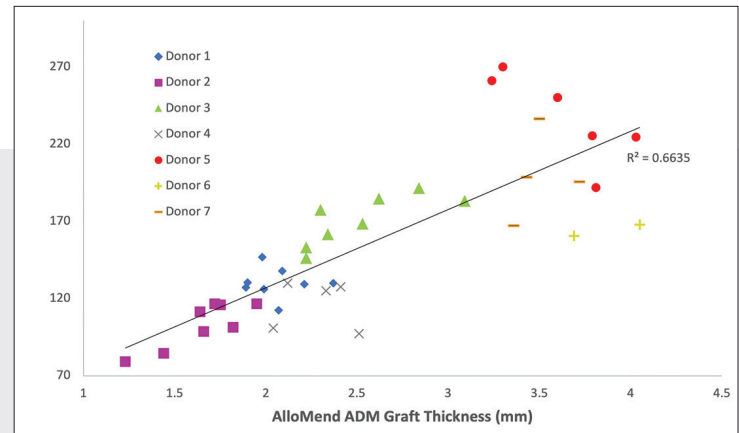
ULTIMATE TENSILE STRENGTH (MPa)



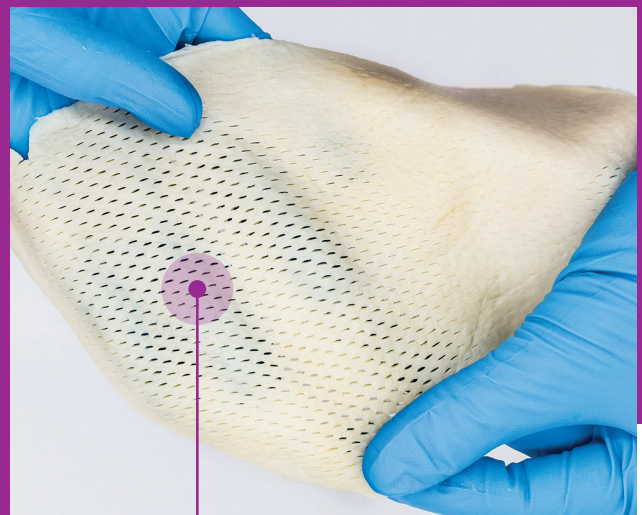
A CLOSER LOOK AT ALLOMEND ADM

- **FLEXIBLE AND PLIABLE MATERIAL**
optimal handling characteristics enable precision placement
- **AVAILABLE IN A VARIETY OF THICKNESSES, SHAPES AND SIZES**
suits a wide range of surgical applications
- **MESHED OPTIONS**
for applications requiring fluid egress or increased graft surface area for incorporation¹⁴
- **PRECISION PROCESSING**
consistency of product through proprietary splitting and die-cutting technology
- **TERMINALLY STERILIZED TO A STERILITY ASSURANCE LEVEL (SAL) OF 10^{-6} , WITH E-BEAM TECHNOLOGY**
minimizes infection risk, while avoiding damaging tissue
- **TWO-YEAR SHELF LIFE AT AMBIENT TEMPERATURE**
no special handling or storage required
- **RETAINS GROWTH FACTORS**
known to contribute to the body's healing response²
- **PACKAGED MOIST IN STERILE WATER**
immediately ready to use, no need to wait for product to rehydrate

SUTURE PULLOUT STRENGTH (N)



AlloMend Mesh Shaped ADM in unique elliptical design.



1:1 MESHING RATIO
increases surface area 97.5%
for faster fluid egress and
potential incorporation¹⁵

AlloMend Medium (M)

ACELLULAR DERMAL MATRIX

MESH	THICKNESS	WIDTH	LENGTH	AREA	CONDITION	STORAGE	REF/PRODUCT #
Non-Meshed	0.5-1.0 mm	2 cm	4 cm	8 cm ²	Sterile	Ambient	73583008
Non-Meshed	0.5-1.0 mm	4 cm	4 cm	16 cm ²	Sterile	Ambient	73583016
Non-Meshed	0.5-1.0 mm	4 cm	8 cm	32 cm ²	Sterile	Ambient	73583032
1:1	0.5-1.0 mm	6 cm	16 cm	96 cm ²	Sterile	Ambient	73583096
1:1	0.5-1.0 mm	8 cm	16 cm	128 cm ²	Sterile	Ambient	73583128
Non-Meshed	0.5-1.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	73583320
1:1*	0.5-1.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	77583320

*1 cm Non-Meshed Border

AlloMend® Thick (T)

ACELLULAR DERMAL MATRIX

MESH	THICKNESS	WIDTH	LENGTH	AREA	CONDITION	STORAGE	REF/PRODUCT #
Non-Meshed	1.0-2.0 mm	2 cm	4 cm	8 cm ²	Sterile	Ambient	73083008
Non-Meshed	1.0-2.0 mm	4 cm	4 cm	16 cm ²	Sterile	Ambient	73083016
Non-Meshed	1.0-2.0 mm	2 cm	12 cm	24 cm ²	Sterile	Ambient	73083024
Non-Meshed	1.0-2.0 mm	4 cm	8 cm	32 cm ²	Sterile	Ambient	73083032
Non-Meshed	1.0-2.0 mm	4 cm	12 cm	48 cm ²	Sterile	Ambient	73083048
Non-Meshed	1.0-2.0 mm	4 cm	16 cm	64 cm ²	Sterile	Ambient	73083064
Non-Meshed	1.0-2.0 mm	6 cm	12 cm	72 cm ²	Sterile	Ambient	73083072
Non-Meshed	1.0-2.0 mm	6 cm	16 cm	96 cm ²	Sterile	Ambient	73083096
Non-Meshed	1.0-2.0 mm	8 cm	16 cm	128 cm ²	Sterile	Ambient	73083128
1:1	1.0-2.0 mm	8 cm	16 cm	128 cm ²	Sterile	Ambient	73303128
Non-Meshed	1.0-2.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	73083320
1:1*	1.0-2.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	77383320

*1 cm Non-Meshed Border

- Kocak E, et al. Biologic matrices in oncologic breast reconstruction after mastectomy. *Expert Review of Medical Devices*. 2014; 11(1): 65-75.
- Pappas G, et al. Biological mesh in hernia repair, abdominal wall defects reconstruction and treatment of pelvic organ prolapse: A review of the clinical evidence. *The American Surgeon*. 2010; 76(11): 1290-99.
- Wilkins R. Acellular dermal grafts augmentation in quadriceps tendon rupture repair. *Current Orthopaedic Practice*. 2010; 21(3): 315-19.
- Barber FA, et al. A prospective, randomized evaluation of acellular human dermal matrix augmentation for arthroscopic rotator cuff repair. *Arthroscopy*. 2012; 28(1): 8-15.
- Frisella A. Superior capsular reconstruction with AlloMend acellular dermal matrix for reconstruction of a massive, irreparable rotator cuff tear. *AlloSource White Paper*. 2017; 00125-LIT [002].
- Farrell J. Augmentation of the plantar fat pad using AlloMend acellular dermal matrix. *AlloSource White Paper*. 2017; 00112-LIT [001].
- Mirzayan R, Sethi P. Distal biceps repair with acellular dermal graft augmentation. *Operative Techniques in Sports Medicine*. 2018; 26(2): 130-35.
- Richters C, et al. Development of a dermal matrix from glycerol preserved allogenic skin. *Cell and Tissue Banking*. 2008; 9(4): 309-15.
- Michael TE. Xenograft risks: What you and your patients need to know. American Academy of Orthopaedic Surgeons. www.aaos.org/news/aaosnow/jun09/research3.asp.
- Stillwell R, Delaney R. The biomechanics of AlloMend acellular dermal matrix: Biocompatibility study. *AlloSource White Paper*. 2016; 00088-LIT [001].
- Delaney R, Stillwell R. The biologic properties of AlloMend acellular dermal matrix: Growth factor study. *AlloSource White Paper*. 2016; 00104-LIT [001].
- Stevens PJ, et al. The biomechanics of AlloMend acellular dermal matrix: Ultimate tensile strength. *AlloSource White Paper*. 2020; 00048-LIT [002].
- Stillwell R, et al. The biomechanics of AlloMend acellular dermal matrix: Suture retention strength. *AlloSource White Paper*. 2020; 00078-LIT [002].
- Blume L, Sakthivel R. The biomechanical properties of meshed AlloMend acellular dermal matrix: Fluid egress and surface area. *AlloSource White Paper*. 2019; 00149-LIT [001].
- Sweitzer K, Caruthers KH, et al. The biomechanical properties of meshed versus perforated acellular dermal matrices (ADMs). *Plast Reconstr Surg Glob Open*. 2021; 9:e345.

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SCAN FOR MORE
INFORMATION



AlloMend Extra-Thick (XT)

ACELLULAR DERMAL MATRIX

MESH	THICKNESS	WIDTH	LENGTH	AREA	CONDITION	STORAGE	REF/PRODUCT #
Non-Meshed	2.0-3.0 mm	4 cm	4 cm	16 cm ²	Sterile	Ambient	73183016
Non-Meshed	2.0-3.0 mm	4 cm	8 cm	32 cm ²	Sterile	Ambient	73183032
Non-Meshed	2.0-3.0 mm	4 cm	16 cm	64 cm ²	Sterile	Ambient	73183064
Non-Meshed	2.0-3.0 mm	6 cm	16 cm	96 cm ²	Sterile	Ambient	73183096
Non-Meshed	2.0-3.0 mm	8 cm	16 cm	128 cm ²	Sterile	Ambient	73183128

AlloMend Ultra-Thick (UT)

ACELLULAR DERMAL MATRIX

MESH	THICKNESS	WIDTH	LENGTH	AREA	CONDITION	STORAGE	REF/PRODUCT #
Non-Meshed	3.0-4.0 mm	4 cm	4 cm	16 cm ²	Sterile	Ambient	73283016
Non-Meshed	3.0-4.0 mm	4 cm	8 cm	32 cm ²	Sterile	Ambient	73283032
Non-Meshed	3.0-4.0 mm	5 cm	7 cm	35 cm ²	Sterile	Ambient	73283035

AlloMend Extra-Large (XL)

ACELLULAR DERMAL MATRIX

MESH	THICKNESS	WIDTH	LENGTH	AREA	CONDITION	STORAGE	REF/PRODUCT #
Non-meshed	0.5-1.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	73583320
1:1*	0.5-1.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	77583320
Non-meshed	1.0-2.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	73083320
1:1*	1.0-2.0 mm	16 cm	20 cm	320 cm ²	Sterile	Ambient	77383320

*1 cm Non-Meshed Border

AlloMend Mesh Shaped

ACELLULAR DERMAL MATRIX

MESH	THICKNESS	WIDTH	LENGTH	AREA	CONDITION	STORAGE	REF/PRODUCT #
1:1	0.5-1.0 mm (M)	8 cm	14 cm	112 cm ²	Sterile	Ambient	77503112
1:1	1.0-2.0 mm (T)	8 cm	14 cm	112 cm ²	Sterile	Ambient	77303112
1:1	0.5-1.0 mm (M)	10 cm	18 cm	180 cm ²	Sterile	Ambient	77503180
1:1	1.0-2.0 mm (T)	10 cm	18 cm	180 cm ²	Sterile	Ambient	77383180
1:1	0.5-1.0 mm (M)	12 cm	22 cm	264 cm ²	Sterile	Ambient	77503264
1:1	1.0-2.0 mm (T)	12 cm	22 cm	264 cm ²	Sterile	Ambient	77303264

AlloSource, a life sciences organization, helps restore patient functionality by transforming the gift of human tissue donation into enhanced medical products that enable a life of movement, health, and wellbeing. We partner with medical professionals and biomedical companies who share our drive for innovation and quality in the use of human tissue allografts for medical advancements. Headquartered in Centennial, Colorado, we have served a global marketplace since 1994. Learn more at allosource.org.

AlloMend® ADM is regulated by the FDA under 21 CFR Part 1271 Human Cells, Tissues, and Cellular and Tissue-Based Products (HCT/PS). AlloSource® is registered with the FDA as a tissue establishment and accredited by the American Association of Tissue Banks.



6278 S Troy Cir
Centennial, CO 80111
USA

MAIN 720.873.0213

allosource.org