

# Collaboration to Expand Advanced Drug Delivery Formulation Services



## PARTNERSHIP

### Aenova and Microcaps to Create a Joint Service Offering for their Customers

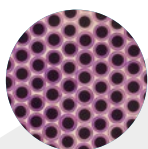
- Microcaps is a young Swiss startup that developed a novel, high-precision microencapsulation technology
- As an established CDMO, Aenova has broad expertise in development and commercial manufacturing for pharmaceutical and consumer healthcare products
- The collaboration will enable creation of an extended service offering from product development to scale-up and production for both companies' customers

## MICROCAPS TECHNOLOGY

### Novel, High-Precision Microencapsulation Platform

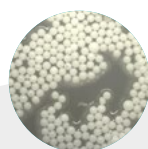
Microcaps' patented technology platform is based on microcapsule formulation and production equipment design, specifically:

- Portfolio of microcapsule formulations with broad range of release profiles
- Microcapsule sizes from 200 - 3000µm
- Formulations tailorable to further fine-tune performance such as the release and dosage
- High consistency and precision through continuous, microfluidics process
- Flexible, modular manufacturing equipment
- Throughputs adjustable from R&D trials up to industrial production (~100 kg/day)



**OlioCaps**

Alginate shell + oil core  
Oil-based actives in aqueous phase



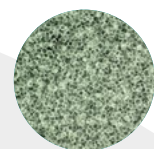
**ThermoCaps**

Hydrogenated oils, waxes or lipids  
Oil-based actives in aqueous phase



**HydroCaps**

Alginate, Agarose, PGA, PMMA, PEG  
Oil- or water-based actives



**SolidCaps**

PLGA, PCL, PLA and more  
Oil- or water-based actives

## AENOVA PRODUCTION CAPABILITIES WITH MICROCAPS TECHNOLOGY

# Aenova's Extended Capabilities for Micro- and Conventional Capsules



Together with Microcaps' technology, Aenova can now offer an even broader range of solutions for new product developments and life cycle management for micro- and conventional capsule formulations:

- Enhanced taste masking
- Controlled release
- Targeted release
- Increased bioavailability
- Enhanced API stability

**Our teams are looking forward to supporting your development needs with our new offering!**

## BENEFITS FOR OUR CUSTOMERS

# Collaboration Expands One-Stop Shop Offering

Aenova and Microcaps are your partner of choice to develop novel delivery forms for your products that can improve patient experience and increase the delivery efficiency. Specific benefits include:



### Strong know-how

on pharma capsules –  
from micro to macro scale



### Full offering

from capsule product definition to  
final production, all out of one hand



### Agile and dynamic teams

that help you find the  
best solution



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