

Responding to partner need to rapidly deliver advanced prototypes

Therapeutic area

- **Orthopedics**

Products

- **Biomerix**
- **Collagen**
- **Extracellular matrices (ECM)**
- **Ulteeva Purity™ Fiber**

Capabilities

- **Biomaterials expertise**
- **Custom prototyping and sampling**
- **Market insight**
- **R&D support**



Partnering for the challenge

Our partner, a top 5 orthopedic medical device manufacturer, had a unique and urgent need to create the second generation of its legacy predicate device. The challenge for the Biomedical team at dsm-firmenich was to leverage multiple in-house technologies to develop advanced prototypes in less than 90 days.

Why it matters

The accelerated creation of samples at the level of quality suitable for in vivo test evaluation vs other commercially available, competitive products enabled our partner to conduct one large animal study and compress their timeline by as much as 12 months.



Our innovation

To rapidly evaluate material combinations, our partner utilized the following core competencies:

- ✓ Customer-focused responsiveness to our partner's extraordinary request.
- ✓ Insight to address the limitations of existing commercial devices and expertise to combine our materials and technologies in novel ways to meet customer needs.
- ✓ Capability to act quickly to satisfy specific product requirements because of our unrivaled, in-house portfolio of biomaterial solutions.

Our impact

Our partner was elated by our ability and willingness to meet the exceedingly tight timeframe and is looking to expand its relationship with the Biomedical team at dsm-firmenich.