

ACELLULAR DERMAL MATRICES (ADM)

User Support Guide

Strictly confidential | March 2026

This guide was developed in collaboration with suppliers, and the information presented has been validated by them. The Instructions for Use accompanying each product remain the primary reference. Additional information is available on the supplier's website.

PRINCIPAL CHARACTERISTICS:

Choosing your ADM

- ✓ Variety of dimensions (sizes) available
- ✓ Variety of thicknesses available
- ✓ Thickness consistency
- ✓ Cutting/Shape (pre-shaped – rectangular)
- ✓ Perforation and perforation type (perforated, meshed and fenestrated)
- ✓ Orientation for application
- ✓ Preparation for use (time)
- ✓ Sterility (methods of sterilization and Sterility Assurance Level (SAL))
- ✓ Biomechanical Strength: Ultimate Tensile Strength (UTS), Ultimate Load to Failure, Suture Retention Strength (SRS)
- ✓ Decellularization process
- ✓ Price
- ✓ Indications for use / Clinical application

This guide excludes the ADMs offered in the “maxillofacial and dental” section of our catalog.

ACELLULAR DERMAL MATRICES (ADM) User Support Guide

Products available in our catalogue

Allergan Aesthetics
an AbbVie company

AlloDerm™
Regenerative Tissue Matrix



AlloSource®
LIFE SCIENCES

AlloMend®
ACELLULAR DERMAL MATRIX



LifeNet Health®

ArthroFLEX®
Acellular Dermal Matrix



Clinical application by product type

Indication*	Allergan Aesthetics	AlloSource		LifeNet Health
	AlloDerm™	AlloMend®	AlloMend® Duo	ArthroFLEX®
Plastic and Reconstructive Surgery		X	X	
Breast reconstruction	X	X	X	
Reconstructive surgery following deep burn injuries			X	
General Surgery		X	X	
Hernia repair		X		
Uro-Gynecologic Surgery			X	
Pelvic organ prolapse			X	
Orthopedic Surgery		X		
Superior capsular reconstruction		X		X
Rotator cuff Augmentation		X		X
Fat pad replacement		X	X	X
Tendon augmentation		X		X

* The indications listed are based on the official approvals issued by each supplier. However, this does not prevent the use of these products for other clinically recognized indications within the network, in accordance with current professional practices.

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PRINCIPAL CHARACTERISTICS: AlloDerm™



STERILITY:

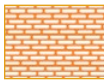
- Irradiated - Sterilization by e-beam technology
- Sterility Assurance Level (SAL): 10^{-3}

CONSERVATION: ambient, 2 years shelf life

- Refer to the included temperature monitoring device to ensure the product has been stored under condition within the tolerance limits.

PERFORATION:

- Perforated
- Meshed
- Fenestrated



CUTTING/SHAPE OPTIONS:

- Pre-shaped
- Rectangular



MULTIPLE SIZE OPTIONS:

- 4 sizes of pre-shaped (77 cm² to 200 cm²)
- 24 sizes of rectangular (2 cm² to 320 cm²)

MULTIPLE THICKNESSES OPTIONS:

- 3 thicknesses of pre-shaped (1.0 ± 0.2 mm to 2.4 ± 0.4 mm)
- 5 thicknesses of rectangular (0.55 ± 0.25 mm to 3.4 ± 0.6 mm)

DECELLULARIZATION PROCESS:

Information not available

BIOMECHANICAL STRENGTH:

Information not available

PREPARATION FOR USE: 2 min

- Soak the tissue for at least 2 minutes in a sterile basin, filled with saline solution or a lactated Ringer's solution. Tissue must be covered. The Instructions for Use accompanying each product remain the primary reference.

ORIENTATION FOR APPLICATION:

- Directional orientation: The dermal side must be placed on the most vascularized tissue.
 - Supplier recommendation for determining orientation: The blood drop method.

PRICE RANGE:

- Pre-shaped: ~ \$2,220 to \$5,825
- Rectangular: ~ \$150 to \$9,300



ACELLULAR DERMAL MATRICES (ADM) User Support Guide

PRINCIPAL CHARACTERISTICS:

AlloMend® / AlloMend® Duo

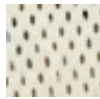


STERILITY:

- Irradiated - Sterilization by e-beam technology
- Packaged in pure sterile water media
- Sterility Assurance Level (SAL): 10^{-6}

CONSERVATION: Ambient, 2 years shelf life

PERFORATION:



- Meshed 1:1
 - Increases surface area
 - Allow fluids egress to guard against seroma formation
- Non-meshed format

CUTTING/SHAPE OPTIONS:

- Pre-shaped
 - Elliptical design for surgical conformity.
- AlloMend XL Rectangular
 - Meshed grafts have a 1 cm non-meshed border for more secure suturing.

MULTIPLE SIZE OPTIONS:

- 3 sizes of pre-shaped (112 cm² to 264 cm²)
- 14 sizes of rectangular (8 cm² to 320 cm²)

MULTIPLE THICKNESSES OPTIONS:

- 2 thicknesses of pre-shaped (0.75 ± 0.25 mm to 1.5 ± 0.5 mm)
- 4 thicknesses of rectangular (0.75 ± 0.25 mm to 3.5 ± 0.5 mm)

CONSISTENT THICKNESS:

- Precise dermal splitting ensuring graft consistency and 5 points of thickness verification is performed on every graft.

DECELLULARIZATION PROCESS - DERMATRUE™:

- Dynamic tissues cleaning without the use of detergent or enzymes.
- Renders tissue acellular, removal of cellular debris (DNA, RNA, proteins, antigens) contributes to low host immunogenic response.
- Retains growth factors and maintains intact collagen and elastin structure.

BIOMECHANICAL STRENGTH:

- Ultimate Tensile Strength (UTS): 20.7 MPa \pm 2.2
- Suture Retention Strength (SRS): 61.4 N/mm thickness (mean value)

PREPARATION FOR USE: Ready to use. No rinsing necessary. The Instructions for Use accompanying each product remain the primary reference.

ORIENTATION FOR APPLICATION:

AlloMend® - Contains basement membrane on single side with dermal layer. Dermal side goes toward tissue to be revascularized.

- Notched landmark to assist with dermal orientation.

AlloMend® Duo - Deep Dermal cut for nondirectional application. Identical open cellular structures on both sides.

- No orientation required.

PRICE RANGE:

- Pre-shaped: ~ \$2,530 to \$6,000
- Rectangular: ~ \$360 to \$7,300



Additional information is available on the supplier's website

[AlloMend® - AlloSource](#)

ACELLULAR DERMAL MATRICES (ADM) User Support Guide

PRINCIPAL CHARACTERISTICS:

ArthroFLEX®



STERILITY:

- Irradiated - Sterilization by low-dose of gamma irradiation
- Sterility Assurance Level (SAL): 10^{-6}

CONSERVATION: Room temperature (15°C - 30°C) (Preservon®), 3 years shelf life

PERFORATION: Non-perforated

CUTTING/SHAPE OPTIONS: Rectangular

MULTIPLE SIZE OPTIONS:

- 10 sizes (6 cm² to 45 cm²)

MULTIPLE THICKNESS OPTIONS

- 5 thicknesses (0.65 ± 0.35 mm to 3.0 ± 0.5 mm)

DECELLULARIZATION PROCESS - MATRACELL®:

- Remove ≥ 97% DNA and cellular remnants to decrease likelihood of immune response.
- Retains endogenous growth factors, collagen and elastin.

BIOMECHANICAL STRENGTH:

Based on 2-mm thick MatrACELL/ArthroFlex:

- Ultimate Load to Failure: 635.4 ± 199.9 N
- Suture Retention Strength (SRS): 145.4 ± 55.1 N

PREPARATION FOR USE:

Immediately ready-to-use, no rinsing necessary. However, a rinse may improve handling and if it is preferred by the physician, please refer to the rinse instructions.

ORIENTATION FOR APPLICATION:

- In general, when applied, the papillary side will face up while the reticular side is placed against the surgical wound or the most vascularized tissue.
- **Supplier recommendation for determining orientation:** The dermis is packaged with the papillary side visible through the clear side of the packaging. The papillary side should be marked with a sterile marker immediately after opening the inner pouch.

PRICE RANGE:

- ~ \$970 to \$4,050



Additional information is available on the supplier's website

[ArthroFlex® | LifeNet Health](#)

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CHARACTERISTICS SUMMARY TAB

Allergan Aesthetics

AlloSource

LifeNet Health



AlloMend®
ACELLULAR DERMAL MATRIX

ArthroFLEX®
Acellular Dermal Matrix

INDICATIONS FOR USE

ALLODERM SELECT™ RTM is intended for the repair or replacement of damaged or inadequate integument, or for other homologous uses of human integument.

ALLODERM SELECT™ RTM is intended for use in post-mastectomy breast reconstruction surgical procedures where the use of acellular dermal matrix (ADM) is considered homologous, such as managing a potential skin defect created from harvesting tissue for use in autologous tissue reconstruction.

AlloMend® DUO
ACELLULAR DERMAL MATRIX

INDICATIONS FOR USE

AlloMend® ADM may be used for the repair or replacement of damaged or inadequate skintissue, or for other homologous uses, including various reconstructive procedures.

INDICATIONS FOR USE

Decellularized dermis serves as a scaffold which is suitable for the reinforcement of damaged or inadequate integumental tissue at the surgical site. ArthroFlex® is an acellular dermal matrix used to supplement soft tissue repairs such as the Achilles tendon and rotator cuff.



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Characteristics Summary Tab

Characteristics	AlloDerm™	AlloMend®/Allomend® Duo	ArthroFLEX®
Indications for use according to supplier*	Primary indication(s): • Breast reconstruction	Primary indication(s): • Breast reconstruction Other indications: • Pelvic organ prolapse • Superior capsular reconstruction • Rotator cuff repair • Tendon augmentation • Fat pad replacement • Hernia repair (Hiatal) • Soft tissue deficit repair and restoration.	Primary indication(s): • Augment repairs of the rotator cuff • Supplemental support for surgical repairs of the Achilles, biceps, quad and patellar tendons • Reinforce peroneal/tibialis tendons and flexor/extensor tendons of hand and foot • Reinforce capsular repairs
Price range (CAD)	Pre-shaped: ~ \$2,220 to \$5,825 Rectangular: ~ \$150 to \$9,300	Pre-shaped: ~ \$2,530 to \$6,000 Rectangular: ~ \$360 to \$7,300	~ \$970 to \$4,050
Conservation	Ambient 2 years shelf life	Ambient 2 years shelf life	Room temperature (15°C - 30°C) (Preservon®) 3 years shelf life
Preparation	Soak the tissue for at least 2 minutes in a sterile basin, filled with saline solution or a lactated Ringer's solution. Tissue must be covered.	Immediately ready-to-use, no rinsing necessary.	Immediately ready-to-use, no rinsing necessary. However, a rinse may improve handling and if it is preferred by the physician, please refer to the rinse instructions.
Orientation for application	Directional orientation: The dermal side must be placed on the most vascularized tissue.	2 options available: • AlloMend®- Directional; Dermal side goes toward tissue to be revascularized. • AlloMend® Duo- Deep Dermal cut for non-directional application.	Directional orientation: The papillary side will face up while the reticular side is placed against the surgical wound or the most vascularized tissue.
Perforation	Perforated Non-perforated Meshed Fenestrated	Meshed Non-Meshed	Non-perforated
Cutting/shape options	Pre-shaped Rectangular	Pre-shaped Rectangular	Rectangular
Size options	Pre-shaped: 4 sizes (77 cm ² to 200 cm ²) Rectangular: 24 sizes (2 cm ² to 320 cm ²)	Pre-shaped: 3 sizes (112 cm ² to 264 cm ²) Rectangular: 14 sizes (8 cm ² to 320 cm ²)	10 sizes (6 cm ² to 45 cm ²)
Thickness options	Pre-shaped: 3 thicknesses (1.0 ± 0.2 mm to 2.4 ± 0.4 mm) Rectangular: 5 thicknesses (0.55 ± 0.25 mm to 3.4 ± 0.6 mm)	Pre-shaped: 2 thicknesses (0.75 ± 0.25 mm to 1.5 ± 0.5 mm) Rectangular: 14 thicknesses (0.75 ± 0.25 mm to 3.5 ± 0.5 mm)	5 thickness (0.65 ± 0.35 mm to 3.0 ± 0.5 mm)
Sterility	By e-beam technology SAL 10 ⁻³	By e-beam technology SAL 10 ⁻⁶	By low-dose of gamma irradiation SAL 10 ⁻⁶
Growth factors	No	Yes	Yes
Biomechanical Strength	Information not available	Ultimate Tensile Strength (UTS) : 20.7 MPa ± 2.2 Suture Retention Strength (SRS) : 61.4 N/mm thickness (mean value)	<i>Based on 2-mm thick MatrACELL/ ArthroFlex:</i> Ultimate Load to Failure: 635.4 ± 199.9 N Suture Retention Strength (SRS): 145.4 ± 55.1 N
Website	AlloDerm RTM	AlloMend® - AlloSource	ArthroFlex® LifeNet Health

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