## Vesicle generation from Microfluidic System

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- Dissolve lipid in oleic acid
   (may require heating of the solution to 40C° to
   60 C° )
- Generate coated droplets in microfluidic system (Figure 1). Coated droplets should be thick and viscous.
- 3. Extract 100uL of coated droplets and disperse it in 5-10ml of 30% ethanol water mixture.
  Vortex and centrifuge the mixture then extract the bottom fluidic phase. Disperse the bottom fluidic phase in water. (Figure 2)

(Top) Coated droplets generated in the fluidic channel (Bottom) Coated droplets in the collected reservoir

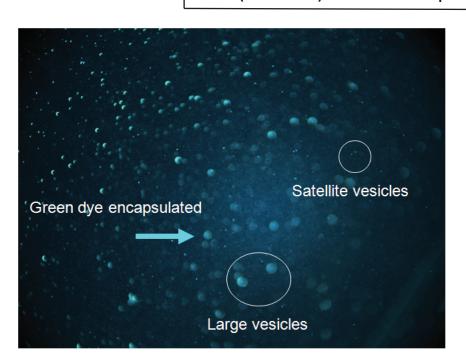


Figure 2 (left)
Collected vesicles after the dissolution process.