

Designations: HT-22**Organism:** Mus musculus (mouse)**Tissue:** hippocampal**Disease:** normal**Cell Type:** neuronal**Growth:** adherent

Propagation: The base medium for this cell line is formulated Dulbecco's Modified Eagle's Medium, To make the complete growth medium, add the following components to the base medium: 4.5g/L glucose, fetal bovine serum to a final concentration of 10%

Atmosphere: air, 95%; carbon dioxide(CO₂), 5%**Temperature:** 37 °C**Subcultivation:**

1. Remove and discard culture medium.
2. Briefly rinse the cell layer with 0.25% (w/v) Trysin-0.53 mM EDTA solution to remove all traces of serum which contains trypsin inhibitor.
3. Add 2.0 to 3.0 ml of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually with 5minutes).

Note: To avoid clumping do not agitate the cells by hitting or shaking the flask while waiting for the cells to detach. Cells that are difficult to detach may be placed at 37 °C to facilitate dispersal.

4. Add 6.0 to 8.0 ml of complete growth medium and aspirate cells by gently pipetting.

Subcultivation Ratio: 1:2 to 1:4 is recommended**Medium renewal:** 2 to 3 times per week**Freeze medium:** culture medium, 95%; DMSO, 5%**Storage:** Liquid Nitrogen