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Working

Neural progenitor banking

In 1 collection

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

[1]Washington University in St Louis

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Neurodegeneration Method Development Community

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

Celeste Karch
Washington University in St Louis

PDF

IPSC CORTICAL DIFFERENTIATION 022017.pdf

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

GUIDELINES

This protocol is part of the IPSC CORTICAL DIFFERENTIATION collection.

This method should be performed using sterile technique.

MATERIALS TEXT

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 x 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.

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