

NOV 02, 2023

Cell culture

Alexander Röntgen¹

¹University of Cambridge



Alexander Röntgen

ABSTRACT

Protocol to culture SH-SY5Y cells.

MATERIALS

- Medium: DMEM/F-12, GlutaMAXTM (ThermoFisher Scientific) + 10% Fetal Bovine Serum (GibcoTM)
- Trypsin-EDTA (0.25%) (ThermoFisher Scientific)
- PBS, pH 7.4 (ThermoFisher Scientific)





DOI:

dx.doi.org/10.17504/protocol s.io.36wgq3bk5lk5/v1

Protocol Citation: Alexande r Röntgen 2023. Cell culture. protocols.io https://dx.doi.org/10.17504/p rotocols.io.36wgq3bk5lk5/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: Nov 02, 2023

Last Modified: Nov 02,

2023

Cell culture

	Cell Culture
1	Culture human SH-SH5Y cells at 37 °C and 5% CO ₂
2	Split cells at 80-90% confluency
2.1	Discard medium, rinse with PBS
2.2	Incubate cells with Trypsin-EDTA for 5 min at 37 °C and 5% CO ₂
2.3	Add 9 mL medium to neutralise Trypsin-EDTA
2.4	Centrifuge at 300 <i>g</i> , 5 min, RT
2.5	Discard medium
2.6	Resuspend in 10 mL medium

3 Split at desired ratio into fresh medium