

# TSS Transformation (Chung et al., 1989, PNAS 86:2172-2175)

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## Abstract

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[dx.doi.org/10.17504/protocols.io.jn5cmg6](https://doi.org/10.17504/protocols.io.jn5cmg6)

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## Protocol

### Step 1.

Inoculate starter culture of 1.5 mL LB medium in 13 mL test tube

### Step 2.

Incubate at 37°C on shaking device (> 200 rpm)

### Step 3.

After 1.5 – 2 hours culture should become slightly turbid (exponential growth)

### Step 4.

Work on ice: add 200 µL of culture to 1.5 mL tube and mix with 200 µL 2 x TSS ([dx.doi.org/10.17504/protocols.io.gt3bwqn](https://doi.org/10.17504/protocols.io.gt3bwqn))

### Step 5.

Add 0.5 – 1.0 µL plasmid from mini prep (high copy: rather 0.3 µL)

### Step 6.

Incubate on ice for 20-30 min

### Step 7.

Incubate 45-60 min at 37°C on shaking device (> 200 rpm) – addition of LB is not requested

### Step 8.

Plate on LB-Agar (incl. appropriate antibiotic)