High Pressure Liposome Extruder

Liposome | Lipopolyplex | Sterile Filtration | Lab | Pilot | Manufacture

Unique Benefits

The Genizer Extruder is designed to produce unilamellar populations of liposomes and lipopolyplex by the extrusion of a multilamellar liposome suspension. A multilamellar sample is forced repeatedly through polycarbonate filters with a defined pore size, and the smaller liposome 50nm-120nm with homogeneous size is produced.

- Sanitary: 316L Stainless Steel
- **Compatible:** Tri-clamp, NPT, UNF, Flange and custom fittings are available
- Efficient: micron pore supporting maximize the pressure and lower the contamination
- Compatibility: GMP and FDA compliant

Always Discount for Public Research



10ml Jacketed Liposome Extruder with

Track-Etched Membrane

Scale	Catalog No.	Maximum Pressure	Dimension L×W×H(cm)/Weight(kg)	Membrane Selection
Test Scale 1-100mL	HandExtruder-1ml-RT HandExtruder-1ml	150 psi	23×17×33/2 (jacketed) 23×17×13/2	30 nm
	GExtruder-10ml GExtruder-5ml/min	3,000 psi	23×13×25/4 (jacketed) 10×10×8/1	50 nm
	GExtruder-100ml GExtruder-50ml/min	3,000 psi	23×20×32/7 (jacketed) 12.5×12.5×9/2	80 nm
Pilot Scale 200-3000mL	GExtruder-800ml GExtruder-400ml/min	3,000 psi	25×25×37/20 (jacketed) 18×18×10/5	100 nm
	GExtruder-3000ml GExtruder-1500ml/min	3,000 psi	30×25×55/45 (jacketed) 30×25×25/21	200 nm
Production 3-10L	GExtruder-10000ml GExtruder-5000ml/min	3,000 psi	45×40×65/130 (jacketed) 45×40×30/90	400 nm
Customize 10L-50L	GExtruder 1-50000ml or Multi-Extruder	up to 5,000 psi	TBD (jacketed) TBD	800 nm



Phone: +1(323) 825-1851 Fax : +1(323) 978-4693 Email: Nano@Genizer.com http://www.genizer.com/products/Extruder.asp Discount available for public research. Genizer.com reserves the right to change specifications without notice. © 2009 by Genizer. All rights reserved. English Version 011216.

High Pressure Liposome Extruder



HandExtruder



Jacketed Extruder



Online Extruder



Standard	Features

Surfacing	Electro-polish and inner Passivation	
Application	Liposome Lipopolyplex Sterile Filtration Lab Pilot Manufacture	
Inlet type	1/2" or 1" Tri-Clamp or 9/16UNF	
Outlet type	1/2" or 1" Tri-Clamp or 9/16UNF	
Feed Reservoir	SUS316 Cylinder or Online	
Collector Reservoir	SUS316 Cylinder or Online	
Product material	316L stainless steel	
Material standard	Pharmaceutical Grade, FDA & GMP approvable	
Warranty	1 year against any manufacturing defects	

Available Option

Parts	Tri-clamp, NPT, UNF, Flange and custom fittings are available
Customer	Customer size for larger flow rate
Detector	Pressure gauge, Pressure and Temp. transducer
Outlet type	NPT, UNF, Flange and custom fittings are available
Feed Reservoir Collector Reservoir	100ml, 200ml, 500ml, 1000ml Syringe, Cylinder or Online
Product material	Titanium (Resistant to strong acid and base)



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