

Supplementary Information (SI) for Soft Matter.

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Supplemental Material: Ultra-giant lipid vesicle functioning as a centimeter-sized smart chemical reactor

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We have uploaded movie files to provide the images to demonstrate the actual observations for the experiments reported in the present article. Supplement movies #1, #2, #3, and #4 correspond to the Figs. 1, 2, 3, and 4 in the main text, respectively.

SUPPLEMENTAL MOVIES

Supplemental Movie #1: Experimental procedure to prepare an ultra-giant lipid vesicle (UGLV) is shown in the movie. Detailed experimental condition is interpreted in the main text and in the caption of Fig. 1.

Supplemental Movie #2: Stability of UGLV against mechanical stimulus by using a spatula is visualized in the movie. Details of the experimental condition are given in the main text and in the caption of Fig. 2.

Supplemental Movie #3: Formation of a UGLV containing BZ medium, and its oscillatory behavior is shown in the movie. Details of the experimental conditions are given in the main text and also in the caption of Fig. 3 in the main text.

Supplemental Movie #4: Coupling the chemical oscillations between the neighboring UGLVs is shown in the movie. Details of the experimental condition are given in the main text and also in the caption of Fig.4.