



SPARTAN[®]
M E D I C A L

AlloMend[®]

ACELLULAR DERMAL MATRIX



**DOING MORE FOR DEMANDING SOFT TISSUE
REPAIR AND RECONSTRUCTION**



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
- Superior capsular reconstruction³
- Rotator cuff repair⁴
- Tendon augmentation⁵
- Fat pad replacement⁶
- Hernia repair²
- Abdominal wall reconstruction²

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 inflammation⁷ or rejection⁸. AlloMend has been shown to incorporate into the surgical site and demonstrate blood vessel infiltration.⁹

ALLOGRAFT

Minimizes risk of rejection

STERILE

Minimizes risk of infection

ACELLULAR

Minimizes risk of immunologic response

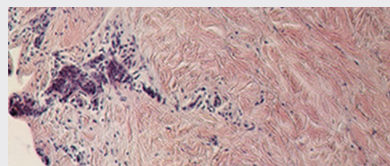
BIOCOMPATIBLE

Minimizes risk of inflammation

DERMATRUE™ DECELLULARIZATION PROCESS

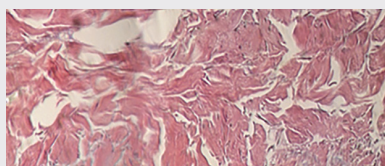
AlloMend ADM is created using AlloSource's proprietary DermaTrue Decellularization Process to remove cellular debris (including DNA, RNA, proteins and antigens), without the use of harsh detergents or enzymes which can leave residuals in the tissue. The dermal tissue is rendered acellular, contributing to a low immunologic response⁹, while retaining growth factors and maintaining the morphological collagen structure.¹⁰

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.¹¹

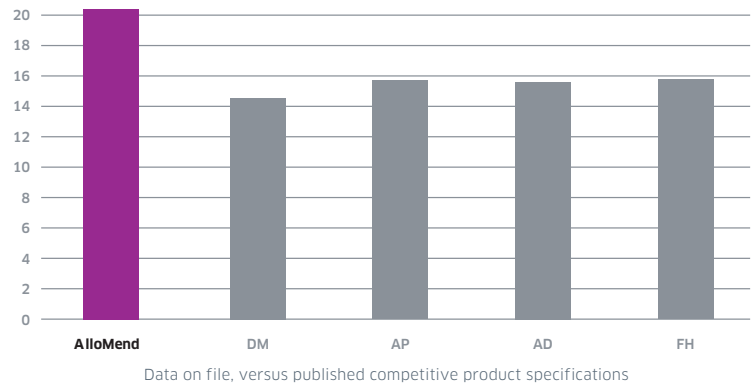
Ultimate tensile strength is a standard testing methodology to measure the force needed to stretch and break a biomaterial.

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.¹²

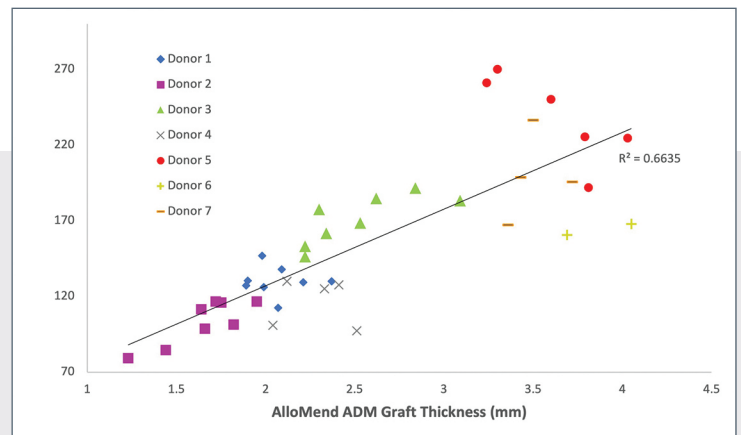
A CLOSER LOOK AT ALLOMEND ADM

- **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 incorporation¹³
- **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

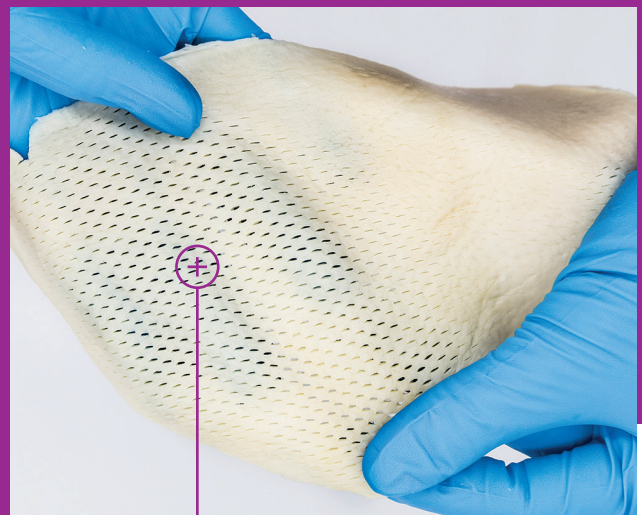
ULTIMATE TENSILE STRENGTH (MPa)



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 incorporation¹⁴

AlloMend® Thick (T)
ACELLULAR DERMAL MATRIX
STORAGE: AMBIENT

MESH	THICKNESS	WIDTH	LENGTH	AREA	DoD Vendor #	OEM #
Non-Meshed	1.0-2.0 mm	2 cm	4 cm	8 cm ²	DLIN3671	73083008
Non-Meshed	1.0-2.0 mm	4 cm	4 cm	16 cm ²	DLIN3672	73083016
Non-Meshed	1.0-2.0 mm	2 cm	12 cm	24 cm ²	DLIN3673	73083024
Non-Meshed	1.0-2.0 mm	4 cm	8 cm	32 cm ²	DLIN3674	73083032
Non-Meshed	1.0-2.0 mm	4 cm	12 cm	48 cm ²	DLIN3675	73083048
Non-Meshed	1.0-2.0 mm	4 cm	16 cm	64 cm ²	DLIN3676	73083064
Non-Meshed	1.0-2.0 mm	6 cm	12 cm	72 cm ²	DLIN3677	73083072
Non-Meshed	1.0-2.0 mm	6 cm	16 cm	96 cm ²	DLIN3678	73083096
Non-Meshed	1.0-2.0 mm	8 cm	16 cm	128 cm ²	DLIN3679	73083128

AlloMend Medium (M)
ACELLULAR DERMAL MATRIX
STORAGE: AMBIENT

MESH	THICKNESS	WIDTH	LENGTH	AREA	DoD Vendor #	OEM #
Non-Meshed	0.5-1.0 mm	2 cm	4 cm	8 cm ²	DLIN3685	73583008
Non-Meshed	0.5-1.0 mm	4 cm	4 cm	16 cm ²	DLIN3686	73583016
Non-Meshed	0.5-1.0 mm	4 cm	8 cm	32 cm ²	DLIN3823	73583032
1:1	0.5-1.0 mm	6 cm	16 cm	96 cm ²	DLIN3691	73583096
1:1	0.5-1.0 mm	8 cm	16 cm	128 cm ²	DLIN3649	73583128

AlloMend Extra-Thick (XT)
ACELLULAR DERMAL MATRIX
STORAGE: AMBIENT

MESH	THICKNESS	WIDTH	LENGTH	AREA	DoD Vendor #	OEM #
Non-Meshed	2.0-3.0 mm	4 cm	4 cm	16 cm ²	DLIN3680	73183016
Non-Meshed	2.0-3.0 mm	4 cm	8 cm	32 cm ²	DLIN3681	73183032
Non-Meshed	2.0-3.0 mm	4 cm	16 cm	64 cm ²	DLIN3682	73183064
Non-Meshed	2.0-3.0 mm	6 cm	16 cm	96 cm ²	DLIN3683	73183096
Non-Meshed	2.0-3.0 mm	8 cm	16 cm	128 cm ²	DLIN3684	73183128

AlloMend Ultra-Thick (UT)
ACELLULAR DERMAL MATRIX
STORAGE: AMBIENT

MESH	THICKNESS	WIDTH	LENGTH	AREA	DoD Vendor #	OEM #
Non-Meshed	3.0-4.0 mm	4 cm	4 cm	16 cm ²	DLIN3688	73283016
Non-Meshed	3.0-4.0 mm	4 cm	8 cm	32 cm ²	DLIN3689	73283032
Non-Meshed	3.0-4.0 mm	5 cm	7 cm	35 cm ²	DLIN3690	73283035

AlloMend Mesh Shaped
ACELLULAR DERMAL MATRIX
STORAGE: AMBIENT

MESH	THICKNESS	WIDTH	LENGTH	AREA	DoD Vendor #	OEM #
1:1	1.0-2.0 mm	10 cm	18 cm	180 cm ²	DLIN3824	77383180

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LEARN MORE:

Contact Spartan Medical Inc.



(888) 240-8091



CS@SPARTANMEDICAL.COM



SPARTAN MEDICAL INC.
1445 Research Blvd, Suite 520,
Rockville, MD 20850
spartanmedical.com
UEI: LCJBD88KQ8G3
DUNS: 807438341 | CAGE:65VT5

