

# Close to the Patient – Addressing formulation challenges in development of novel therapies

July 2024

# dsm-firmenich

We're a trusted partner to global companies operating in high-growth and resilient markets. We bring progress to life as innovators in nutrition, health, and beauty.

150+ years  
of combined scientific discovery  
and innovation heritage

~30,000  
employees

€12+ bn  
revenue

# About DSM Biomedical

Taking biomaterials FURTHER

DSM Biomedical aspires to *solve the world's healthcare needs through sustainable science*

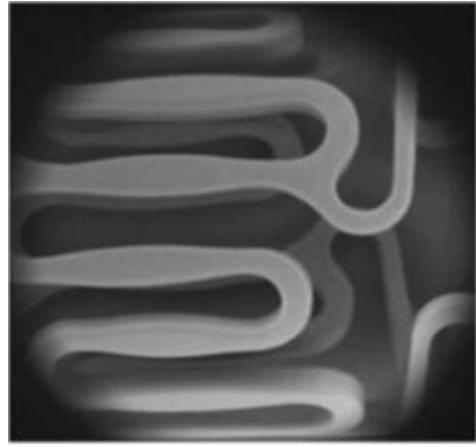
Through our extensive biomaterials portfolio and world-class capabilities, we empower our global partners to create and deliver transformative solutions that *elevate patient well-being, enable healthcare professionals, and foster sustainability*



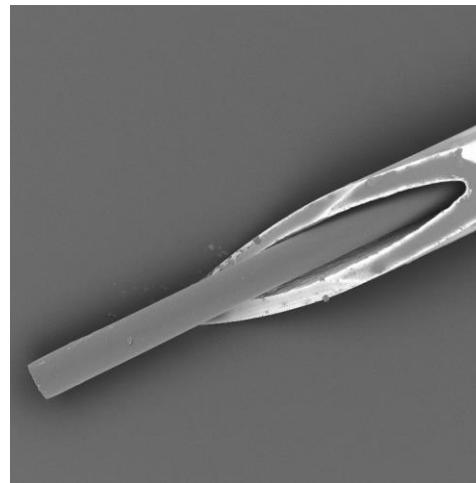
# TheraPEA™

## From legacy products to next generation therapies

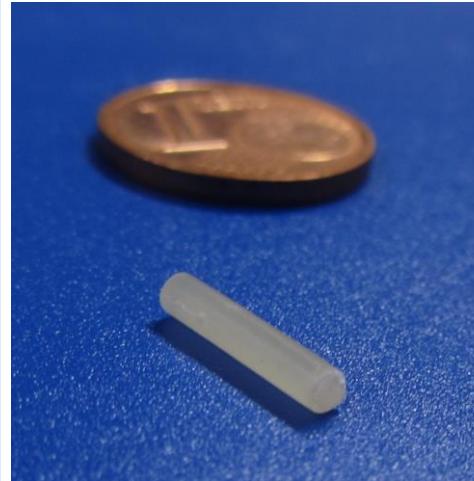
Drug Eluting Stent – Approved\*



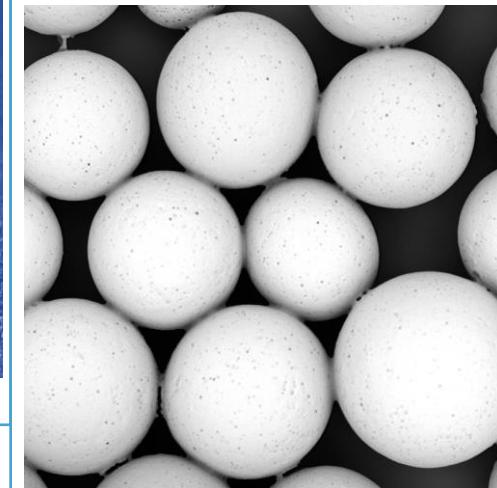
Injectable Implant – Clinical Development



Sustained Delivery of GLP-1 RA – Preclinical



Next Generation Therapies – Preclinical



# TheraPEA™ Sustained Drug Delivery Platform Enabling Innovative Long-Acting Therapies

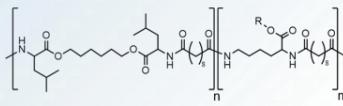
**Sustainability**  
Enables a solution that is good for the planet by minimizing sharps and other plastics use



**Broad IP Portfolio**  
Enables partners opportunities for branded sales protection and life cycle management



**TheraPEA™**  
Biodegradable Polyester Amide Platform



**Near Linear Release Rates**  
Slow and controlled release enables possibility of less frequent administration for the patient



**No Acidic Microenvironment During Degradation**  
Enables controlled release per design and provides protection for sensitive API payload



**Processing Flexibility**  
Enables multiple therapeutic forms; low melt temperature and solubility in low MW alcohols for ease of processing

# Why partner with DSM Biomedical?



## **TheraPEA™ biodegradable polyester amide**

Differentiated technology to enable innovative sustained and controlled release therapies for the patient

## **Bridging the gap between biomaterials technology and drug delivery solution**

Solving our world's healthcare needs through sustainable science, together with our partners

## **A partner you can depend on**

Extensive in-house expertise, including analytical competencies and melt and solution-based processing techniques, to accelerate formulation development efforts in our dedicated high potency laboratory.

# How Can DSM Biomedical Elevate Your Next Sustained Drug Delivery Project?

- Tech Forum Wed, July 10<sup>th</sup> 8AM  
**George Mihov, PhD** Close to the Heart – Biomaterial Developed to Serve Vascular Applications
- Visit our Booth  
**Booth #36**



DSMBiomedical.com



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We bring progress to life™