

High Pressure Jacketed Liposome Extruder

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

Unique Benefits

Genizer Jacketed Liposome Extruders is compressed air driven, temperature controlled, from testing to manufacture production of liposome and lipopolyplex for drug and gene delivery. Homogenous samples can be produced quickly and easily in minutes; typically 5-10 passes are sufficient to produce a sample with uniform liposome size. The Jacketed Extruder is virtually no dead-volume and easily cleaned and suitable for sterilization.

- **Sanitary:** 316L Stainless Steel
- **Efficient:** micron pore supporting maximize the pressure and lower the contamination
- **Compatibility:** GMP and FDA compliant



The Genizer Jacketed Liposome Extruders are designed to generate homogeneous unilamellar liposomes and Lipopolyplex. Extrusion is a one-step procedure that produces liposomes by forcing lipid suspensions of drug, protein or gene through track-etched filters with defined pore size. It is relatively gentle, exposing the formulation to moderate pressures up to 3,000 psi at controlled temperatures. The Genizer Jacketed Extruder is easily cleaned and suitable for sterilization, compliance with FDA and GMP sanitary standards in Pharmaceuticals.

Specifications

Catalog No.	GJE-10mL	GJE-100mL	GJE-800mL	GJE-3000mL	GJE-10000mL
Sample Size	10mL	100mL	800mL	3000mL	10000mL
Cooling	Jacketed	Jacketed	Jacketed	Jacketed	Jacketed
Dimensions	23×13×25(cm)	23×20×32(cm)	25×25×37(cm)	30×25×55(cm)	45×40×65(cm)
Weight	4kg	7kg	20kg	45kg	120kg
Min. Sample Size	5mL	10mL	100mL	800mL	2000mL
Max. Pressure	3,000 psi-6,000 psi				
Max. Temperature	80°C (176°F)				
Power Type	Compressed Gas				
Nano-membrane	Track-etched liposome membrane				
Cleaning	Flush to clean /CIP/SIP; Whole unit autoclavable				



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http://www.genizer.com/jacketed-liposome-extruder_p0005.html

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Standard Features

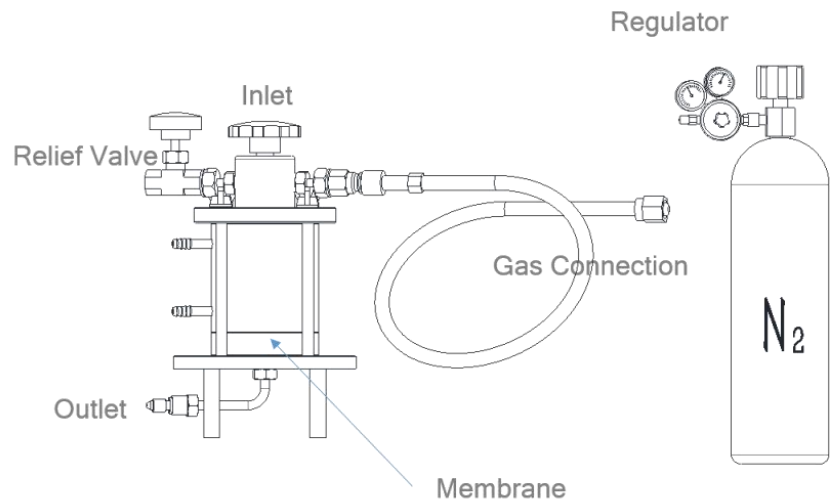
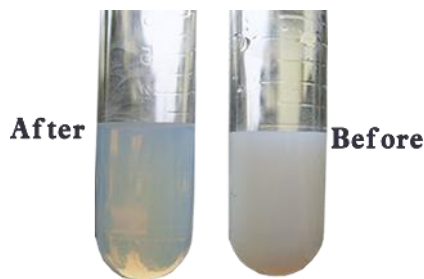


Parts	1) Liposome Jacketed Extruder 2) 10 pieces of 100nm membrane
Feed Reservoir	Temperature control jacketed cylinder
Nitrogen tubing	G5/8" - 14 TPI BSP inlet Nitrogen High pressure soft tubing; adaptor with 3/8 inch male NPT and 1/4 inch female flare outlet
Nano membrane	100nm track-etched polycarbonate membrane
Compatibility	Some Parts are compatible with Lipex™ in Northern Lipids
Product material	316L stainless steel, Viton
Material standard	Pharmaceutical Grade, FDA & GMP approvable
Warranty	1 year against any manufacturing defects



Available Option

Detector	Pressure gauge, Pressure/Temperature transducer
Inlet Type	Tri-clamp or Luer
Outlet Type	Tri-clamp or Luer
Nano membrane	30, 50, 80, 100, 200, 400, 800nm, 1000nm, 2µm, 5µm, 10µm, 20µm, 30µm track-etched membrane
Multi Extruder	Parallel or Series connection of Multi Extruder



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