

dolomite

# DOLOMITE MITOS SYSTEM

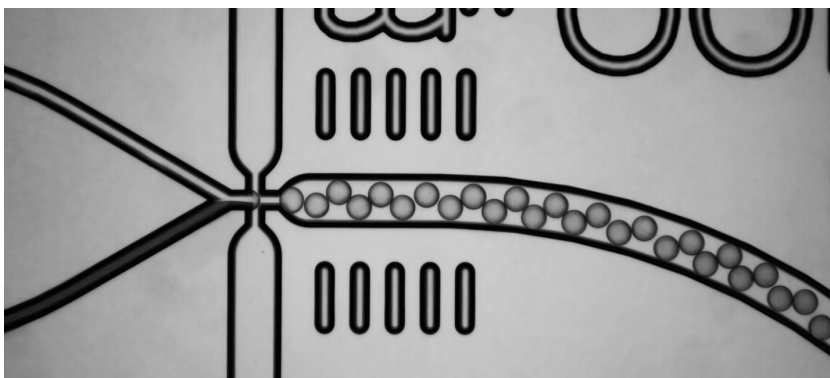


Microfluidics for  
drug delivery

# WHY MITOS?

## EXPERIENCE PRECISION WITH THE MITOS SYSTEM

Unlock unparalleled precision and uniformity with Dolomite's Mitos System, the ultimate lab-scale microfluidic tool. By producing monodispersed droplets and particles, the Mitos System meets the critical needs of scientists, researchers, and pharmaceutical companies needing consistency.



Microfluidic continuous flow method results in monodisperse particles

Designed for versatility and innovation, it drives advancements across:

- DRUG DISCOVERY
- ENCAPSULATION
- MICROPARTICLE SYNTHESIS
- MATERIAL SCIENCE
- BIOLOGICAL RESEARCH
- DIAGNOSTICS

## HOW YOU BENEFIT

### Precision & Consistency

Precise, uniform droplets and particles

### Efficiency & Yield

Boost output and streamline validation and scale-up

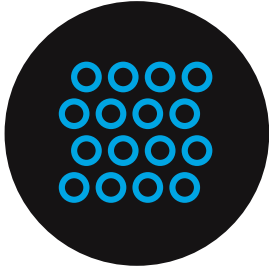
### Versatility

Tailored application packs for advanced R&D

### Chip design & Fabrication

Range of glass/quartz microfluidic chips engineered in-house

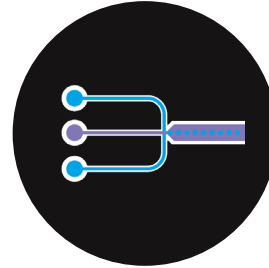
# FEATURES



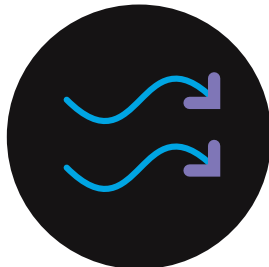
Extreme monodisperse droplets and particles



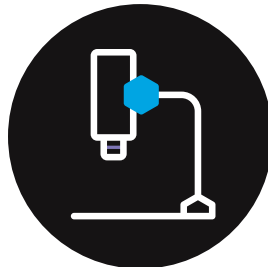
Quick responsive pressure pump



Highly chemical-resistant and biomaterial-compatible glass chips



Flow and temperature control with easy software



High-Speed Microscope and Camera allowing instant observation and imaging

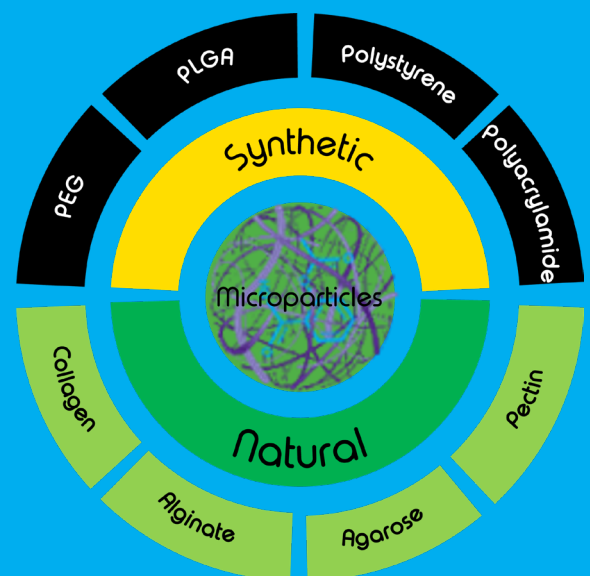


A wide range of application packs available for specific research and development

# APPLICATION

The Mitos System offers versatility with diverse application packs for advanced R&D:

Drug Discovery	Enhanced targeting, efficacy, and controlled drug release
Biological Research	Single-cell proteomics and genomics with precise droplet encapsulation
Particle Synthesis	Uniform microparticle generation for industrial applications
Diagnostic Assays	Sensitive tools for detecting biological markers
Material Science	Advanced materials with custom properties
Personalized Medicine	Improve drug efficacy and patient safety with consistent droplet sizes
Environmental Monitoring	Analyze samples for pollutants on a large scale



# GET IN TOUCH

## Email

[info@dolomite-microfluidics.com](mailto:info@dolomite-microfluidics.com)

## Join us on



## USA – Headquarters

Unchained Labs, 4747 Willow Road, Pleasanton, CA 94588

## UK Office

Unit 1, Anglian Business Park, Orchard Rd, Royston SG8 5TW



[www.dolomite-microfluidics.com](http://www.dolomite-microfluidics.com)