dsm-firmenich

Collagen Pads

Medical grade bovine hide-derived collagen

Versatile. Customizable. Clinically trusted.

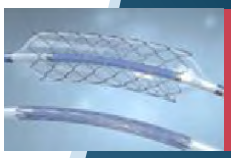
The collagen scaffold trusted in 40 million+ procedures – setting the standard for soft tissue integration[1]

Our collagen scaffolds uniquely preserve the complex fibrillar collagen structure – supporting rapid cell migration, early hemostasis, and tissue ingrowth for natural healing. Our proprietary technology delivers proven biocompatibility and tissue integration, trusted by leading manufacturers worldwide.[1,2]

Key advantages

- **Sourcing:** Closed-herd sourcing supports consistent, high quality materials
- **Tailored performance:** Customizable architecture meets your unique application needs
- **Integration ready:** Seamlessly combines with ceramics, coatings, sutures, meshes, and drug-delivery systems
- **Regulatory confidence:** Supported by FDA Master Files for streamlined submissions and compliance

Potential applications



Vascular

Anastomotic reinforcement, arterial closure, leak sealing, open vascular surgery

Orthopedics

Osteoarthritis, chondral resurfacing, meniscal repair, bicep tenodesis, and many more

Dental

Periodontal lifts, implant support

Wound management

Guidance matrices, hemostatic pads

Performance you can count on[1]

cGMP & ISO-certified	Manufactured in ISO 13485 facilities, FDA registered and audited for quality and regulatory acceptance
Proven safety & clinical use	More than 40 million procedures over 30 years, with documented biocompatibility and regulatory history
Hemostatic efficacy	Collagen supports rapid platelet activation and robust clot formation, even under blood flow[3]
Structural integrity	Proprietary fibrous and soluble collagen blend with physical crosslinking exists break-up when wet
Resorbable & tissue-friendly	Naturally resorbs *in vivo*; degradation profile tailored to application, supporting tissue remodeling
Customizable architecture	Porosity, density, mechanical strength, and resorption timelines tailored to the desired application

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.

Visit dsm-firmenich.com/biomedical to request your sample today!

1. Data on file at Biomedical.
2. Pina S, Ribeiro VP, Marques CF, Maia FR, Silva TH, Reis RL, Oliveira JM. Scaffolding Strategies for Tissue Engineering and Regenerative Medicine Applications. *Materials*. 2019; 12(11):1824. https://doi.org/10.3390/ ma12111824.
3. Savage B, Ginsberg MH, Ruggeri ZM. Influence of fibrillar collagen structure on the mechanisms of platelet thrombus formation under flow. Blood. 1999 Oct 15;94(8):2704-15. PMID: 10515874.

dsm-firmenich

Americas
U.S. - Headquarters
735 Pennsylvania Drive
Exton, PA 19341

Europe
The Netherlands
Urmonderbaan 22
6167 RD, Geleen

Asia
China
476 Li Bing Road,
Shanghai, 201203

Learn more at
dsm-firmenich.com/biomedical

Contact us
dsm-firmenich.biomedical@dsm-firmenich.com