APR 02, 2023

OPEN ACCESS

**DOI:**
dx.doi.org/10.17504/protocols.io.5jyl8jky8g2w/v1

**Protocol Citation:** Michael J Hurley 2023. STC-1 cell culture. **protocols.io** https://dx.doi.org/10.17504/protocols.io.5jyl8jky8g2w/v1



**Protocol status:** Working
We use this protocol and it's working

**Created:** Feb 27, 2023

**Last Modified:** Apr 02, 2023

**PROTOCOL integer ID:**
77704

**Keywords:** ASAPCRN

# STC-1 cell culture

Michael J Hurley[1,2]

[1]Department of Clinical and Movement Neurosciences, UCL Queen Square Institute of Neurology, London, UK;
[2]Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, Maryland, USA.

Michael J Hurley

ABSTRACT

Cell culture of STC-1 mouse enteroendocrine cells.

## 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% $CO_2$/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.