



Parametrics**Medical**

Coll-e-DermTM **RT**

A Sports Focused and Surgery-Ready Acellular Dermis

Hydrated

Human Acellular
Dermal Matrix



DePuy Synthes

MITEK SPORTS MEDICINE

PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

What is Coll-e-Derm **RT**?

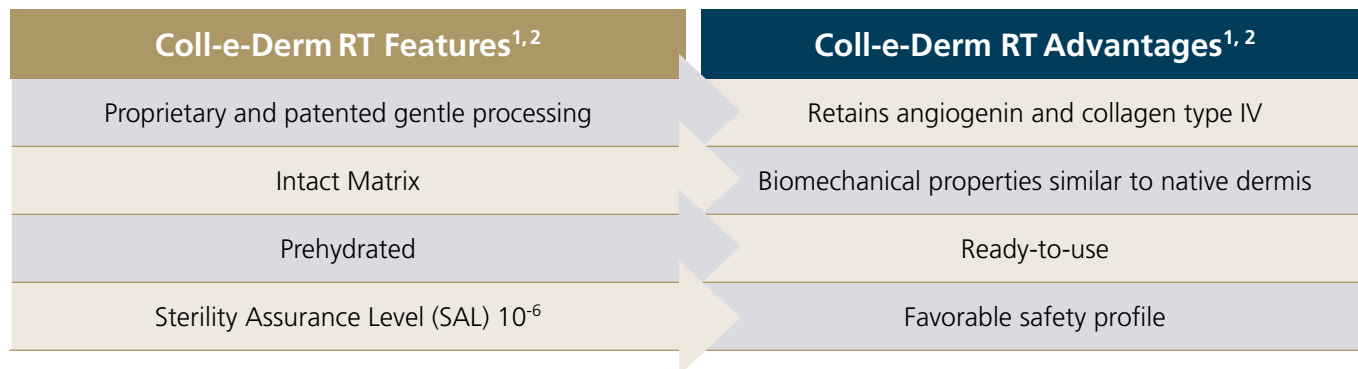
Coll-e-Derm RT is a prehydrated human acellular dermal matrix that retains angiogenin and collagen type IV. Angiogenin and collagen type IV may play a key role in supporting revascularization.¹



What Advantages Does Coll-e-Derm **RT** Offer?

Using a proprietary, patented and gentle process, a sterility assurance level (SAL) of 10^{-6} is achieved, while retaining angiogenin and collagen type IV of native dermis.¹

By preserving a more intact matrix, Coll-e-Derm RT maintains similar biomechanics to native dermis.¹



¹ Testing performed by independent laboratory. Data on file, Aziyo Biologics. Animal and bench testing results may not necessarily be indicative of clinical performance.

² Coll-e-Derm RT Hydrated Instructions for Use

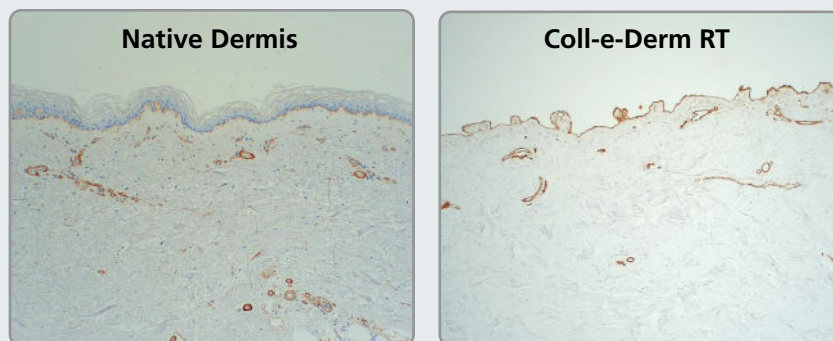
Coll-e-Derm RT Hydrated is to be used for the repair or replacement of damaged or insufficient integumental tissue or for other homologous uses of human integument.

How Does Coll-e-Derm **RT** Compare to Native Dermis?

Coll-e-Derm RT is proven to retain angiogenin and collagen type IV¹

Coll-e-Derm RT maintains structural integrity, mechanical strength, and collagen stability similar to native dermis.¹

Figure 1. The brown staining identifies collagen type IV, which is present in the basement membrane at the epidermis-dermis junction and around blood vessels. Collagen type IV is known to be involved in pathways that support blood vessel formation such as angiogenesis. Angiogenesis is the physiological process through which new blood vessels form from pre-existing vessels.



Collagen IV staining

	Mechanical Strength ¹		Collagen Stability ¹	
	Suture retention strength (N/mm)	Onset T ^m (°C)	% Soluble Col (w/w)	% Digested Col (w/w)
Native	61.0 ± 4.1	64.2 ± 0.2	47.6 ± 1.3	21.9
Coll-e-Derm RT	61.1 ± 12.2	61.3 ± 0.9	62.6 ± 1.2	26.7

Figure 2.

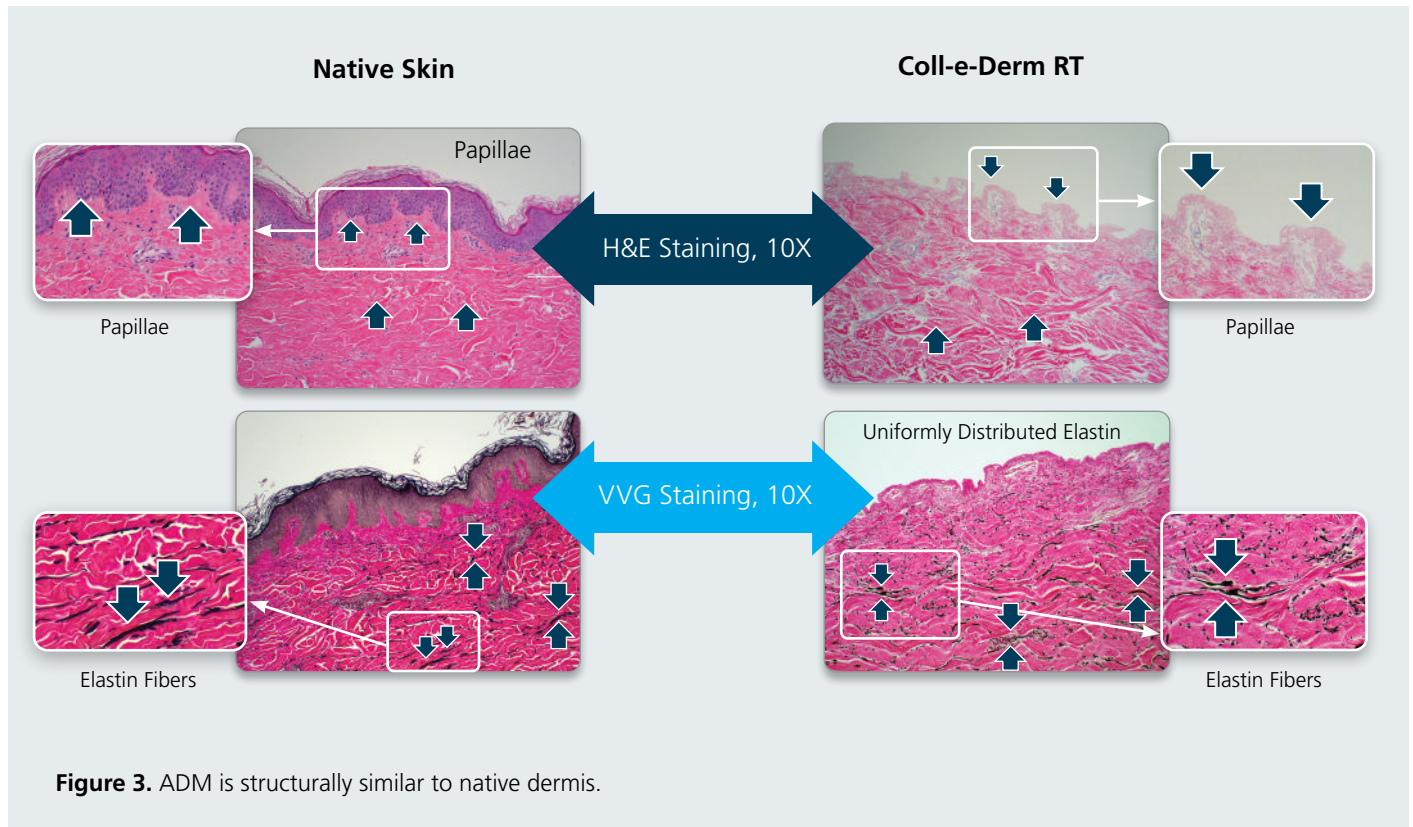
- Onset T^m: Temperature where a substance starts to melt
- % Soluble Collagen (w/w): Percentage of collagen fiber that can be dissolved in acid
- % Digested Collagen (w/w): Percentage of collagen fiber that is unraveled (in this case by collagenase type I)

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Potential for Robust Remodeling

Coll-e-Derm RT prehydrated Acellular Dermal Matrix (ADM) maintains structural attributes of native dermis that may facilitate remodeling.¹

Similar to native dermis, Coll-e-Derm RT retains intact collagen, elastin, and vascular structure that may provide a robust platform for allograft integration.¹



- Hematoxylin and eosin (H&E) staining shows cellular and tissue structure detail.
- Verhoeff-Van Gieson (VVG) staining differentiates collagen and other connective tissues, and highlights elastin fibers. Elastin fibers are connective tissue fibers that allow tissue to stretch.

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In direct comparison to AlloDerm® Ready-To-Use, Coll-e-Derm **RT** Hydrated demonstrated:¹

Greater Tissue Strength

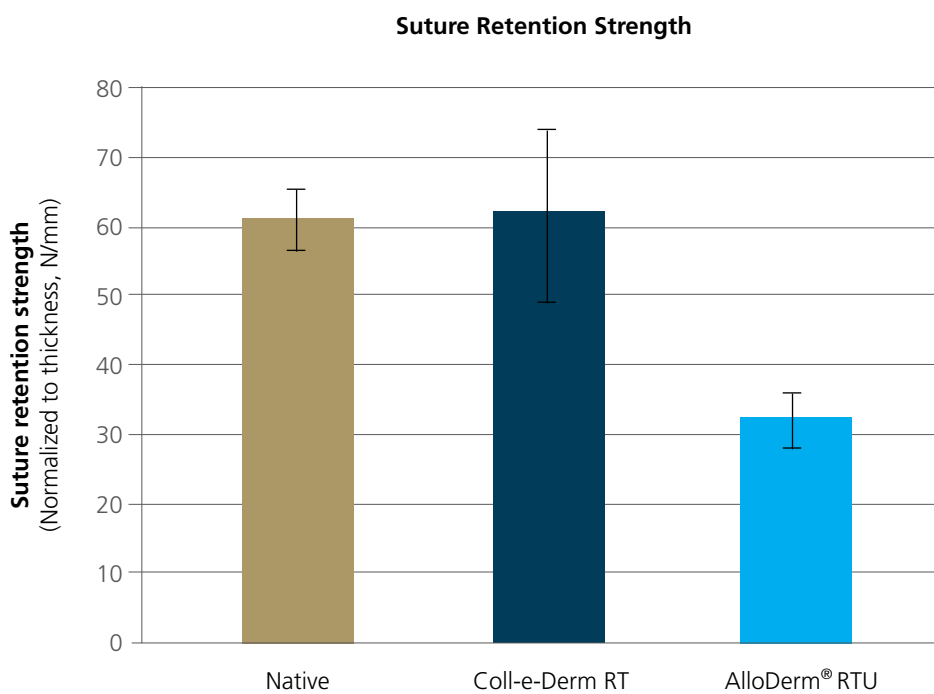


Figure 7. Coll-e-Derm RT retained mechanical properties, measured by suture retention strength, closest to that of Native Dermis.^{1*}

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Coll-e-Derm **RT**

A Sports Focused and Surgery-Ready Acellular Dermis



Coll-e-Derm **RT** is a prehydrated human acellular dermal matrix with a sterility assurance level (SAL) of 10^{-6} .² It is available in a variety of sizes and thicknesses, and requires a minimal 2-minute sterile soak for convenient intraoperative use.²

- ✓ Intact extracellular matrix¹
- ✓ Greater suture retention^{1,3}
- ✓ Retains angiogenin and collagen type IV¹
- ✓ Collagen stability¹
- ✓ Enhanced pliability¹
- ✓ Biomechanical properties similar to native dermis¹

Coll-e-Derm RT is treated with a proprietary, patented and gentle decellularization process which retains structural integrity, mechanical strength, and collagen stability similar to native dermis. Coll-e-Derm RT retains angiogenin and collagen type IV that may play a role in supporting revascularization.

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² Coll-e-Derm RT Hydrated Instructions for Use

³ Compared to tested competitors (see Figure 7).

Coll-e-Derm™ **RT**, Meshed, Hydrated (0.4 - 0.8 mm)

ACDMHY0404RT	Coll-e-Derm RT Patch, Meshed	4x4
ACDMHY0408RT	Coll-e-Derm RT Patch, Meshed	4x8

Coll-e-Derm™ **RT**, Thin, Hydrated (0.63 - 1.48 mm)

ADTHY0101RT	Coll-e-Derm RT Patch, Thin	1x1
ADTHY0102RT	Coll-e-Derm RT Patch, Thin	1x2
ADTHY0104RT	Coll-e-Derm RT Patch, Thin	1x4
ADTHY0202RT	Coll-e-Derm RT Patch, Thin	2x2
ADTHY0204RT	Coll-e-Derm RT Patch, Thin	2x4
ADTHY54RT	Coll-e-Derm RT Patch, Thin	5x4

Coll-e-Derm™ **RT**, Medium, Hydrated (0.90 - 1.99 mm)

ADMHY0307RT	Coll-e-Derm RT Patch, Medium	3x7
ADMHY0407RT	Coll-e-Derm RT Patch, Medium	4x7
ADMHY0412RT	Coll-e-Derm RT Patch, Medium	4x12
ADMHY0416RT	Coll-e-Derm RT Patch, Medium	4x16
ADMHY54RT	Coll-e-Derm RT Patch, Medium	5x4
ADMHY105RT	Coll-e-Derm RT Patch, Medium	5x10

Coll-e-Derm™ **RT**, SCR, Hydrated (3.00 - 3.50 mm)

SCRHY543RT	Coll-e-Derm RT Patch, SCR	5x4
SCRHY473RT	Coll-e-Derm RT Patch, SCR	4x7



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Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions.

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