

High Pressure Online Liposome Extruder

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

Unique Benefits

Genizer Online Liposome Extruders can be connected with sanitary pump or high pressure homogenizer. It used for production of pharmaceutical liposome such as Doxorubicin, Irinotecan and Paclitaxel from testing to manufacture scale with temperature control. Homogenous samples can be produced quickly and easily in minutes; typically 5-10 passes are sufficient to produce a sample with uniform liposome size.



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

The Online Extruder is virtually no dead-volume and easily cleaned and suitable for sterilization. The Genizer Online 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. The Genizer Online Extruder is easily cleaned and suitable for sterilization, compliance with FDA and GMP sanitary standards in Pharmaceuticals.

Specifications

Catalog No.	GOE-25mL	GOE-200mL	GOE-1000mL	GOE-8L	GOE-20L
Sample Size	25mL	200mL	1000mL	8000mL	20000mL
Cooling	Jacketed	Jacketed	Jacketed	Jacketed	Jacketed
Dimensions	10×10×8(cm)	13×13×9(cm)	18×18×10(cm)	30×25×25(cm)	45×40×30(cm)
Weight	1kg	2kg	5kg	25kg	90kg
Min. Sample Size	5mL	10mL	100mL	500mL	1000mL
Max. Pressure	3,000 psi-6,000 psi				
Max. Temperature	80°C (176°F)				
Power Type	High pressure pump or High pressure homogenizer				
Nano-membrane	Track-etched liposome membrane				
Cleaning	Flush to clean /CIP/SIP; Whole unit autoclavable				



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http://www.genizer.com/online-liposome-extruder_p0004.html

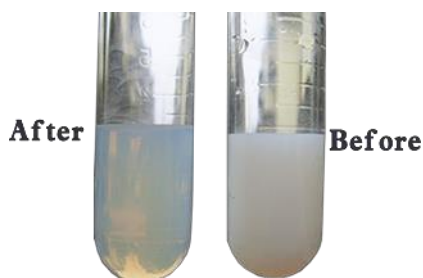
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Standard Features

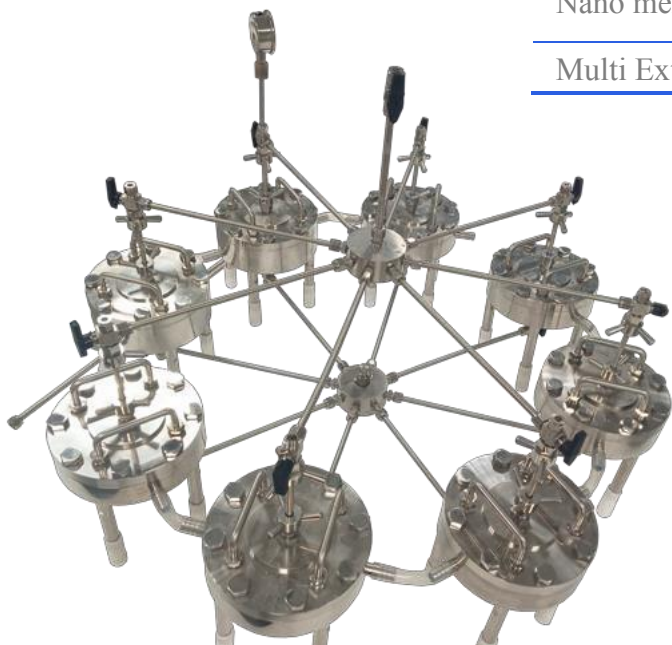


Parts	1) Liposome Online Extruder 2) 10 pieces of 100nm membrane
Filter Support	Jacketed Filter Support with Pagoda inlet/outlet
Inlet Type	3/8" High pressure coupling
Handle	Handle for GOE-800mL, GOE-3000mL and GOE-10000mL
Nano membrane	100nm track-etched polycarbonate membrane
Product material	316L stainless steel, Viton
Material standard	Pharmaceutical Grade, FDA & GMP approvable
Warranty	1 year against any manufacturing defects



Available Option

Detector	10,000psi sanitary Pressure Gauge with adaptor, Pressure transducer, 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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