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

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 20481

Neural progenitor banking

In 1 collection

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Neurodegeneration Method Development Community

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ATTACHMENTS

[IPSC CORTICAL DIFFERENTIATION 022017.pdf](#)

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 manuscript for required 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.