Why Choose Xenografts?

Durable, scalable biologic scaffold

XENOGRAFT OVERVIEW

Xenografts are biologic grafts derived from another species than the patient—most commonly porcine (pig) and bovine (cow) sources. Through advanced processing, these grafts are biocompatible, structurally sound and optimized to support the body's natural healing.

Engineered with modern decellularization, xenografts provide a safe and effective scaffold for tissue regeneration procedures across a broad range of clinical applications.

Why choose xenografts?

Xenografts offer key advantages in tissue repair and regeneration procedures:

- **Biocompatibility with remodeling response:** Designed to integrate naturally with the body and facilitate a constructive immune response that promotes tissue remodeling—with low risk of rejection.
- **Abundant and scalable supply:** Sourced from ethically managed animal populations, xenografts offer consistent availability.
- **Structural strength and flexibility:** The natural collagen matrix provides durability and flexibility, delivering a supportive scaffold that maintains mechanical integrity throughout the healing process.
- **Supports regeneration of tissue:** Promotes angiogenesis (new blood vessel formation) and cellular ingrowth, which are essential for tissue regeneration.[1]
- **Customizable processing and form factors:** Grafts can be tailored using sterilization and decellularization techniques to meet clinical or OEM needs—improving shelf life and handling characteristics. They can also be provided dry or hydrated.

Safety and performance you can count on

We follow the highest standards for tissue safety, quality and performance:

- **Ethical sourcing and full traceability:** Tissues are collected from healthy, disease-free animal sources with rigorous veterinary oversight and complete documentation.
- **Advanced processing:** Enzymatic and chemical methods remove cellular components and antigens while preserving the native structure of the tissue. Sterilization provides a safe xenograft.†
- **Advanced sterilization:** Enzymatic and chemical treatments are used to stabilize collagen and remove antigens; various sterilization methods ensure sterility.*
- **Customizable processing for OEMs:** Our xenografts undergo tailored decellularization, crosslinking and sterilization processes to meet customer needs.*

[1]Nihsen ES, Johnson CE, Hiles MC. Bioactivity of small intestinal submucosa and oxidized regenerated cellulose/collagen. Adv Skin Wound Care 2008;21:479-86.

*Note: Not all statements made in this document apply to all materials. Speak to us for more details.

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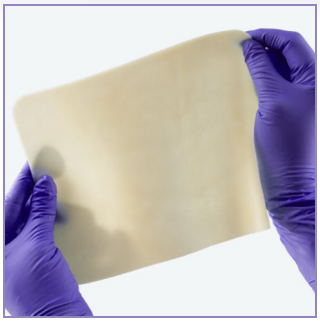
Xenograft tissue types and available formats

TISSUE TYPE	FORM FACTORS
Porcine dermis	Sheets—perforated or non-perforated
Porcine heart valve	Full roots, valves and leaflet cusps Percutaneous cardiac valves (aortic, mitral, tricuspid and pulmonary)
Bovine bone	Powder/paste—DBM Granules Bone blocks
Bovine pericardium	Shaped to fit your design application Unique geometries are possible by laser cutting your specific shape 3D fixation available by using custom tooling during the fixation process
Bovine tendon	Full tendon
Porcine pericardium	Sheets—perforated or non-perforated Multi-layer sheets Tube + coatings
Bovine collagen	Soluble/liquid Freeze dried Fibrillar—powder/paste or custom shapes
Porcine SIS	Sheets—perforated, non-perforated Multi-layer sheets Rolled or 3D Powder Freeze dried



Porcine dermis

Bovine bone powder

Bovine pericardium

If you want more information on Evergen's capabilities and how we can partner with your team, scan the QR code above to connect with a commercial representative.

†Data on file with Evergen.

Regulatory approvals vary by country. Please contact the representative in your region regarding the availability of specific grafts in your country.

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