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# Floral dip transformation of Arabidopsis

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Works for me

[dx.doi.org/10.17504/protocols.io.5j6g4re](https://dx.doi.org/10.17504/protocols.io.5j6g4re)

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## ABSTRACT

Konrad's version of the floral dip method - still inspired by

"Floral dip: a simplified method for *Agrobacterium*-mediated transformation of *Arabidopsis thaliana*"

Steven J. Clough Andrew F. Bent (1998)

<https://doi.org/10.1046/j.1365-313x.1998.00343.x>

## DOI

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## PROTOCOL CITATION

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## KEYWORDS

Arabidopsis stable transformation, floral dip

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### 1 Day 1 - Agrotransformation

- Electroporation (2400V, 220ohm, 25µF, 1mm cuvette)
- Recover 3 hours with 1ml YEP in 15 ml tube at 28°C
- Plate on YEP + antibiotics
- Incubate 2 days at 28°C

### 2 Day 3-4 - Prepare agros

- Start 5ml agro culture in YEP + antibiotics. Grow o/n at 28°C, 220 rpm.
- Take 1-2 ml culture and plate on YEP plates + antibiotics (let soak into plate). Grow o/n at 28°C.

### 3 Day 5-6 - Transformation

- Scrape cells from plates and resuspend in 50ml 10mM MgCl<sub>2</sub> · 6H<sub>2</sub>O (2.03 g/L) + 5% sucrose (50g/L) + 0.005% SilwetL-77 (50µl/L).
- Pour solution into small bag.

- Place pot upside-down in the agro-solution, massage gently so even un-open buds gets 'cracked' a little.
- Cut small hole in the corner of the bag, and pour the agro-solution into the next bag (for the next plant).
- Leave the plant o/n in the dark (decreases immune system).
- Remove bags and let plants dry before moving them to growth chamber.