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🌐 iPSC-derived neurons sample preparation for ELISA assays

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Abstract

Cell lysis sample preparation for ELISA assays

Troubleshooting

Cell lysis

1 Cells were washed with cold PBS then lysed with 🧪 300 μL cold RIPA buffer (Thermo Fisher Scientific) supplemented with 1x of a cocktail of phosphatase and protease inhibitors (Life Technologies).

2 Cell lysates were transferred into 1.5ml eppendorf tubes and centrifuged for 🕐 00:05:00 at 3500rpm to remove cell debris.

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3 Following centrifugation, the supernatant was collected and protein concentration were measured using a BCA or Bradford protein assay (Thermo Fisher Scientific).

ELISA assay

4 Equal amounts of protein lysate, 🧪 20 μg , were used to perform ELISA assays according to manufacturer's instructions.