

# Extracellular Matrix (ECM) technology

## Structural scaffold used to reinforce and repair soft tissue.

### DSM expertise

DSM Biomedical uses our proprietary OPRITX technology to create natural and biologically friendly soft tissue scaffolds.

DSM is committed to the research & development of new technologies that enable brighter living. We proudly invest over \$500,000 annually in preclinical research and have supported 11 clinical trials in an effort to drive academic and translational research. As of 2016, DSM has over 200 authored publications and 700 supported publications.

### OPRITX process

The OPRITX process gently disinfects tissues, inactivates viruses, and removes antigens while preserving the natural and porous structure of the collagen matrix and leaving behind extracellular matrix components\*, such as:

- Elastin
- Fibronectin
- Laminin
- Glycosaminoglycans
- Proteoglycans
- Growth factors
- Cytokines

\*The effects of these components have not been evaluated clinically.

DSM Biomedical can apply the OPRITX process to:

- Porcine Dermis
- Porcine Mesothelium
- Other Tissues (pericardium, placenta, tendon, bone, nerve)

### Customized 100%

DSM can tailor our ECM products to your needs:

- Tissue sourcing (porcine and bovine)
- Form (sheet, powders, 3D)
- Processing method (types of chemicals, crosslinking, sterilization, packaging)
- Handling properties
- Hydration



### Partnership Opportunities

We are a global company with all the equipment, engineering capabilities, and quality controls you will need to bring your product to market:



As your partner, we strive for quality and satisfaction. Our 95% fulfillment rate is indicative of our continuous commitment to our partners. We take pride in our quality system, as proven by our low complaint rate and equally low number of product returns.

### **Product Disclaimer**

The description by DSM Biomedical of the characteristics and properties of its products and services as contained in this brochure is for general information purposes only, and may not be relied upon in individual situations. All materials offered by DSM Biomedical are supplied under a contract containing detailed product specifications, and the user shall be exclusively responsible for, and shall bear full responsibility for the consequences of, (i) whether or not the product is suitable for use in the devices (or for any other (authorized) use that customer may wish to make of the product), and (ii) whether the product specifications are sufficient and sufficiently well defined in order for the product to be fit and suitable for use by user. User undertakes to keep itself actively informed as to developments in the relevant fields of its applications.

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