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Electrocompetent Agrobacterium transformation

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1 *Works for me* dx.doi.org/10.17504/protocols.io.pdttdi6n

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ABSTRACT

Standard protocol for Agrobacterium transformation

- 1 Add a small amount of plasmid DNA (<100ng) to 40-80µl of competent cells in a tube on ice. Stir gently.
- 2 Pipette Agro cells with DNA into a chilled 0.2 cm electroporation cuvette. Shake cells to bottom of cell
- 3 Pulse cells at 2.5kV.
- 4 Add 1 ml YEP (of LB) media to cuvette, mix, and immediately transfer cells into sterile test tubes.
- 5 Allow cells to shake at 28°C for 2-4 hours.
- 6 Plate 10 µl and 100µl on selective media. Put the plates at 28°C.
- 7 Select positive cultures after 48h. If you use multiple antibiotics for selection, you might have to wait even longer.



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