



Lipids extrusion – Liposomes preparation

[NanoSizer™ MINI Liposome extruder](#) | [NanoSizer™ PLUS Liposome extruder](#) | [NanoSizer™ AUTO](#)

NanoSizer™ MINI Liposome extruder

NanoSizer is a fully assembled extruder with low dead volume for extrusion of liposomes, lipids, and polymer:

> Faster, Cleaner, Easier, Cheaper, and Contamination-free <

- Save time: ready-to-use (fully assembled)
- Safe and Clean: no need for cleaning
- low dead-volume and leak-proof
- Available with 9 cutoff, from 50nm to 10000nm



Each extruder contains a single clean track-etched **polycarbonate membrane**. A range of pore-sizes is available: 50 nm, 100 nm, 200 nm, 400 nm, 800 nm, 1 µm, 2 µm, 5 µm, 1 µm.

NanoSizer is fully assembled liposome extruder. It saves a significant amount of time of assembly, and it is contamination-free (no need for cleaning harsh biological materials and molecules which can carry from batch to batch). The low dead-volume and leak-proof character of these extruders greatly prevent the loss of precious lipid or other nano- or micro- particle solutions.

▪ MINI Extruders

NanoSizer™ MINI Extruder cartridges work manually or with [NanoSizer AUTO I or 10](#) equipment.

Complete NanoSizer™ MINI Extruder Starter Kit

Available with 50 tonm to 1000nm filter. Precise the cutoff at the end of the cat.number, i.e. B2IH4-200nm

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B2IH4-, 10u

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Available with 50 tonm to 1000nm filter. Precise the cutoff at the end of the cat.number, i.e. B2IH4-200nm

50 nm (red)

80 nm (grey)

100 nm (orange)

200 nm (blue)

400 nm (green)

800 nm (magenta)

1000 nm (yellow)

5000 nm (pink)

10000 nm (brown)

B2IH50, 10u

B2IH60, 10u

B2IH70, 10u

B2IH80, 10u

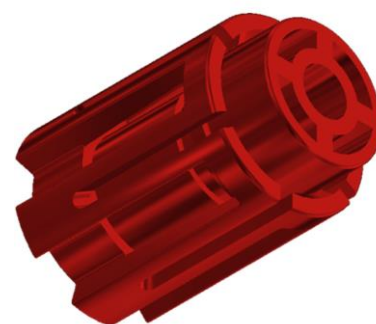
B2IH90, 10u

B2IHA0, 10u

B2IHB0, 10u

B2IHC0, 10u

B2IHD0, 10u



▪ Accessories

Liposome NanoSizer MINI Extrusion Holder/Heat Block B2IHN0/u

NanoSizer liposome extrusion block allows you to heat solutions evenly and hold components firmly. The patented technology allows you to insert syringes to be firmly held while extruding your solution. This could greatly avoid any chance of leakage or contaminations of lipids and liposomes. Plus this is the least expensive extrusion block in the market.

50 NanoSizer MINI Extrusion Syringes and 50 Needles

Extrusion 1mL Syringes

Extrusion Needles

B2IHQ0/Set of 50 syringe and 50 needles

B2IHP/Box of 50

B2IHQ0/Box of 50

▪ PLUS Extruders

NanoSizer™ PLUS Extruder cartridges work with [NanoSizer AUTO Plus](#) equipment (required), enabling rapid higher flow of 1-100 mL/min rate extrusion of liposomes, polymerosomes, cell membranes, and colloidal suspensions.

NanoSizer PLUS Liposome Extruder	50 nm (red)	B2IHE0, 10u
NanoSizer PLUS Liposome Extruder	80 nm (grey)	B2IHF0, 10u
NanoSizer PLUS Liposome Extruder	100 nm (orange)	B2IHG0, 10u
NanoSizer PLUS Liposome Extruder	200 nm (blue)	B2IHH0, 10u
NanoSizer PLUS Liposome Extruder	400 nm (green)	B2IHI0, 10u
NanoSizer PLUS Liposome Extruder	800 nm (magenta)	B2IHJ0, 10u
NanoSizer PLUS Liposome Extruder	1000 nm (yellow)	B2IHK0, 10u
NanoSizer PLUS Liposome Extruder	5000 nm (pink)	B2IHL0, 10u
NanoSizer PLUS Liposome Extruder	10000 nm (brown)	B2IHM0, 10u

Also available as sterile units. Please [inquire](#).



NanoSizer™ AUTO

The automated by NanoSizer AUTO technologies allows you for **continuous extrusion** of liposomes from 1mL or 300L!

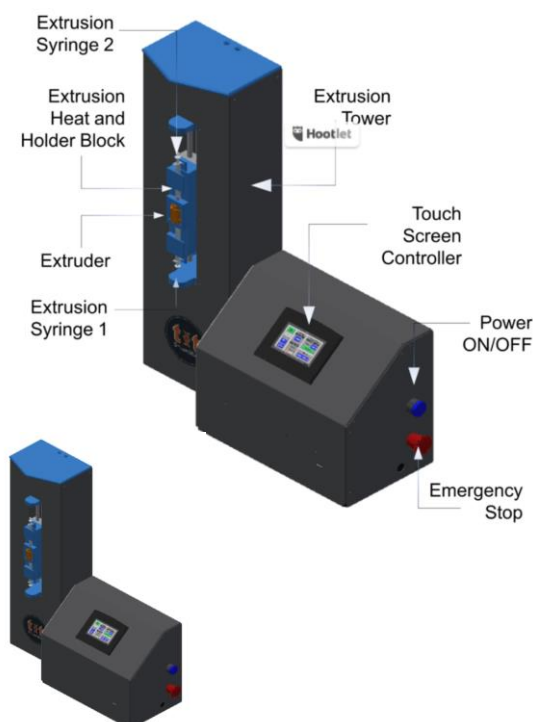
This enables **clean, fast and inexpensive sizing and production** of liposomes and lipid nanoparticles.

The researchers choose the desired number of extrusion passes while selecting a **consistent extrusion flow rate every time** which could significantly improve the **consistency and repeatability** of the narrowly sized liposomes.

NanoSizer Auto Class I	TTE-018
NanoSizer Auto Class 10	TTE-021
NanoSizer Auto Class Plus	TTE-019
NanoSizer Auto Class Ultra	TTE-020

Features :

Available Pore Sizes	50 nm - 10000 nm
Extrusion Flow Rate	0.1 to 10 mL/min (to 100-10000 mL/min for TT-019 & TT-020 models)
Flows In	1mL Syringe (3-5-10ml syringes for TT-019, or tubing set for TT-020)
Working Volume	1 mL - 50 mL (or 0.5-4-200L for other models)
Work flow	Automated extrusion
(Automatic Continuous Extrusion (Draw, Extrude, and Release) for models TTE-019 and TT-020)	
Closed-Loop Temperature Control	
Controlled Number of Extrusion Passes	
Live Temperature Monitoring	
Controlled Extrusion Flow Rate	
Touch Screen Controller	
Manual Extrusion and Positioning	
Warranty	1 Year Full Replacement



Related product lines

- [Lipidomics catalog^{\[PH\]}](#), including

- Lipids assays Lipids dosage by biochemistry assays - for clinical studies, and for agrofood industry
Lipids oxidation assays
- Lipids cell assays Lipid droplet assays,
- Lipids metabolism assays
- Lipids interaction assays
- Antibodies to Lipids

- [Lipidic standards](#):

- Splash MS standards : *Qualitative / Profiling standards lipids mixes*

• [LIPIDOMIX Standards^{\[PH\]}](#)

• [LIPID MAPS MS Standards^{\[PH\]}](#)

- [Lipids industry applications^{PH-BH320a/b}](#) : Cosmetics | Galenique | Vaccines | FAMA analysis |

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Information inquire

Reply by Fax : +33 (0) 4 70 03 82 60 or email at interbiotech@interchim.com

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