

# Medical-grade porcine-derived ECM

**Flexible.  
Supports  
natural healing.  
Clinically  
proven.**

**Clinically trusted for more than a decade, supporting over 300,000 procedures worldwide<sup>1</sup>**

Our ECMs are naturally derived and expertly processed to preserve the native structure and essential components of tissue. This advanced preservation creates scaffolds that closely mimic natural tissue, supporting cellular integration and reliable strength – without the need for crosslinking. The result is a solution that delivers the handling, performance, and consistency clinicians demand.

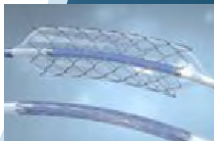
Featured in more than 40 peer-reviewed articles, our ECMs are available as component materials for partner devices or as finished products for distribution\*. All backed by OPTRIX™ processing technology and the supply chain reliability of a trusted global leader.

## Potential applications



### Orthopedic

Osteoarthritis, chondral resurfacing, meniscal repair, ligament and tendon repair/reconstruction, acromioplasty and subscapular spacers, bicep tenodesis, spinal dural repair



### Vascular

Heart valve components, structure heart repair



### Tissue repair

Soft tissue reconstruction, wound care

# ECM portfolio at a glance

Product name	Tissue source	Key features	Typical thickness	Preparation	Sterilization	Max size	Shelf life
Medeor™ Matrix	Porcine dermis	High strength (tensile $\geq$ 16 N/cm), pre-hydrated, robust suture retention ( $\geq$ 9 N)	~ 1.5 mm	Ready-to-use, no hydration	E-Beam	25 x 45 cm	3 years, room temperature storage
Meso BioMatrix™	Porcine peritoneum	Thin yet strong (tensile $\geq$ 11.8 N/cm), highly conformable, strong suture retention ( $\geq$ 2 N)	~ 0.3 mm	Hydrates in <20 sec	Ethylene Oxide	20 x 20 cm	2 years, room temperature storage
Pericardium Membrane	Porcine pericardium	Ultra-thin, drapeable, tear resistant ( $\geq$ 0.75 N)	~ 0.09-0.8 mm	Hydrates with saline and blood	Ethylene Oxide	10 x 7 cm	2 years, room temperature storage

All ECMs are available in customizable sizes and formats. Contact us for tailored solutions.

## Custom development and manufacturing



Our R&D experts can work with your tissues and processes through smooth production process transfers to co-create the ideal biologic scaffold. Using other animal (non-human) tissue sources including solid organs, tendons, bones, and nerves, we support harvesting, cleaning, decellularization, disinfection, preservation, and sterilization of ECM materials for existing or new decellularization workflows.

### About the Biomedical division of dsm-firmenich

As innovators in nutrition, health, and beauty, we reinvent, manufacture, and combine vital nutrients, flavors, and fragrances for the world's growing population to thrive.

In the Biomedical division, we serve as a committed partner in driving sustainable innovation in healthcare, from spark to solution. Our biomaterial products, customized solutions and expert services are recognized for their unmatched quality, reliability, and performance worldwide. Together, we bring progress to life every day, everywhere, for billions of people.

To learn more, visit [dsm-firmenich.com/biomedical](https://dsm-firmenich.com/biomedical).

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**Product Disclaimer** Evaluation of the biological safety and functional performance of a material produced by dsm-firmenich in a final, finished medical device remains the responsibility of the legal medical device manufacturer.

\*Finished products are subject to regulatory review in accordance with applicable laws and regulations. Product information provided herein is for informational purposes only and does not constitute a representation that products have received regulatory approvals in a specific country or region.

1. Data on file at Biomedical.

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