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Mitophagy induction using Difereprone

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ABSTRACT

Mitophagy induction in HeLa cells using Difereprone (DFP).

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

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86202

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Day 1

1 Seed cells, aiming for a confluency of 80-90% at the time of treatment the next day.

Day 2

1h

2 Feed cells for 01:00:00 in an appropriate volume of standard growth media. 1h

3 During the feed, warm up the difereprone (DFP) stock aliquot in a 37 °C waterbath.
Centrifuge the stock tube after thawing to ensure the DFP has returned to solution.

4 To start the treatment, replace the media in each well with standard growth media that contains [M] 1 millimolar (mM) DFP.

5 Harvest the samples after the desired treatment times.