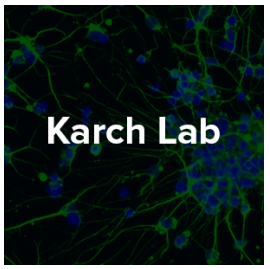
Feb 27, 2019

Neural progenitor banking



In 1 collection

DOI
dx.doi.org/10.17504/protocols.io.x89frz6

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Neurodegeneration Method Development Community
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OPEN ACCESS

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

Created: February 18, 2019

Last Modified: February 27, 2019

Protocol Integer ID: 20481

Attachments

IPSC CORTICAL DIFFER...

179KB

Guidelines

This protocol is part of the **IPSC CORTICAL DIFFERENTIATION** collection.

This method should be performed using sterile technique.

Materials

Please refer to the attached full manuscipt for requried materials.

Safety warnings

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

1 Upon reaching at least 85% confluency, harvest neural progenitor cells as described in protocol below.

Neural progenitor expansion protocol

2 Perform a cell count in 3 mL of NIM using a hemacytometer.

3 Add equal volumes of NIM and 2x neural freezing medium to the NPC cell suspension for a final 1×10^6 cells/mL.

4 Gently mix solution and distribute 1 mL into sterile cryovials. Store cryovials in Styrofoam containers at -80 °C for 48:00:00 and then transfer to liquid nitrogen for long-term storage.