



Vesicle Prep Pro

Liposomes made easy



nanjion

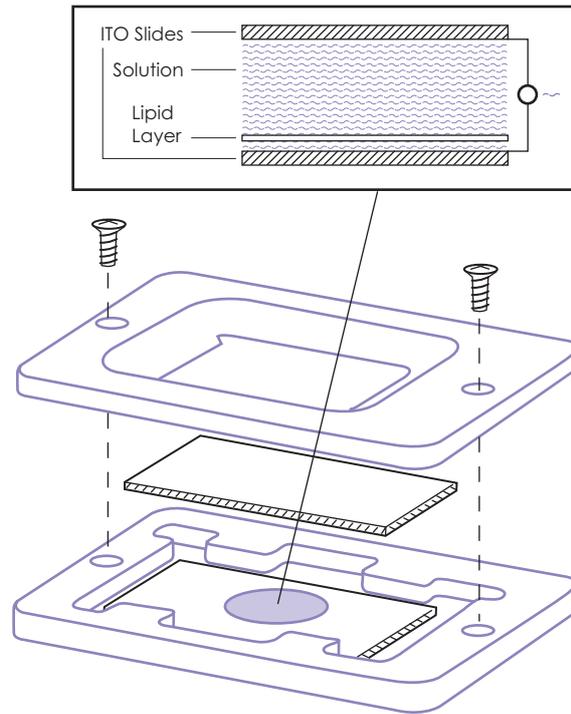
Key features at a glance

- 1** Easy and quick, automated preparation of solvent free GUVs
- 2** Stable and reproducible GUVs of homogeneous size (\varnothing 1–30 μm)
- 3** Optical monitoring possible throughout the entire GUV formation process
- 4** Variety of lipids can be used
- 5** Integrated temperature control
- 6** Voltage amplitude, frequency and temperature freely definable
- 7** Reusable indium tin oxide (ITO) coated slides as electrodes
- 8** Formation process can be monitored through included VesicleControl software

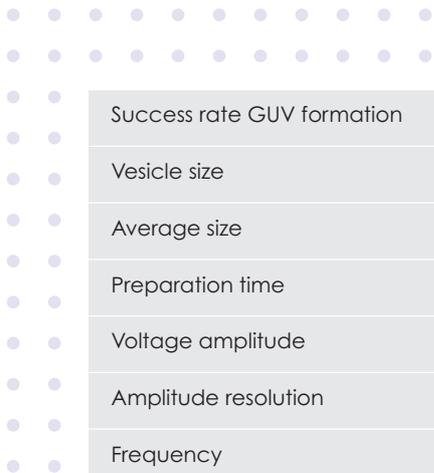


The Vesicle Prep Pro System includes

- Vesicle Prep Pro
- Vesicle Prep Chamber
- Integrated temperature control
- ITO slides
- VesicleControl software (Windows)



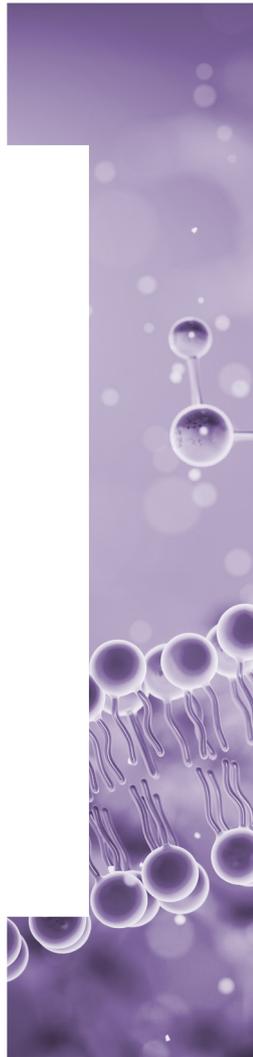
Vesicle Prep Chamber



Specifications

Success rate GUV formation	100 %
Vesicle size	1–30 μM
Average size	10 μM (60–70 %)
Preparation time	20–300 minutes (lipid/protocol dependent)
Voltage amplitude	+/- 10 V (max. 20 V peak to peak)
Amplitude resolution	10 mV
Frequency	0–1000 Hz
Capacity of liquid	200–900 μl
Temperature range	RT –70 °C
Maximum salt concentration	50 mM (NaCl or KCl etc.)

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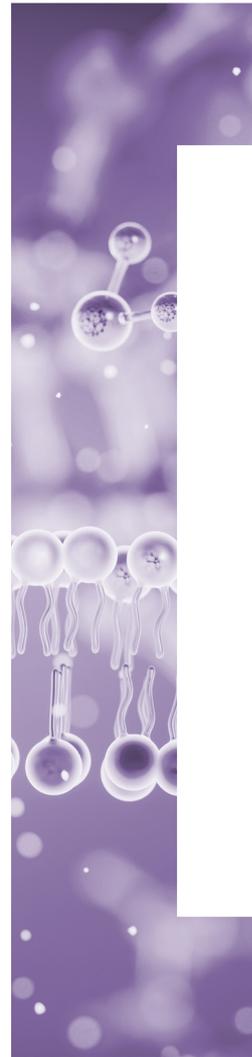
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