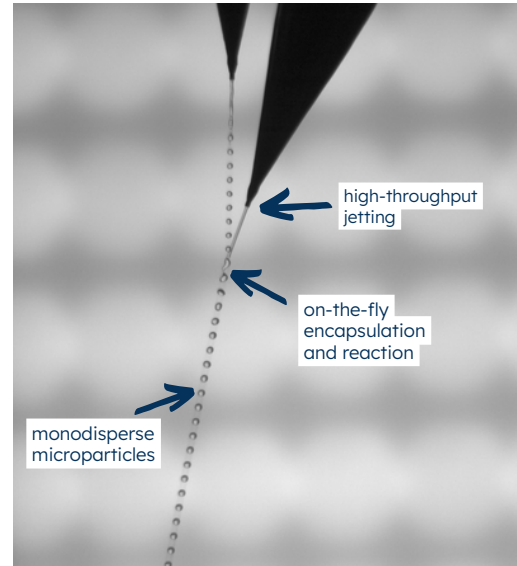


Gentle, precise, and scalable microencapsulation for sensitive APIs, live cells, and biologicals

DISCOVER THE POWER OF IN-AIR MICROFLUIDICS™

Our patented technology enables the encapsulation of liquids in the air with high precision and control to produce monodisperse microparticles 1,000 times faster than traditional microfluidics. We develop processes and formulations to improve microencapsulation performance, sustainability, and efficiency to get the most out of active ingredients and live cells.



compatible with live cells, biomolecules, and sensitive APIs

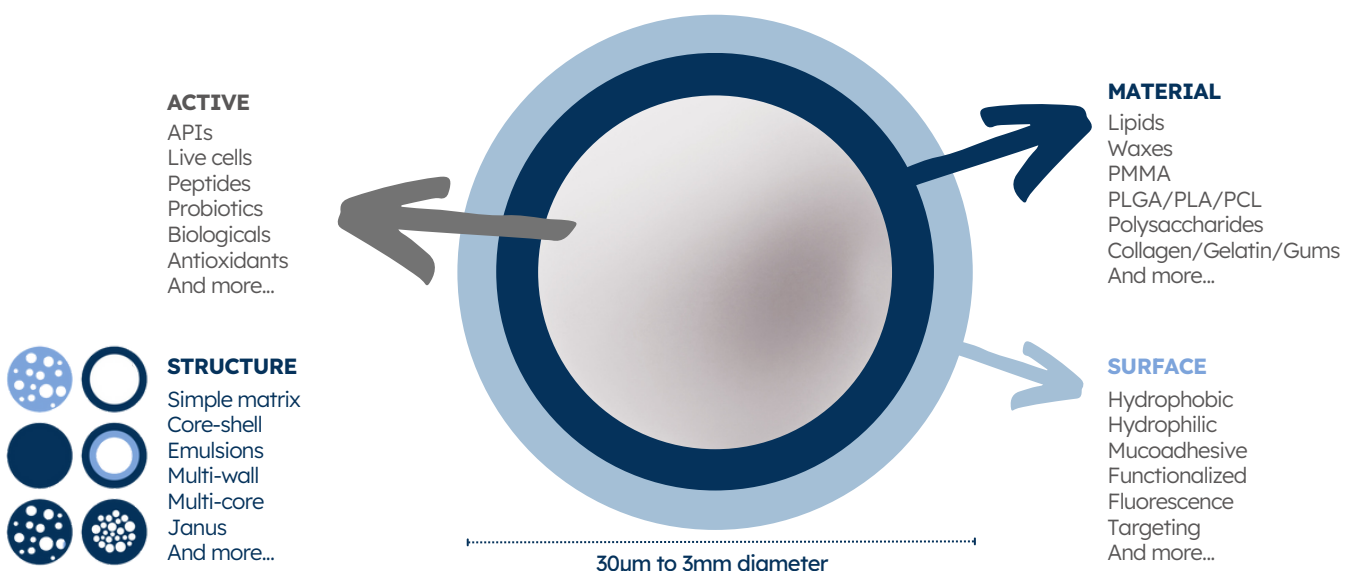


low shear stress
no toxic solvents
no pre-treatment



high precision
high throughput
high efficiency

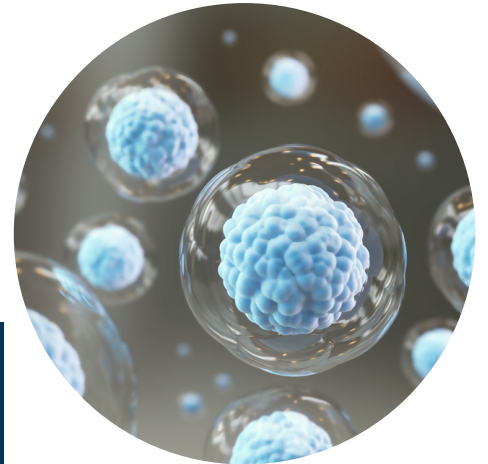
Material versatility and customization



Unlock superior performance and scalability with In-air microfluidics™

Biomedical & Cell culture

Accelerate and scale cell therapy, organoid production, and tissue regeneration using stem cell encapsulation and high-precision microcarriers.



Fully cytocompatible and faster* spheroid production for 3D cell cultures

High-throughput production of implantable microcarriers with customizable design

*Compared to traditional spheroid production methods.



Process survival

No microplastics, no emulsifiers, and no oils/ PFAS that can pollute or damage sensitive bio-actives.



Monodispersity

Uniform size and shape for maximum control over culture conditions and cell behavior.



Sustained release

Material versatility enables up to 100% encapsulation efficiency and long-acting release of APIs.

Pharma & Drug delivery

Improve formulation performance and unlock the development of new treatments using scalable, reproducible and high-precision microfluidics from prototyping to multi-ton industrial production.



Compatible with topical, oral, and parenteral applications

Controlled long-active release from weeks to 3 months

Visit www.iamfluidics.com to learn more and schedule a meeting to explore new solutions with our scientists.