

Supplementary movie data:

Movie 1:

A movie of a fd-concentration of 3.8 mg/ml, where the initial shear-break up is taken at 3-5 hours, followed by slowing down texture dynamics. Finally, the equilibration of the chiral-nematic texture can be seen under depolarized light at the waiting time of 80-100 hours. The field of view is $7 \times 7 \text{ mm}^2$ and taken at every 10 minutes for 168 hours.

Movie 2:

A movie of a fd-concentration of 4.5 mg/ml, which has shown a mechanical kink where the whole depolarized texture suddenly changes to about 15 hours later, as a sudden release of microscopic stress that is built in different strength of helicity of neighboring chiral-nematic textures. The field of view is $7 \times 7 \text{ mm}^2$ and taken at every 5 minutes for 40 hours.

Movie 3:

A movie of a fd-concentration of 7.3 mg/ml, where different orientation textures (so-called "X-pattern") are equilibrated, without sign of kink. The field of view is $7 \times 7 \text{ mm}^2$ and taken at every 10 minutes for 168 hours.

Movie 4:

A movie of a fd-concentration of 11.1 mg/ml, which has now a bit longer time of the initial shear-breakup at 12-15 hours, followed by different equilibrated orientation texture, as tightly packed domain texture, at the waiting time of 80-100 hours. The field of view is $7 \times 7 \text{ mm}^2$ and taken at every 10 minutes for 168 hours.