



Apr 02, 2023

STC-1 cell culture

DOI

dx.doi.org/10.17504/protocols.io.5jyl8jky8g2w/v1

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DOI: <https://dx.doi.org/10.17504/protocols.io.5jyl8jky8g2w/v1>

Protocol Citation: Michael J Hurley 2023. STC-1 cell culture. **protocols.io**

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Protocol status: Working

We use this protocol and it's working

Created: February 27, 2023

Last Modified: May 31, 2024

Protocol Integer ID: 77704

Keywords: ASAPCRN, cell

Funders Acknowledgements:

Aligning Science Across Parkinson's

Grant ID: ASAP-000420

Abstract

Cell culture of STC-1 mouse enteroendocrine cells.

Troubleshooting



STC-1 cell culture

- 1 Obtain Mouse (*Mus musculus*) neuroendocrine duodenal adenoma STC-1 cells (RRID:CVCL_J405) from the American Type Culture Collection (ATCC-CRL-3254™).
- 2 Grow STC-1 cells in DMEM:F12 Ham with GlutaMax™ media supplemented with 10 % charcoal absorbed foetal bovine serum (LabTech), 1 mM sodium pyruvate, non-essential amino acids (100 mM) and penicillin (100 U/ml) streptomycin (100 mg/ml) on 12 well plates at 37°C under saturating humidity in a 5% CO₂/95% air mixture.
- 3 Subculture cells when 80-90 % confluent using Accutase™ and replate at 1:10 dilution for maintenance or at an appropriate density for experiments.