

Transfection of Alexa488-labelled DNA into *Oxyrrhis marina* with polyethylenimine (PEI)

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Abstract

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Protocol

1. Reagents

Step 1.

Polyethylenimine (1 mg/ml) (Polyscience Cat # 23966):

Heat 50 ml of water to 80 C

While stirring, add 50 mg PEI stir and dissolve with heat on. Once dissolved let it cool to RT and pH to 7.4 with HCl

Filter in hood, aliquot and store at - 80 C

Avoid freeze thaw cycles, Discard unused once thawed.

2. Prepare transfection mix

Step 2.

Per 500-1000 µl of culture to transfect:

F/2 media 200 µl

DNA 1-5 µg

PEI 2-3µl per µg of DNA

Incubate at RT for 30 min

3. Add the mixture to the cultures

Step 3.

Add PEI/DNA mix to the culture.

The next day the culture can be washed with fresh media with adequate supplements.