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Cell-Titer Glo for iPSC derived neurons

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Protocol status: Working

We use this protocol and it's working

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Abstract

Cell-Titer Glo viability assay for iPSC derived neurons and neuronal precursors

Protocol materials

 CellTiter-Glo® Luminescent Cell Viability Assay **Promega Catalog #G7570**



Cell culture

- 1 Seed cells in  200 μL media in white opaque 96-wells with clear bottom after regular dissociation according to Kim et al. on day 11 or day 25 respectively. Outer wells of plate are filled with water to avoid evaporation in measurement wells and one row with media for background measurements.
- 2 Change media ( 180 μL) with geneticin additive in ascending doses daily for neuronal precursors and every 3 days for neurons

Cell Glo

- 3 On DIV 19 or 36 respectively;
 CellTiter-Glo® Luminescent Cell Viability Assay **Promega Catalog #G7570** is resuspended with buffer in kit according to instructions
- 4 Take of  100 μL of media and add  100 μL of Cell-Glo reagent (1:1 vol/vol)
- 5 Place on orbital shaker for 2 minutes at  Room temperature
- 6 Incubate in the dark for 10 min at  Room temperature
- 7 Place plate in plate reader; read luminescence (bottom read, integration 1500 ms)