

**The caption of Code:**

Code. MATLAB source code for trajectory tracing.

**The caption of Cells Releasing:**

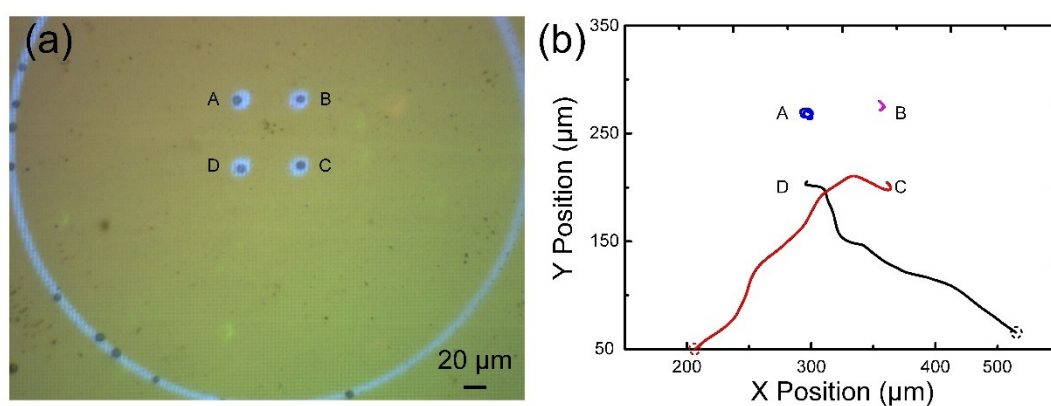
Cells Releasing. Trajectory analyses of *C. reinhardtii* cells after being released.

**The caption of Movie S1:**

Movie S1. Trapping and transportation of swimming algal cells.

**The caption of Movie S2:**

Movie S2. Pattern of swimming algal cells.



**Fig. S1** (a) Four *C. reinhardtii* cells were trapped. (b) Trajectory analyses of *C. reinhardtii* cells after being released.