

# Transfection of Diplonemids using the BTX electroporator

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## Abstract

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## Protocol

Electroporation pulse (1 pulse): 1600V, 25 $\mu$ s, 50 $\mu$ F

### Step 1.

### Step 2.

Wash the cell pellet once with 10 ml ice cold cytomix buffer spin @ 700 x g for 10 min

### Step 3.

Resuspend the pellet in 400  $\mu$ l CytoMix

### Step 4.

Load cuvettes (0.2 cm gap) cool on ice

### Step 5.

Electroporate (1 pulse). BTX settings: 1600 V, 25  $\mu$ s, 50  $\mu$ F. Resuspend cells in 5 ml fresh medium and incubate for overnight

### Step 6.

Add 5 ml of fresh media containing the appropriate antibiotic

### Step 7.

Load the first row of wells with 1.5 ml of transfected appropriate culture

### Step 8.

### Step 9.

Starting in the first column, transfer 0.5 ml of the first well into the second, pipette up and down, transfer 0.5 ml to the third well, and so on

### Step 10.

Don't dilute wells until they are teeming with Transfectants. Start with 1:2 dilutions

## Step 11.

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