

Gene Transfer to Arabidopsis Seeds (Vacuum and Electroporation Method)



Gene Transfer to Arabidopsis Seeds with New Vacuum and Electroporation Method

Gene Transfer to Arabidopsis Seeds

Micro seeds, Electrode for Microbe Tube

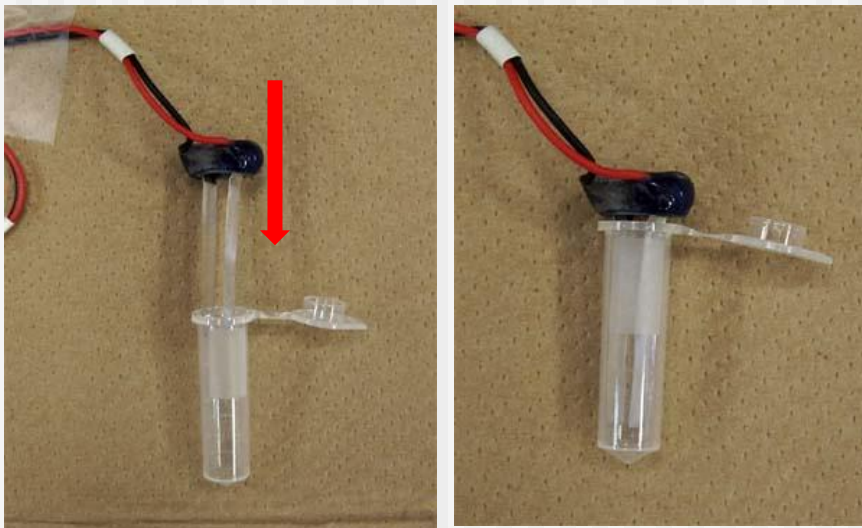


Fig.1 Platinum Plate Electrode for 2ml Tube, CUY280

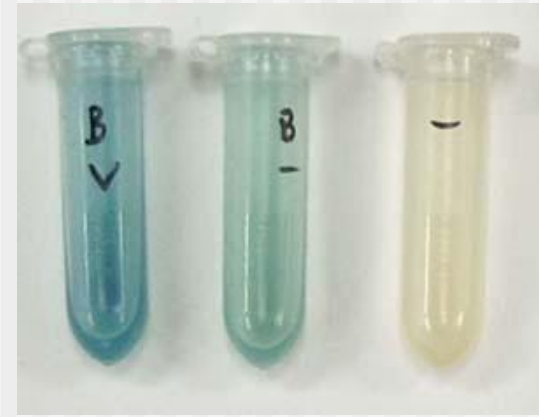


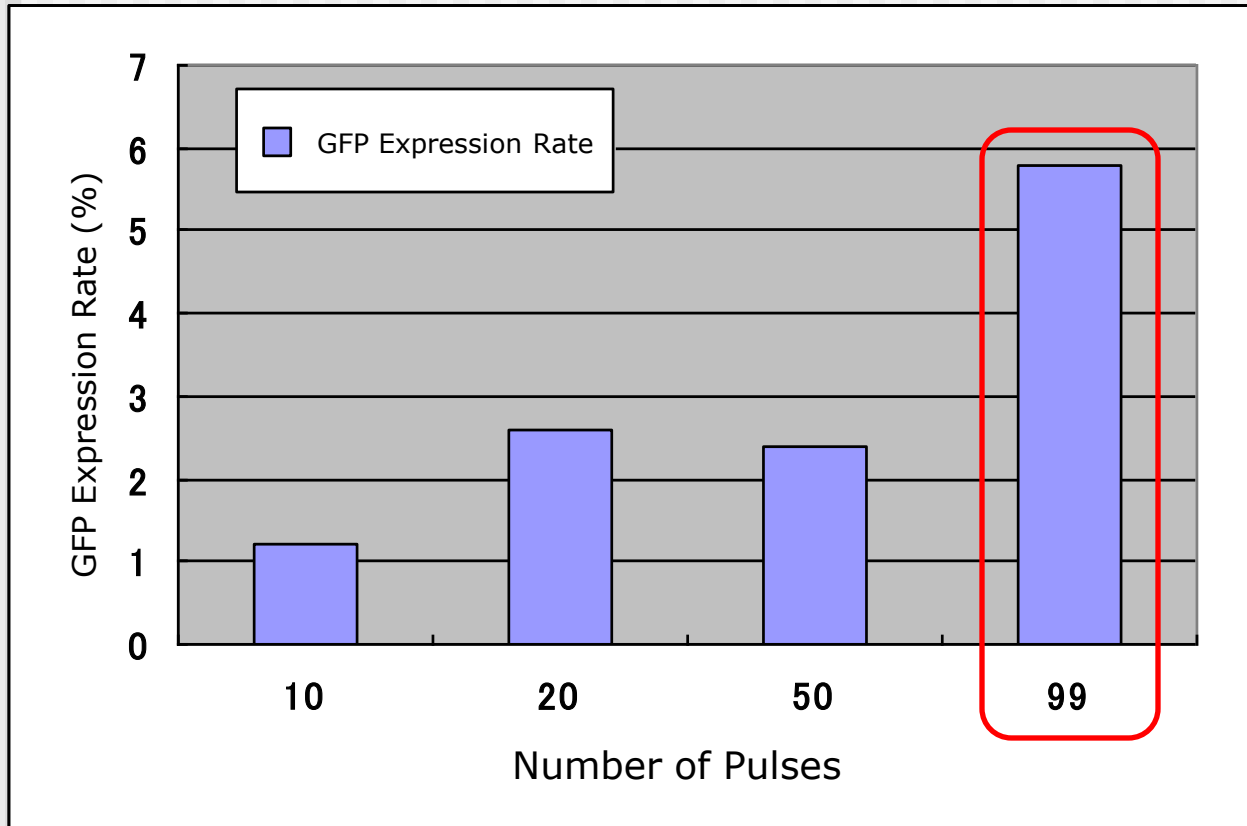
Fig.2 GUS gene expression in tobacco BY-2 cells



Fig.3 GUS gene expression in Arabidopsis Seeds

Gene Transfer to Arabidopsis Seeds

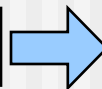
Gene Transfer Conditions



Setup
Voltage: 30V
Pulse length: 50ms
Pulse interval: 75ms

Fig.1 GUS Gene Expression in Arabidopsis Seeds

Transferred EL2 Ω (35S+ Ω +GUS)



99 Pulses leads to a good result

GFP and npt II gene are also transferred.