

Tailored Uniformity • Streamlined Control • Optimal Yield

# DIANT® LARU Discovery

The DIANT® approach to the continuous processing of nanoparticles is designed to serve as a leading technology solution in its field. Featuring patented turbulent jet technology, the DIANT® LARU Discovery enables lowest volume research test runs for multi-mode specification and optimization of nanoparticle processing. The LARU Discovery processing technology can be scaled with DIANT® system product offerings from clinic to commercial scale.

Lipid Nanoparticles (LNPs)

Liposomes

Nucleic Acid/Lipid Complexes

Polymeric Micelles

Suspensions

## Specifications

Minimum Collection Volume:	2-3 mL (per run)
Solvent Flow Rate:	20 mL/min (nominal)
Flow Rate Ratio:	2-8
E1/A1 Pump Type:	Syringe
Dilution Pump Type:	Peristaltic (enables 0-350 mL/min dilution rates)
Operating Temperature Range:	15-30 degrees C
Power Requirements:	110/220 VAC, 200 W max.

## DIANT® Jet Technology for Highest Precision and Flexibility

The DIANT® LARU Discovery is a low flow rate, low dead volume system for research nanoparticle processing. To precisely combine genetic material/API in buffer with lipids in solvents, all DIANT® systems use the patented DIANT® jet mixer, facilitating seamless scale-up from R&D to commercial manufacturing

### Continuous Manufacturing

The DIANT LARU DISCOVERY enables a direct translation to continuous nanoparticle processing. Batch processes developed on this system scale with the DIANT systems

### Ease of Use

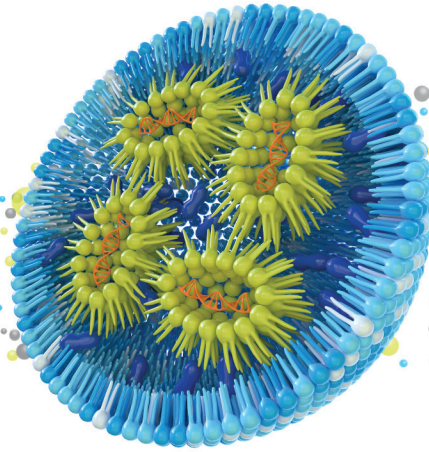
Standard connections for syringes, bottles, tubes, or 2D bags. DIANT offers consumable kits for different flow setups

### Multiple Program Options

Create and store runtime recipes to produce particles at different flow conditions and for set durations



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# The **DIANT**<sup>®</sup> Solution

Continuous Processing Technology that provides



Fastest  
Speed to Market



Highest Quality  
Products



Greatest  
Control



Smaller  
Vessel Sizes



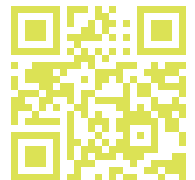
Smaller  
Footprint



Highest Yield,  
Less Waste

We appreciate your interest in DIANT's unmatched processing technology and are looking forward to partner with you to bring your nanoparticle processing to the next level !

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