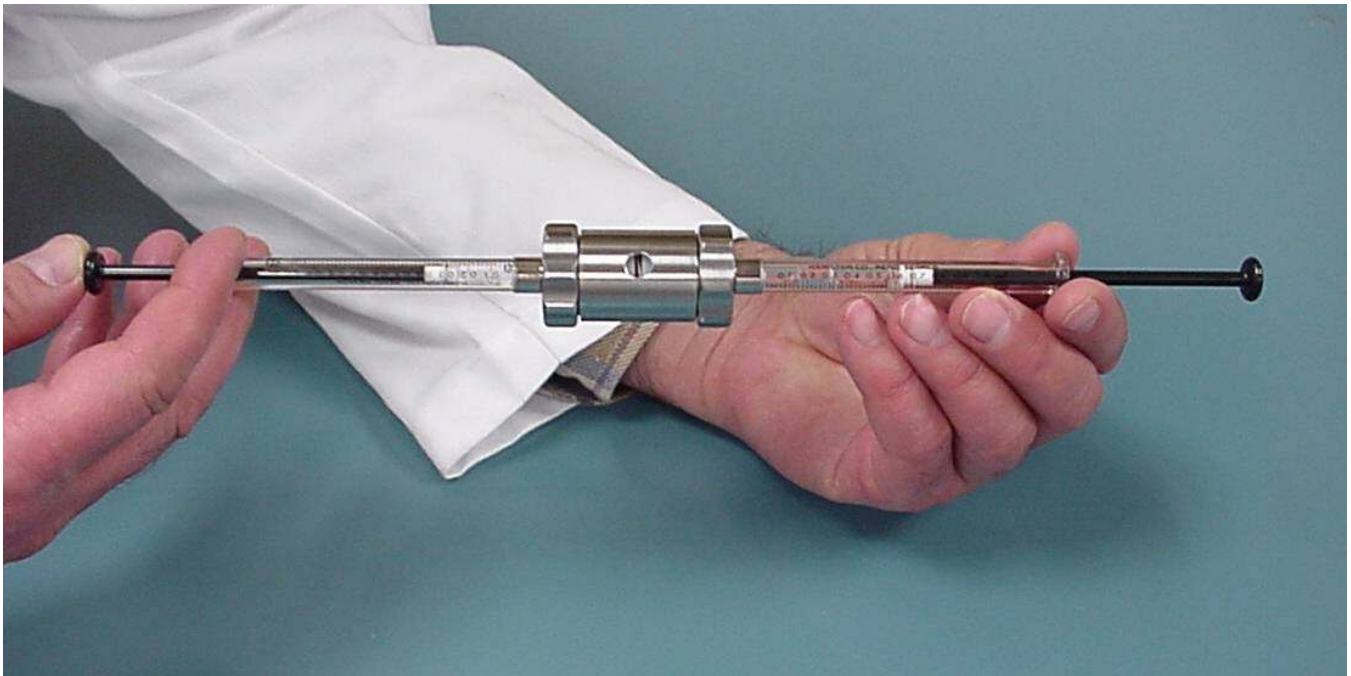


**Cell Rupture  
Nanoparticles  
Emulsions  
Liposomes**

## **Liposofast Extruders**



The LiposoFast is designed to produce unilamellar populations of liposomes by the extrusion of a multilamellar liposome suspension.

Extrusion is a simple process to isolate unilamellar liposomes. A multilamellar sample is forced repeatedly through polycarbonate filters with a defined pore size, removing liposomes of the wrong size. Extrusion is a gentle process which does not require addition of any solvents and only moderate pressures.

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biopharma process systems

# Liposofast Extruder

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## Liposofast Basic

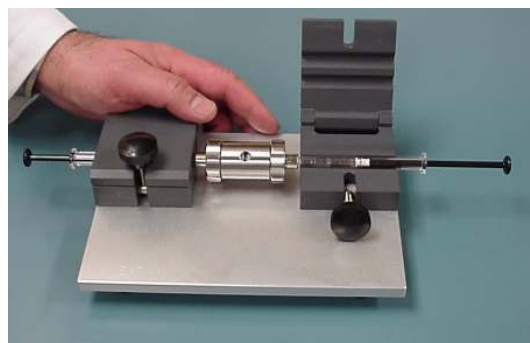
The Liposofast Basic is a manually powered extruder designed for use with small samples. The sample is passed back through the membrane by pushing the sample back and forth between two syringes. Homogenous samples can be produced quickly and easily in minutes—typically 11-20 passes are sufficient to produce a sample with uniform liposome size.

Sample size 0.2ml-1.0ml

Virtually no dead-volume

Gas-tight syringes are available in 0.25ml, 0.5ml and 1.0ml.

Easily cleaned and suitable for sterilisation



*Liposofast Basic with stabiliser*

## Temperature Control

The entire LiposoFast-Basic can be immersed in a water bath for use with high transition temperature lipids or heat sensitive compounds.

## Accessories

The optional LiposoFast-Stabilizer was designed to simplify the repetitive use of the LiposoFast-Basic as well as the extrusion of highly concentrated samples. It accommodates both 0.5mL and 1.0mL syringes. A range of polycarbonate membranes are available to suit requirements.

## Liposofast LF-50

The Liposofast LF-50 uses compressed gas at pressures up to 600psi/41bar to pressurize the sample cylinder and force the starting materials through a polycarbonate membrane.

## Temperature Control

The sample cylinder of the LF-50 is sealed within a stainless steel jacket. Heat transfer fluid such as heated water can be circulated between the sample cylinder and the jacket to increase the temperature of the starting material for high transition temperature lipids or heat sensitive compounds.

## Cleaning / Sterilisation

All components of the LF-50 are easily cleaned and can be autoclaved. The design is suitable for SIP or CIP.



*Liposofast LF-50*



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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

