Electronic Supplementary Material (ESI) for Lab on a Chip.

Supplementary information

3D printed microfluidic devices for lipid bilayer recordings

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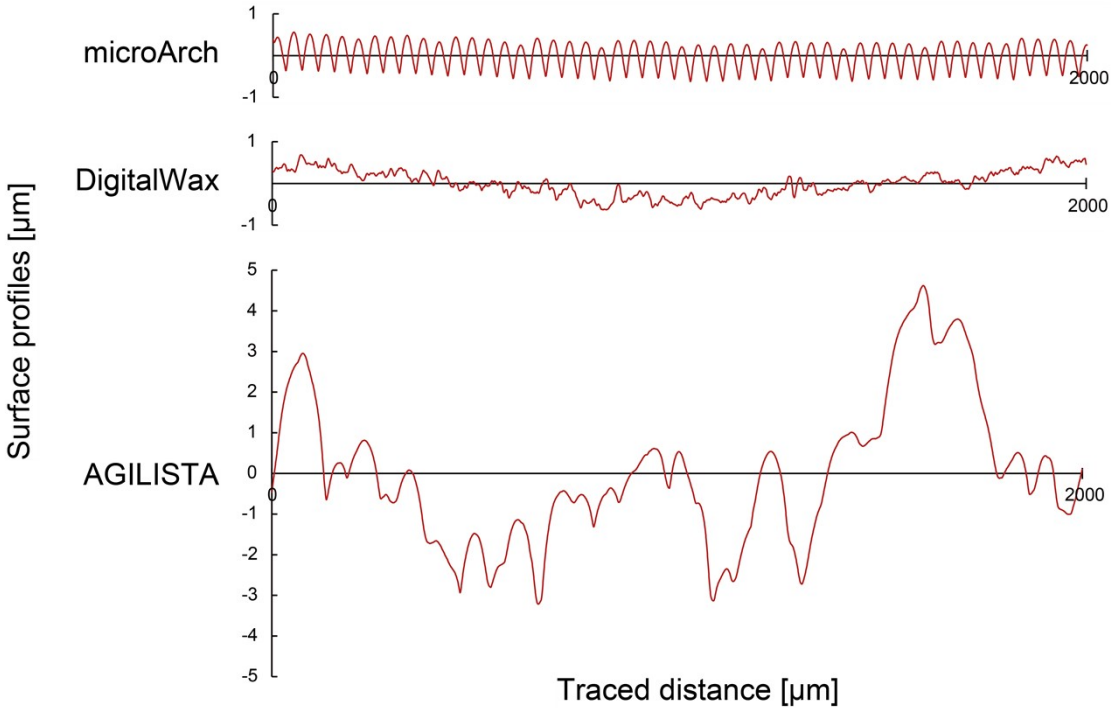

Figure S1: Representative surface profiles of the separators fabricated by 3D printers.

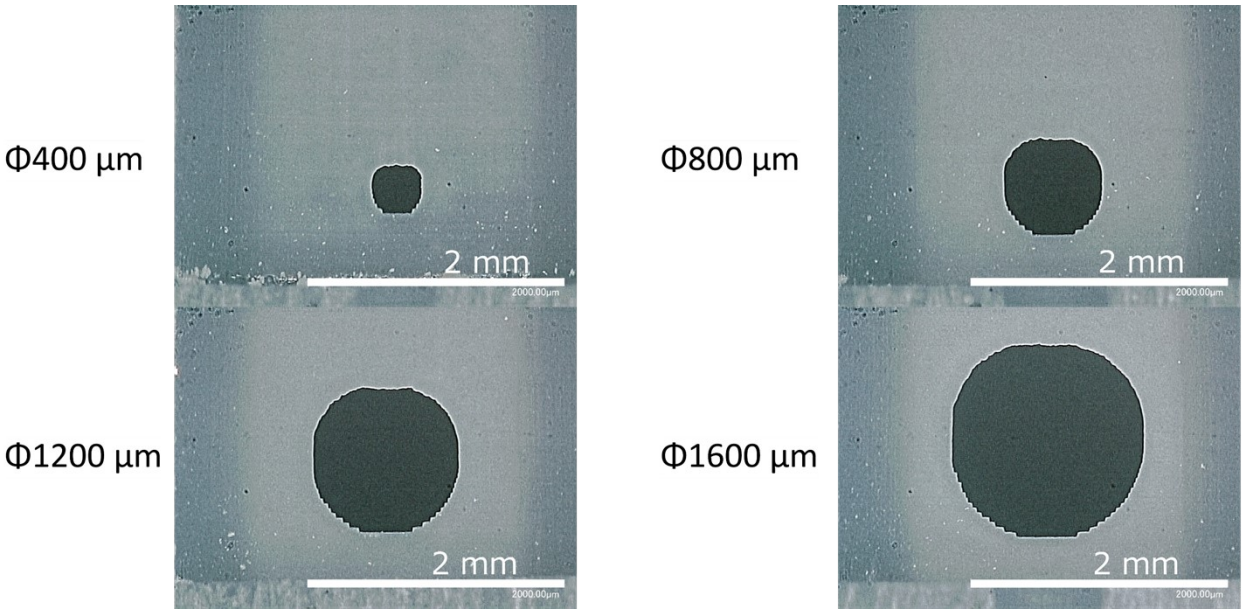

Figure S2: Front views of the separators made by the DigitalWax printer.

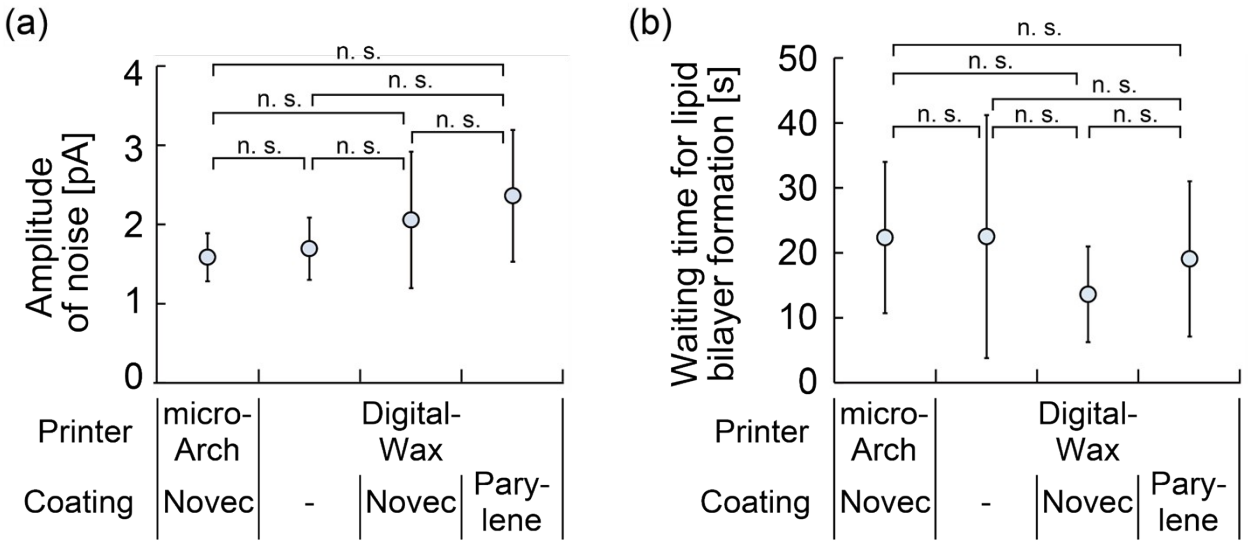

Figure S3: (a) Relationship between the electrical noise and the combination of device materials (W = 200 μm, D = 800 μm) (n = 5). (b) Relationship between the waiting time for a lipid bilayer formation and the combination of device materials (W = 200 μm, D = 800 μm) (n > 9). Error bars represent standard deviation. The significance was assessed by evaluating the pairwise differences among the mean values using Tukey-Kramer test. *$p < 0.05$, n.s. not significant. Applied voltage: 50 mV. αHL concentration: 100 nM.