Supplementary Information

Hollow Fiber System for Simple Generation of Human Brain Organoids

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Figure S1. Neuroepithelial expansion of organoids after encapsulation in hollow fibers. (a) Bright field images of neuroepithelial bud expansion at day 14. Red arrows indicate neuroepithelial buds.
(b) Haematoxylin and eosin staining of brain organoids reveals various rosette-like neuroepithelium structure at day 15 and 25. Red dotted lines mark neural rosette-like structures. Scale bars: 200 μm.

Others

Movie S1: Fabrication of hollow fiber by the microfluidic device.

Movie S2: Injection of stem cell-derived spheroids into fibers.

Movie S3: Calcium imaging of individual neurons in brain organoids.