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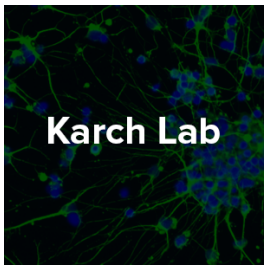
Splitting 96 Well Plates for gDNA Extraction and Freezing Down



In 1 collection

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Neurodegeneration Method Development Community
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OPEN ACCESS

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

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Keywords: plates for gdna extraction, gdna extraction, plate

Attachments

DOCX

Comprehensive Genomi...
31KB

Guidelines

This protocols is part of the **Screening Edited iPSC Clones collection**.

Troubleshooting

Safety warnings

Please refer to the SDS (Safety Data Sheet) for information about hazards, and to obtain advice on safety precautions.

Before start

Split cells upon reaching maximum 80% confluence and minimum 40%.

1 Aspirate media from original plate.

2 Wash with 200 µL PBS and aspirate.

3 Add 25 µL of 0.05% Trypsin.

4 Incubate at 37 °C for 00:05:00

5 Tap to lift cells from plate.

6 Check under microscope to ensure that cells have detached from plate.

7 Add 45 µL mTesR1 to plate and tap to mix.

8 Transfer 15 µL to a 96 well PCR plate, while maintaining the location of each sample (this plate will be used for gDNA extraction).

9 Add 50 µL of 2X Freezing Media (20% DMSO in FBS) to cell plate and tap to mix.

10 Wrap plate in parafilm. Add tape over parafilm. Label the plate on the outside of the tape.

11 Place plate in Styrofoam box. Fill any open areas with diapers, paper towels, or Kimwipes. Cover box and make sure that lid is closed completely.

12 Store in -80 °C for up to 4 months .