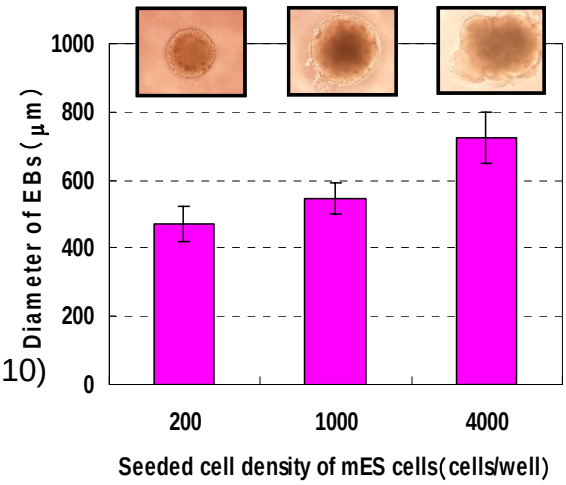
Embryonic Body Formation on LIPIDURE®-COAT

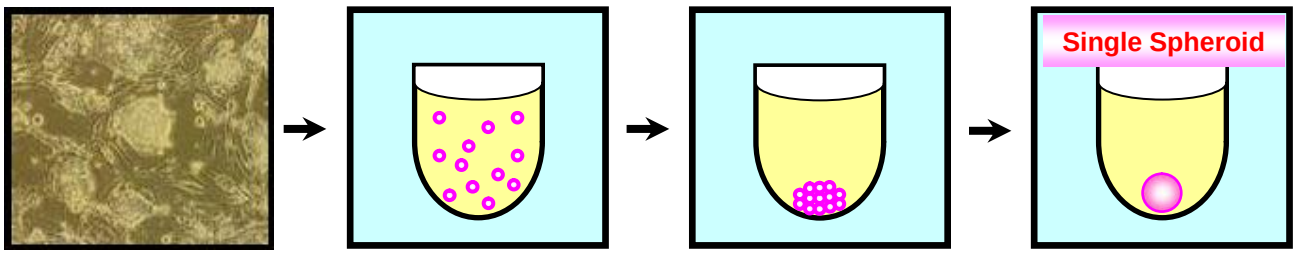


Materials

- ☐ Lipidure®-Coat Plate A-U96 (Cat No.AMS.51011610)
- ☐ mES cells of the cell line 129SV
- ☐ Medium for EB formation

IMDM or DMEM (Invitrogen), 20% FBS, 1 mM Sodium Pyruvate (Invitrogen), 0.1 mM non essential amino acids, 0.1 mM 2-mercaptoethanol, 50 U/mL penicillin, 50 mg/mL streptomycin

Method



Step 1: ①Prepare of 80% confluent mES cells in 6 well plate.
②Wash by PBS at 3 times.
③Add 0.5～1 mL of 0.1% trypsin solution and incubate for 5 min at 37℃.
④Add 4 mL EB formation medium.
⑤Centrifuge (1,000 rpm, 5 min, 4℃).
⑥Discard supernatant and resuspend by EB formation medium.
⑦Count cell number and dilute into 5,000 cells/mL.
Step 2: ⑧Seed 200 μL/well (1,000 cells/well) in Lipidure®-Coat Plate A-U96.
Step 3: ⑨Incubate in the humidified CO_2-incubator (37℃, 5% CO_2) for 3～5 days.
Step 4: ⑩Harvest EB by pipetting.

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