

Tailored Uniformity • Streamlined Control • Optimal Yield

DIANT® LARU DISCOVERY

The game changing DIANT® approach to the continuous processing of nanoparticles has become the industry's benchmark. Featuring patented turbulent jet technology, the DIANT® LARU DISCOVERY enables low volume research test runs for a multi-mode specification and optimization of nanoparticle processing. The DIANT® LARU DISCOVERY processing technology can be scaled to DIANT® PILOT and DIANT® LIFT, supporting clinical to commercial scale

Lipid Nanoparticles (LNPs)

Liposomes

Nucleic Acid/Lipid Complexes

Polymeric Micelles

Suspensions

Specifications

Minimum Collection Volume:	1-2 mL (6-8 seconds start-up time)
Solvent Flow Rate:	10+ mL/min
Flow Rate Ratio:	2-8
SP1/SP2 Pump Type:	Syringe
A2/Dilution Pump Type:	Continuous, 0-400 mL/min
Operating Temperature Range:	15-60 degrees C
Power Requirements:	110/220 VAC, 50/60 Hz, 5 A max.

A multi-functional tool that forms nanoparticles and performs SPTFF

The DIANT® LARU DISCOVERY is a low flow, low dead-volume system for nanoparticle research. To precisely combine genetic material/API in buffer with lipids in solvents, all DIANT® systems use the **DIANT® JET MIXER**, facilitating seamless scale-up from lab to commercial manufacturing

Simplifies Nanoparticle Processing

The DIANT® LARU DISCOVERY enables a direct translation to continuous nanoparticle processing. Processes developed on this system scale with the DIANT® PILOT and DIANT® LIFT

Ease of Use

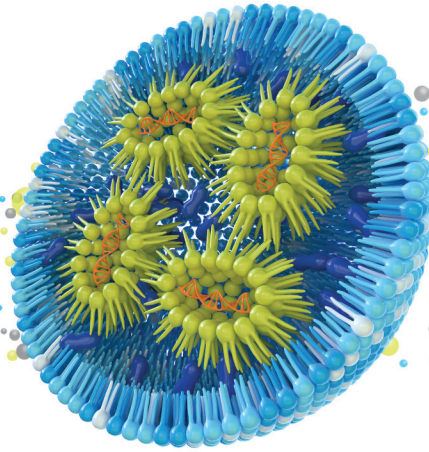
Standard connections for syringes, bottles, tubes, or 2D bags. DIANT® offers consumable kits for different flow setups

Data and Recipe Options

Create and store runtime recipes to produce particles at different flow conditions and for set durations. Record process data



Tailored Uniformity • Streamlined Control • Optimal Yield



The **DIANT**[®] 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 !

DIANT PHARMA INC.

130 Utopia Rd.
Manchester CT, 06042 USA
info@diantpharma.com
www.diantpharma.com

