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Agro Transformation for *Mimulus in Planta* Transformation 👄

Yaowu Yuan¹

¹University of Connecticut

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Mimulus



ABSTRACT

This protocol is part of a collection for Mimulus in planta transformation.

EXTERNAL LINK

http://mimubase.org/FTP/Protocols/Stable_Transformation/Mimulus%20in%20planta%20transformation.pdf



SAFETY WARNINGS

For Safety Warnings and Hazard Information please refer to the SDS (Satety Data Sheet).

Agro Transformation

1

Please select from the following two options:

- 1. Agro Transformation Using Electroporator
- 2. Agro Transformation Using Freeze -Thaw Method

step case

Agro Transformation - Using Electroporator

Select this option for agro trasformation steps using an electroporator.

2 Thaw agro competent cells on ice (stored at 8 -80 °C) – Agrobacterium GV3101

- 3 Chill 2-mm electroporation cuvette on ice.
- 4 Aliquot 11 ml LB into eppie tube.

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5	Add 1.5 μl plasmid DNA to agro cells.
6	Transfer the agro + plasmid DNA to the cuvette.
7	Electroporate: (Bio-Rad Electroporator program Agr)
	Capacitance: 25 μF
	Voltage: 2.4 kV
	Resistance: 200 Ohm
	Pulse length: 5 msec
8	Immediately add 1 ml LB to the cuvette.
9	Transfer to an eppie tube and shake at $\$ 28 °C- $\$ 30 °C for 1-2 hrs $\$ $\$ 01:00:00 .
10	Plate $\blacksquare 100~\mu l$ on LB + Kan + Gent + Rif plate and incubate for $\circlearrowleft 48:00:00$ at $\$~28~^{\circ}C$ - $\$~30~^{\circ}C$.
	step case
	Agro Transformation - Using Freeze -Thaw Method Select this option for agro trasformation steps using a Freeze -Thaw Method.
2	Thaw competent Agrobacterium on ice (use ■250 μl per transformation reaction) and add
_	□10 µl standard E. coli miniprep plasmid.
3	Incubate the mixture on ice for $ \odot 00:05:00 .$
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