Movie1: The ethanol concentration in the droplet is 50% in volume. Images are taken by pco HS1200. The scale bar is 100 μ m. The movie is in droplet frame.

Movie2: The ethanol concentration in the droplet is 100% for Stage 1, in which the dark area around the droplet is more obvious, and 50% in volume for Stage 2 and 3. Images are taken by Imager proX from Zeiss. 7 μ g/ml NBD, a fluorescent lipid

(1-palmitoyl-2-12-[(7-nitro-2-1,3-benzoxadiazol-4-yl)amino]dodecanoyl-sn-glycero-3-phospho choline) which has the similar chemical affinity as monoolein is added to squalane to visualize monoolein transport. The scale bar is 100 µm. The movie is in droplet frame.

Movie3: The ethanol concentration in the droplet is 50% in volume. Images are taken by an sCMOS camera (Orca, Hamamatsu). The scale bar is 100 μ m. The movie is in droplet frame.