Feb 27, 2019

Working

Picking Clones

In 1 collection

Celeste Karch[1], Rita Martinez[1], Jacob Marsh[1]

[1]Washington University in St Louis

dx.doi.org/10.17504/protocols.io.x77frrn

Neurodegeneration Method Development Community

Tech. support email: **ndcn-help@chanzuckerberg.com**

Celeste Karch
Washington University in St Louis

DOCX

Comprehensive Genomic Editing and Screening Protocol Updated 02142019.docx

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

GUIDELINES

This protocol is part of the Genomic Editing: iPSC collection.

SAFETY WARNINGS

Please refer to the SDS (Safety Data Sheet) for information about hazards, and to obtain advice on safety precautions.

BEFORE STARTING

It takes approximately 1 week for single cell iPSC to proliferate into small, pickable clones. When picking clones, find the balance between large enough in size that the cells will survive the picking, but not so large that they are no longer isolated. If necessary, pick across several days, giving the smaller clones more time to grow.

1 Coat 96 well plate with 50 µl Matrigel per well.

2 Incubate at **37 °C** for **01:00:00** .

3 Prior to picking, aspirate Matrigel. Replace with **50 µl** mTesR1 + 10 µM Rock Inhibitor.

4 Using p20, pick individual clones and place into unique wells. Use a new tip with each clone.

5 Incubate at 37 °C overnight.

6 Change media daily (150 µl mTesR1).