

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 |
| 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 | | | | |
| Power Type | Compressed Gas | | | | |
| Nano-membrane | Track-etched liposome membrane | | | | |



Phone: +1(323) 825-1851

Discount available for public research. Genizer.com



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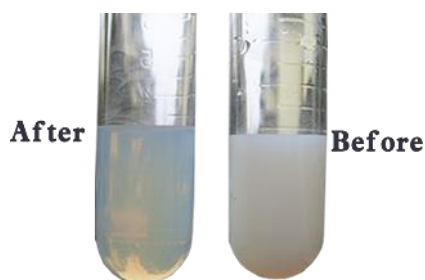


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High Pressure Jacketed Liposome Extruder

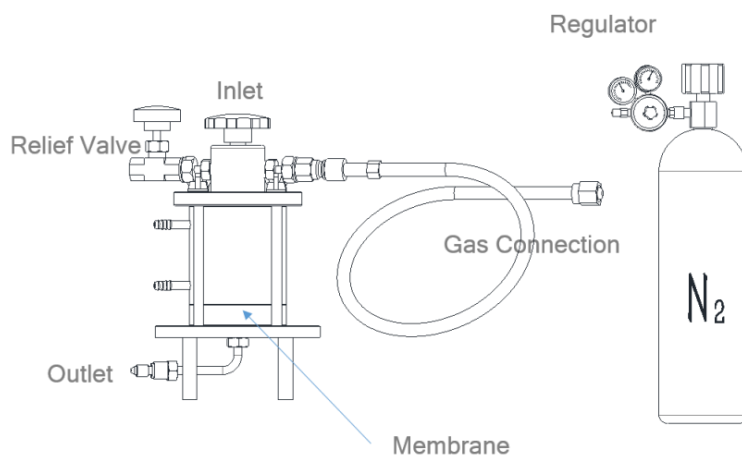


Standard Features

| | |
|-------------------|--|
| 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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