Supplemental information: Particle size distribution and concentration of Intralipid® 20 %

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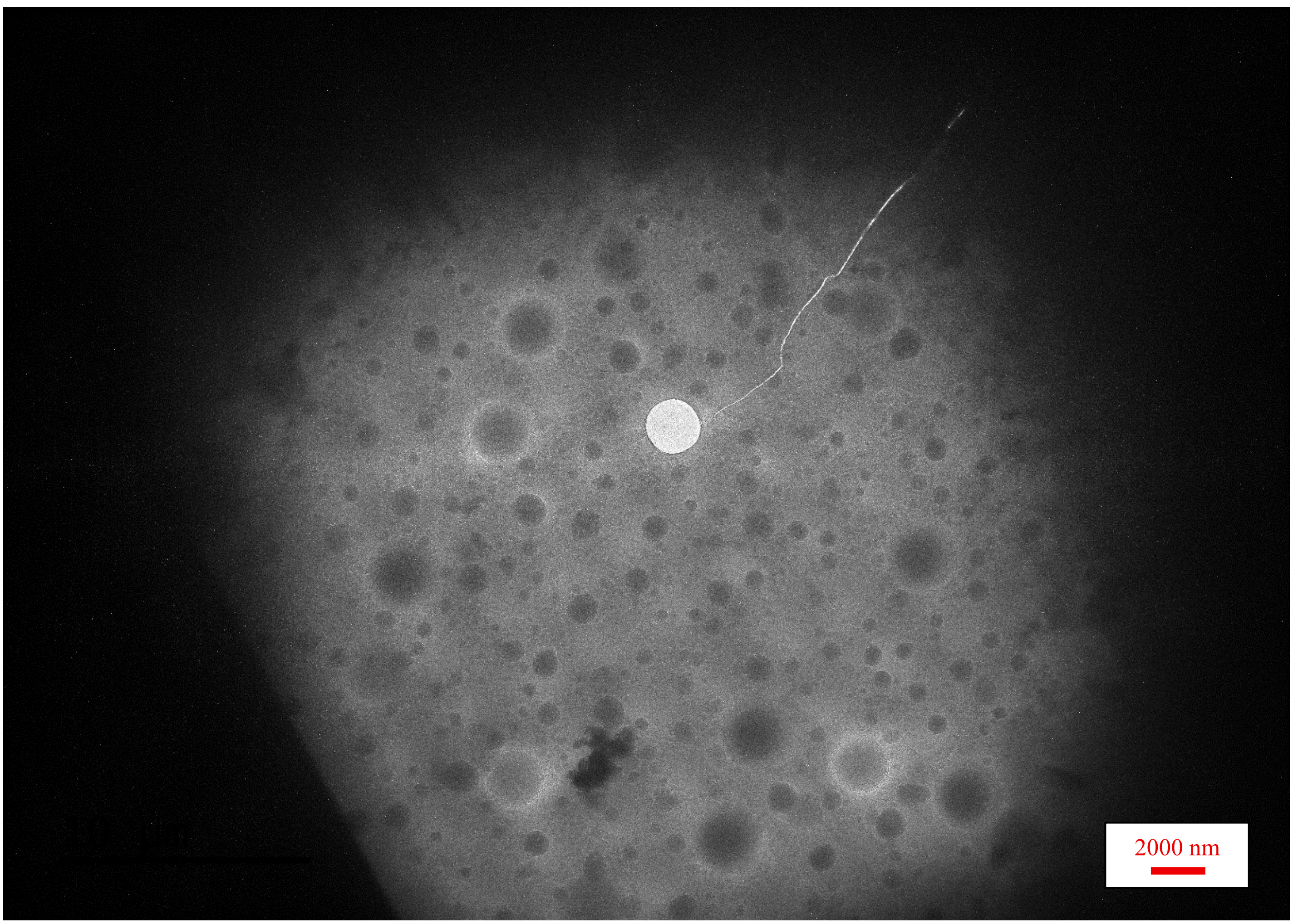

Fig. S1 Representative cryogenic electron microscopy (cryo-EM) image of 1 % (v/v) dilution of Intralipid® 20 % in Dulbecco's phosphate-buffered saline.

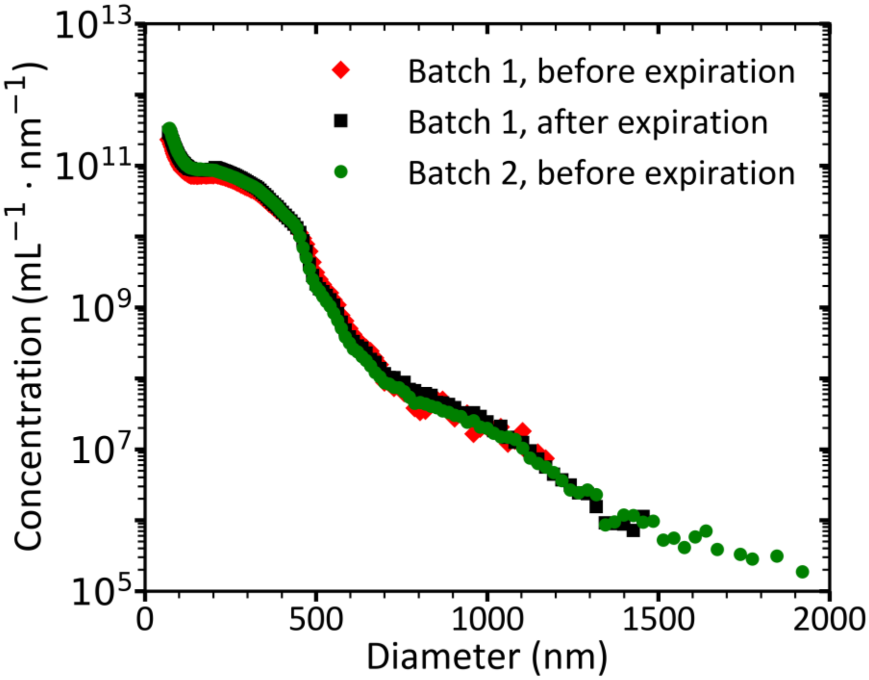

Fig. S2 Concentration versus particle diameter in stock Intralipid® 20 % measured using flow cytometer 1 (Northern Lights). Diamonds represent batch 1 of Intralipid® 20 % before expiration, squares represent batch 1 three months past its expiration date, and circles represent batch 2 before expiration. The particle size distributions (PSDs) are the combined results from two detector gain settings, as explained in Methods Sec. 2.4. For the gain-2000 measurements, the acquisition times were 2 minutes for all samples, while for the gain-10 measurements, acquisition times were 2 minutes for batch 1 before expiration, 10 minutes for batch 1 after expiration, and 30 minutes for batch 2. To report the stock concentration of Intralipid® 20 %, we multiplied the measured PSD of diluted samples, as described in the Methods Sec. 2.6, with the dilution factor. For calibrating flow cytometer results, particles in Intralipid® 20 % were modeled as soybean oil droplets (refractive index = 1.4927) in Dulbecco's phosphate-buffered saline (refractive index = 1.3446).