Spheroid Formation on LIPIDURE®-COAT

Materials

1. LIPIDURE®-COAT PLATE A-U96 (Cat No. AMS.51011610)
2. Cell; Rat Hippocampus Neuronal Cell (DS pharma Biomedical Cat No. MB-X0402D)
3. Human recombinant EGF
4. Human recombinant bFGF

Cell culture medium

1. Trial Set for Neuronal Cell Culture (DS pharma Biomedical Cat No. MB-X0601D)

Cell preparation

1. Neuronal cells were cultured according to Trial Set for Neuronal Cell Culture.

Spheroid formation

1. The cells were enzyme-treated and plated at a seeding density of 200, 1000, 5000 cells/well (0.1 mL/well) on LIPIDURE®-COAT Plate.
2. The plate was incubated at 37℃ in 5 %CO_2 incubator for 1~7 days.
3. From day 1, the single spheroid were formed in each well.

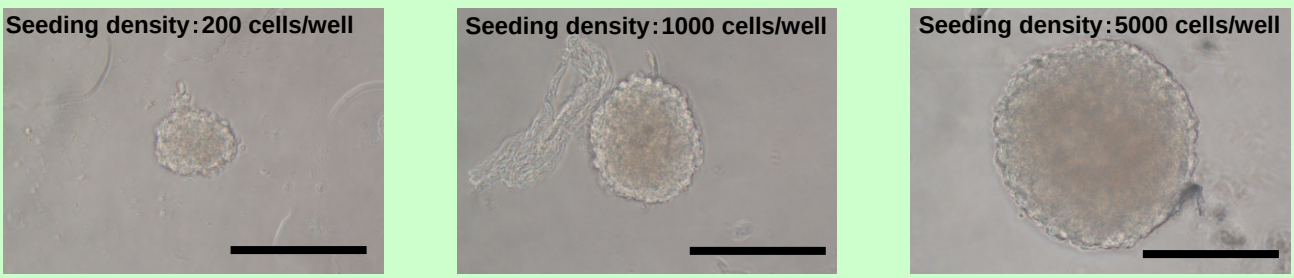
* For spheroid formation, the media consisting with 50ng/mL human recombinant EGF and 25ng/mL human recombinant bFGF was used.

* * The medium was gently changed every other day by pipetting. (We recommend the change of 70 μL/well.).

Application

1. You can use the spheroids for cell-based various assays.

Neurospheres formed on LIPIDURE®-COAT on day 5



Scale bar= 200 µm

All photos were supplied by Dr. Ijima at Kyusyu University

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