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

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Splitting 96 Well Plates for gDNA Extraction and Freezing Down

In 1 collection

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ATTACHMENTS

[Comprehensive Genomic Editing and Screening Protocol Updated 02142019.docx](#)

GUIDELINES

This protocols is part of the [Screening Edited iPSC Clones collection](#).

SAFETY WARNINGS

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

BEFORE START INSTRUCTIONS

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

1 Aspirate media from original plate.

- 2 Wash with 200 μ L PBS and aspirate.
- 3 Add 25 μ L 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 μ L mTesR1 to plate and tap to mix.
- 8 Transfer 15 μ L to a 96 well PCR plate, while maintaining the location of each sample (this plate will be used for gDNA extraction).
- 9 Add 50 μ L 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 .