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Version 2

Nebuloni, F. & Do, Q. B. et al. (2024) A fluid-walled microfluidic platform for human neuron microcircuits and directed axotomy V.2

DOI

dx.doi.org/10.17504/protocols.io.36wgqjwwxvk5/v2Federico Nebuloni^{1,2}, Quyen Do^{3,4,5}, Richard Wade-Martins^{3,4,5}

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We use this collection and it's working

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Abstract

This collection contains six protocols detailing methods used in Nebuloni, F. & Do, Q. B. et al. (2024) *A fluid-walled microfluidic platform for human neuron microcircuits and directed axotomy*.

Troubleshooting

Files

 SEARCH

Protocol



NAME

 Differentiation of human cortical neurons (CNS) from induced pluripotent stem cells (iPSCs)

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Differentiation of human medium spiny neurons (MSNs) from induced pluripotent stem cells (iPSCs)

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NAME

Fabrication of fluid-walled dumbbells and generation of the human corticostriatal pathway

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Automatic flow in fluid-walled dumbbells driven by Laplace pressure

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Localised axotomy of human Cortical Neurons (CNS) from induced pluripotent stem cells (iPSCs)

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Immunostaining of corticostriatal culture on fluid-walled dumbbells

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