

- Video S1.** Beating monolayers of differentiated HC-iPSCs at day 15.
- Video S2.** Beating monolayers of differentiated SLE-iPSCs at day 15.
- Video S3.** Calcium signaling monolayers of differentiated HC-iPSCs at day 15.
- Video S4.** Calcium signaling monolayers of differentiated SLE-iPSCs at day 15.
- Video S5.** Calcium signaling monolayers of HC-CMs in treated serum.
- Video S6.** Calcium signaling monolayers of SLE-CMs in treated serum.
- Video S7.** Beating spheroid of differentiated HC-iPSCs at day 15.
- Video S8.** Calcium signaling spheroid differentiated HC-iPSCs at day 15.