



ALLOMEND<sup>®</sup>  
DOING MORE  
FOR SOFT TISSUE  
REPAIR AND  
RECONSTRUCTION.

ACELLULAR DERMAL MATRIX





## INTRODUCING ALLOMEND®

AlloSource, a non-profit supplier of allografts and one of the nation's leading tissue banks, introduces AlloMend Acellular Dermal Matrix (ADM) to bring the benefits of regenerative medicine to more patients.

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

- Tendon augmentation<sup>1</sup>
- Fat pad replacement<sup>2</sup>
- Rotator cuff repair<sup>3</sup>
- Superior capsular reconstruction<sup>4</sup>
- Breast reconstruction<sup>5</sup>
- Pelvic organ prolapse<sup>6</sup>
- Hernia repair<sup>6</sup>
- Abdominal wall reconstruction<sup>6</sup>



## 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 body for graft incorporation by the recipient, minimizing the risk of inflammation<sup>7</sup> or rejection<sup>8</sup>. AlloMend has been shown to incorporate into the surgical site and demonstrates blood vessel infiltration.

Allograft	Minimizes risk of rejection
Sterile	Minimizes risk of infection
Acellular	Minimizes risk of immunologic response
Biocompatible	Minimizes risk of inflammation

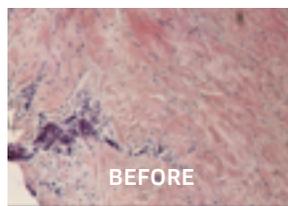


## ALLOMEND BASICS

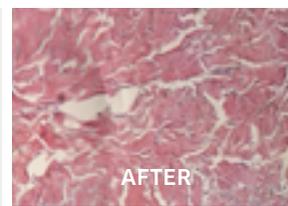
### THOROUGH DECELLULARIZATION

AlloMend ADM utilizes a dynamic tissue cleansing process, without the use of detergents or enzymes. The result is thorough decellularization, but with no harmful residuals in the tissue.

AlloMend processing results in significant removal of cellular debris, including, DNA, RNA, proteins and antigens, without altering the morphological collagen structure.



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



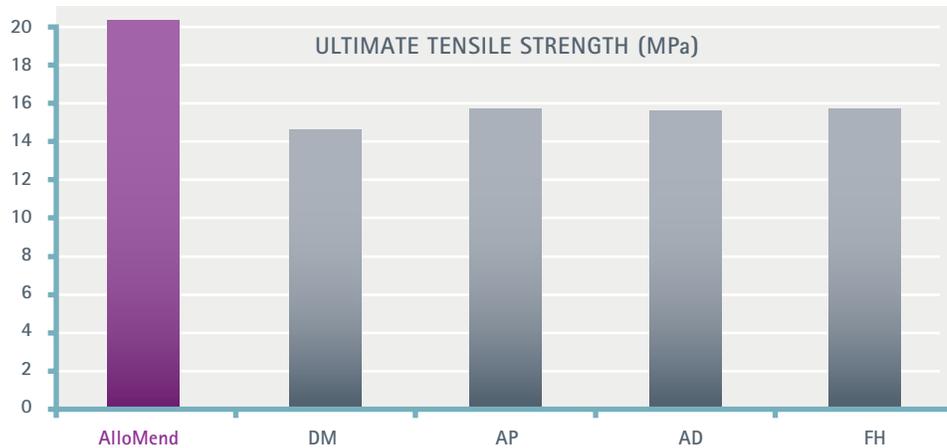
Absence of identifiable defined nuclei; no viable cells present

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

## HIGH STRENGTH

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

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



Data on file, versus published competitive product specifications

AlloMend ADM also demonstrates high suture retention strength, often exceeding the inherent strength of the sutures themselves.

This helps ensure secure placement during the most demanding soft tissue repair.

## A CLOSER LOOK AT ALLOMEND

- **Flexible and pliable material** - optimal handling characteristics enable precision placement
- **Available in a variety of thicknesses, sizes and meshing** - wide range of surgical applications
- **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 in room-temperature conditions** - no special handling or storage required
- **Retains growth factors** - known to contribute to the body's healing response
- **Packaged moist** - immediately ready to use, no need to wait for product to rehydrate

### SAFETY AND QUALITY OF ALLOMEND

AlloSource requires a comprehensive donor physical assessment and a complete medical and social history to identify and eliminate donors that may be at risk of transmitting certain viruses and diseases. Our donor acceptance criteria are based on regulations established by the U.S. Food and Drug Administration (FDA), the American Association of Tissue Banks (AATB) Standards, as well as additional requirements set by the AlloSource Medical Advisory Board.

Donors must test negative or non-reactive in the following assays:

- |  |   |
|--|---|
| - Antibody to Hepatitis C (HCV)                              | - Hepatitis C Virus (HCV NAT)                                     |
| - Antibody to Human Immunodeficiency Virus 1 & 2 (HIV 1 & 2) | - Hepatitis B Virus (HBV NAT)                                     |
| - Hepatitis B Core IgG/IgM Antibody (HBcAb)                  | - Human Immunodeficiency Virus Type 1 (HIV-1 NAT)                 |
| - Hepatitis B Surface Antigen (HBsAg)                        | - Rapid Plasma Reagin or Serologic Test for Syphilis (RPR or STS) |

AlloSource's allograft tissue is supplied exclusively by our partner organ procurement organizations, located domestically.



# ORDERING INFORMATION

TOLL FREE

**800. 557. 3587**

## AlloMend® Acellular Dermal Matrix

STERILE	PRODUCT DESCRIPTION		
73583008	2 x 4 cm	(8 cm <sup>2</sup> )	0.4 - 1.0 mm (M)
73583016	4 x 4 cm	(16 cm <sup>2</sup> )	0.4 - 1.0 mm (M)
73583032	4 x 8 cm	(32 cm <sup>2</sup> )	0.4 - 1.0 mm (M)
73583096	6 x 16 cm	(96 cm <sup>2</sup> ), 1:1 meshed	0.4 - 1.0 mm (M)
73583128	8 x 16 cm	(128 cm <sup>2</sup> ), 1:1 meshed	0.4 - 1.0 mm (M)
73083008	2 x 4 cm	(8 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083024	2 x 12 cm	(24 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083016	4 x 4 cm	(16 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083032	4 x 8 cm	(32 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083048	4 x 12 cm	(48 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083064	4 x 16 cm	(64 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083072	6 x 12 cm	(72 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083096	6 x 16 cm	(96 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73083128	8 x 16 cm	(128 cm <sup>2</sup> )	1.0 - 2.0 mm (T)
73183016	4 x 4 cm	(16 cm <sup>2</sup> )	2.0 - 3.3 mm (XT)
73183032	4 x 8 cm	(32 cm <sup>2</sup> )	2.0 - 3.3 mm (XT)
73183064	4 x 16 cm	(64 cm <sup>2</sup> )	2.0 - 3.3 mm (XT)
73183016	6 x 16 cm	(96 cm <sup>2</sup> )	2.0 - 3.3 mm (XT)
73183128	8 x 16 cm	(128 cm <sup>2</sup> )	2.0 - 3.3 mm (XT)

(M) Medium, (T) Thick, (XT) Extra-Thick

Other sizes and meshing options may be available on request



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For more information,  
please call 720. 873. 0213  
or visit [allosource.org](http://allosource.org)

## REFERENCES

1. Wilkins, R. Acellular dermal grafts augmentation in quadriceps tendon rupture repair. *Current Orthopaedic Practice*. 21(3): 315-19 (2010).
2. Farrell, J. Augmentation of the plantar fat pad using AlloMend® Acellular Dermal Matrix. *AlloSource White Paper*. 2017.
3. Barber FA, et al. A prospective, randomized evaluation of acellular human dermal matrix augmentation for arthroscopic rotator cuff repair. *Arthroscopy*. 28(1): 8-15 (2012).
4. Frisella, A. Superior capsular reconstruction with AlloMend® Acellular Dermal Matrix for reconstruction of a massive, irreparable rotator cuff tear. *AlloSource White Paper*. 2017.
5. Kocak E, et al. Biologic matrices in oncologic breast reconstruction after mastectomy. *Expert Review of Medical Devices*. 11(1): 65-75 (2014).
6. 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*. 76(11): 1290-99 (2010).
7. Richters C, et al. Development of a dermal matrix from glycerol preserved allogenic skin. *Cell and Tissue Banking*. 9(4): 309-15 (2008).
8. 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](http://www.aaos.org/news/aaosnow/jun09/research3.asp)

AlloSource, a non-profit organization, offers more than 200 types of precise bone, skin, soft-tissue and custom-machined allografts for use in an array of life-saving and life-enhancing medical procedures. Committed to honoring the gift of donation, the company delivers unparalleled expertise and customer service to its network of surgeons, partners and the country's most reputable Organ Procurement Organizations.

AlloSource is a leader in tissue processing, including cellular allografts, fresh skin allografts for severe burns and fresh cartilage tissue for joint repair.