

Electronic Supplementary Information for
Effect of dibucaine hydrochloride
on raft-like lipid domains
in model membrane systems

Kazunari Yoshida,* Akito Takashima, and Izumi Nishio

E-mail: yoshida.k09@nishio-lab.net

Contents

1	Two-dimensional autocorrelation (2D-AC) analyses	S2
2	Microscopic image of ambiguous domain pattern	S3
3	Fourier spectrum	S4

1 Two-dimensional autocorrelation (2D-AC) analyses

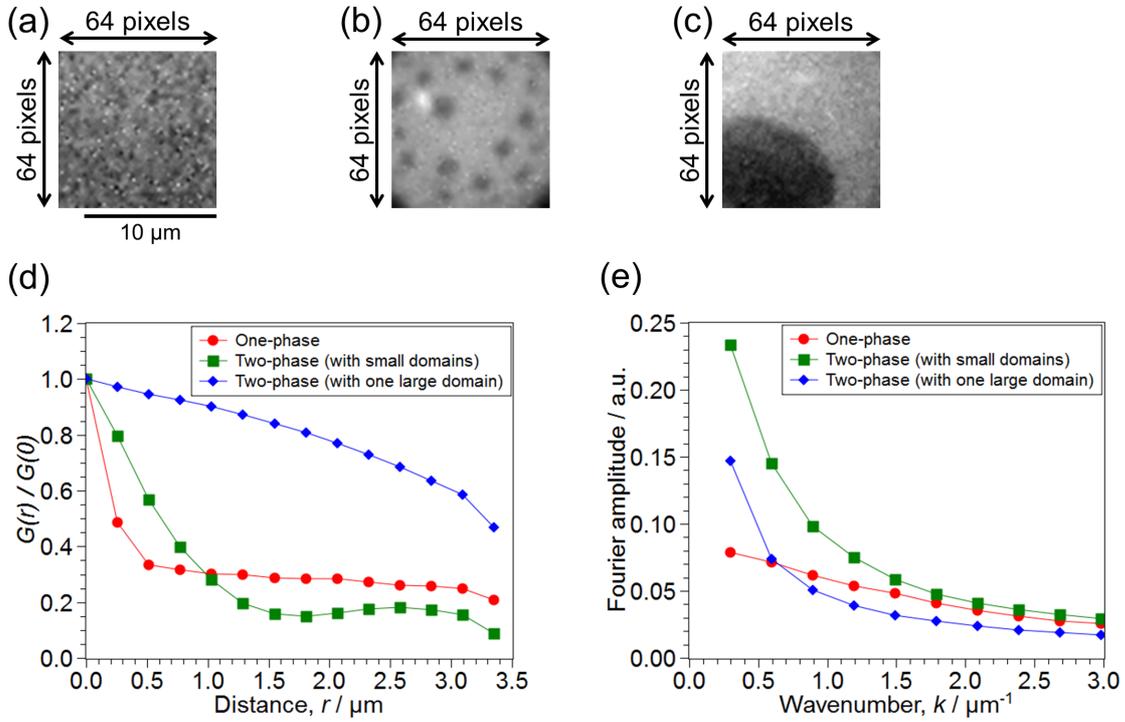


Figure S1: (a, b and c) Typical fluorescence microscopic images of one-phase liposome (a) and two-phase liposomes with small scattered (b) and large (c) Lo domains, respectively. (d) Angle-averaged 2D-AC functions, $G(r)/G(0)$, of each domain pattern, corresponding to (a, b and c). (e) Fourier spectrum of each domain pattern, corresponding to (a, b, c and d).

2 Microscopic image of ambiguous domain pattern

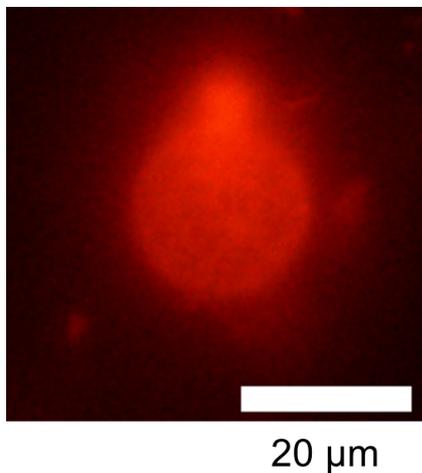


Figure S2: Example of microscopic image of ambiguous domain pattern. This liposome was observed with 0.05 mM DC·HCl at 30 °C. Scale bar represents 20 μm .

3 Fourier spectrum

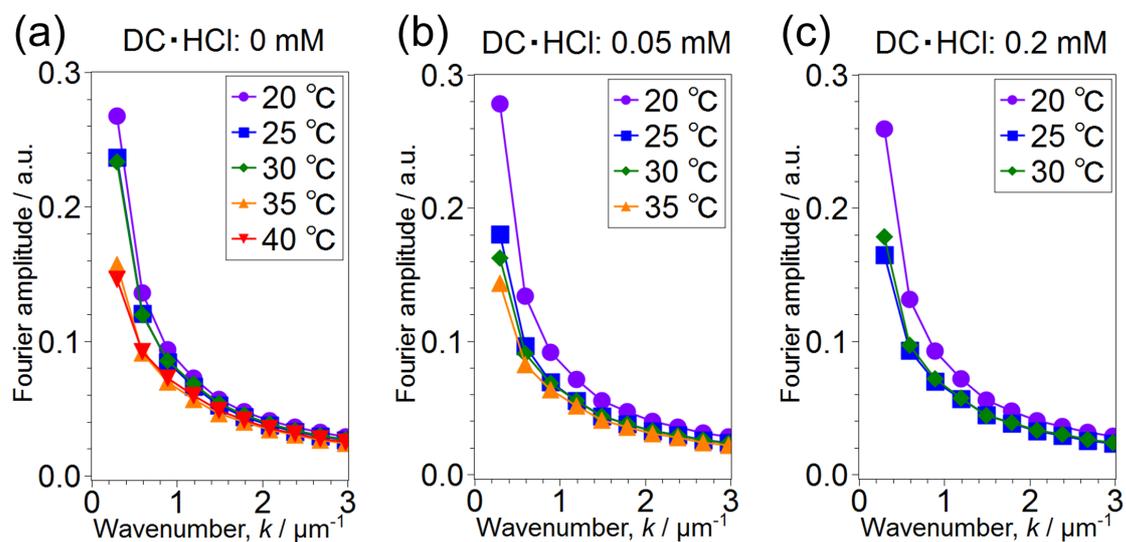


Figure S3: (a, b and c) Mean values of the Fourier amplitudes of the $G(r)/G(0)$ curves as a function of wavenumber (k) at 0, 0.05 and 0.2 mM DC·HCl, respectively ($n \geq 10$ under each set of conditions, error bars not shown).