VERITAS Indications for Use

VERITAS Collagen Matrix is intended for use in reconstruction of the pelvic floor excluding transvaginal pelvic organ prolapse and for use in the repair of rectal prolapse excluding rectocele.

VERITAS Collagen Matrix is intended for use as an implant for the surgical repair of soft tissue deficiencies: abdominal and thoracic wall repair, muscle flap reinforcement and repair of hernias (e.g., diaphragmatic, femoral, incisional, inguinal, lumbar, paracolostomy, scrotal, umbilical).

VERITAS Collagen Matrix minimizes tissue attachment to the device in case of direct contact with viscera.

Contraindications:
Use of VERITAS Collagen Matrix is contraindicated in patients with a known sensitivity to bovine material.

Adverse Reactions:
As with any surgical procedure, adverse reactions are possible and include but are not limited to: infection, rejection, erosion, and allergic reaction.

Rx Only. For safe and proper use of this device refer to the complete Instructions for Use.

5. VERITAS Collagen Matrix Instructions For Use 0722007A 3/2013
8. ALLODERM Instructions for Use.

*Pre-clinical data results may not correlate to results in humans.
VERITAS Collagen Matrix Remodels Faster Than Other Biologic Meshes

- VERITAS Collagen Matrix remodels significantly faster at 1 month than ALLODERM, STRATTICE, PERMACOL, and PERI-GUARD Reconstructive Tissue Matrixes.

- The Composite Remodeling Score used in this study included the following six subcategories:
  - ECM deposition
  - Scaffold degradation
  - Neovascularization
  - Cell types
  - Fibrous encapsulation
  - Cellular infiltration

![Composite Score at 1 Month](image)

*Pre-clinical data results may not correlate to results in humans.*
Finish strong*

**Strength Out of the Package Does Not Correlate to Strength of the Repair**

- Strength of the mesh out of the box does not correlate to strength of the repair after 1, 6, and 12 months$^{1,2}$

- VERITAS Collagen Matrix out of the package is more than 6 times stronger than the native **abdominal wall** in the porcine ventral hernia repair model$^{1,2}$

- After 1 month of implantation, there is no significant difference in strength between sites repaired with ALLODERM, STRATTICE, PERMACOL, PERI-GUARD, or VERITAS Matrixes ($p > 0.05$)$^1$

- After 12 months of implantation, there is no change in the strength of the VERITAS Collagen Matrix repaired site ($p > 0.05$)$^2$

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**Tensile Strength – De Novo and 1 Month Scores$^3$**

![Tensile Strength Chart]

De Novo $p < 0.01$

1 Month $p > 0.05$

Information on the back of this brochure.
A balance of scaffold degradation and new tissue deposition

Remodeling of the VERITAS Collagen Matrix consists of two simultaneous processes that occur during the course of normal wound healing:

- Scaffold degradation of the VERITAS Collagen Matrix
- New tissue and blood vessel deposition

Because remodeling of the VERITAS Collagen Matrix is a balanced process of new tissue and blood vessel deposition and scaffold degradation, it helps ensure the long-term, structural integrity of the implant.

"True remodeling requires a balance between degradation of the original scaffold and the deposition of new tissue and blood vessels." — L. Melman

Rapid New Tissue Deposition

VERITAS Collagen Matrix creates an environment that encourages the rapid deposition of Extra Cellular Matrix (ECM), a key component of new connective tissue.

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Remodeling with less inflammation

**Less Foreign Body Response and Inflammation**

Fibrous encapsulation, which is an indicator of foreign body response, is significantly lower with VERITAS Collagen Matrix than ALLODERM, STRATTICE, PERMACOL, and PERI-GUARD Tissue Matrixes ($p < 0.001$).\(^1\)

Cell types scores revealed that fewer inflammatory cells and more fibroblasts were detected at 1 and 6 months in PERI-GUARD Repair Patch compared with ALLODERM Tissue Matrix ($p < 0.02$). By 12 months, VERITAS Collagen Matrix exhibited the greatest number of fibroblasts and least inflammatory infiltrate compared with the other 3 materials ($p < 0.04$).\(^2\)

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**Fibrous Encapsulation at 1 Month**

- **Score**
  - 0 = Extensive
  - 1 = Moderate
  - 2 = Mild
  - 3 = None

Adapted from Melman, et al.\(^1\)  
$p < 0.001$

**ECM Deposition at 12 months**

- **Score**
  - 0 = Extensive
  - 1 = Moderate
  - 2 = Mild
  - 3 = None

Adapted from Deeken, et al.\(^2\)  
$p < 0.04$

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Information on the back of this brochure.
VERITAS Collagen Matrix is fascia

VERITAS Collagen Matrix is a biologic xenograft derived from bovine pericardium and created from proprietary tissue processing that provides high levels of biocompatibility (based on histological features\(^2\)), while maintaining the intrinsic suppleness and strength of the material. As an acellular non-crosslinked collagen matrix, VERITAS Collagen Matrix was developed to promote seamless integration into the surrounding tissue through remodeling.

**Characteristics of Fascia in VERITAS Collagen Matrix**

- Pericardium is fascia
- Composed of dense multidirectional connective tissue
- Resists post-operative bulging\(^3\)
- Minimizes tissue attachment to the device, in case of direct contact with the viscera\(^4,5\)

**Characteristics of Dermal Products**

- Dermis is primarily composed of irregular non-parallel collagen fibers\(^6\)
- Variable tissue consistency from donor to donor in human dermis\(^7\)
- Pre-stretching of material required at implant\(^8\)

Like fascia, VERITAS Collagen Matrix exhibits dense multidirectional connective tissue. The dermal product is composed of loosely organized collagen.

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Please see Indications and Important Risk Information on the back of this brochure.
Easy to use

- Least stiff among tested materials\(^1\)
- Conforms to irregular surfaces
- Ready to use out of the package: no rinse or rehydration required
- Easy to tack and suture through
- Easy to pass through a trocar for laparoscopic surgeries
- Does not need to be stretched or placed under tension

VERITAS Collagen Matrix Resists Post-Operative Bulging\(^3\)

- 2x2 cm defects were created and repaired with 3x3 cm biologics lateral to midline
- At 6 months in a rat model VERITAS Collagen Matrix shows defect contraction while ALLODERM stretches\(^3\)

Information on the back of this brochure.
VERITAS Collagen Matrix for hernia repair

Source material and proprietary processing

- VERITAS Collagen Matrix remodels faster than the biologic mesh products\textsuperscript{1,2}
- Displays comparable repair strength to other biologic meshes\textsuperscript{1,2}
- Sterile and ready to use direct from the package to the patient\textsuperscript{5}
- Resists post-operative bulging\textsuperscript{3}
- Minimizes tissue attachment to the device when in direct contact with the viscera\textsuperscript{4,5}

*Pre-clinical data results may not correlate to results in humans.*
Ventral Hernia Repair With Component Separation

Information on the back of this brochure.
VERITAS Collagen Matrix is available in the following dimensions. Please use the specific product number(s) when ordering.

Please see Indications and Important Risk Information on the back of this brochure.
VERITAS Collagen Matrix Remodels Faster Than Other Biologic Meshes**

- VERITAS Collagen Matrix remodels significantly faster at 1 month than ALLODERM, STRATTICE, PERMACOL, and PERI-GUARD Reconstructive Tissue Matrices
- The Composite Remodeling Score used in this study included the following six subcategories:
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  - Cell types
  - Fibrous encapsulation
  - Cellular infiltration

Composite Score at 1 Month**

![Composite Score Chart]

Adapted from Melman, et al.1

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