

## TRANSFECTION INTO DICTYOSTELIUM:

### PROTOCOL:

1. Count cells. Put  $5 \times 10^6$  to  $1 \times 10^7$  cells on ice for 20 minutes.
2. Spin cells in:

	FALCON	EPPENDORF
Rate of Spin	1000 g	1000 g
Temperature	4°C	4°C
Time	4 minutes	4 minutes

3. Resuspend in one mL of H-50 Buffer. Spin in an eppendorf tube.
4. Resuspend in 800  $\mu\text{L}$  of H-50 Buffer. Transfer to a cold cuvette (cool down the holder).
5. Add 10  $\mu\text{g}$  of DNA. Mix DNA, buffer, and cells. Let sit on ice for 20 minutes.
6. 2X Electroporation.  
[Settings: Resistance in OHMS= 200 and Capac. MFD= 25.]
7. Set on ice for 5 minutes.
8. Plate in 10 cm plates using 50-75  $\mu\text{L}$  of cuvette contents and 10 mL of HLmedia + P/S.

### Day After:

1. Change media and add marker.
2. Feed once between 5 and 7 days for about 1-3 weeks until colony formation is present.