



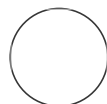
APR 02, 2023

STC-1 cell culture

Michael J Hurley^{1,2}

¹Department of Clinical and Movement Neurosciences, UCL Queen Square Institute of Neurology, London, UK;

²Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, Maryland, USA.



Michael J Hurley

ABSTRACT

Cell culture of STC-1 mouse enteroendocrine cells.

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>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

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

- 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.