P18: FORMATION OF LIPOSOMES

Aim: design of photopolymerizable phospholipids

Reagents

- Photopolymerizable phospholipids
- 140mM Nacl
- 10mM HEPES Buffer

Materials

- Pipettes
- Pipettes tips
- Centrifuge
- Vortex
- Centrifuge
- Vaccuum desiccator

Protocol

This is a very light protocole we made from reference article

- Mix lipids at desired molar ratios in a glass tube.
- Remove the solvent under nitrogen to form a lipid film.
- Remove residual chloroform by placing the films overnight in a vacuum desiccator.
- Formation of multilamellar vesicles by reconstituting the lipid with HEPES buffer (10mM HEPES, 140mM NaCl, pH 7,5) and by vigorous vortexing.
- To encapsulate toxins, reconstitute lipid films with the desired concentrations of toxins in HEPES buffer.
- Sonication at 4 degrees for 5-10 minutes (1 minute pulse and 1 minute rest)
- Centrifuge the samples at 2000g for 5-10 minutes to remove any titanium particles and larger aggregates.
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Je mets quoi d'autre...?