

6



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# Transformation

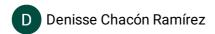
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1 Works for me 

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**ABSTRACT** 

A protocol for transforming E. coli cells is shown.

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PROTOCOL CITATION

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**KEYWORDS** 

Transformation, E. coli

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1

#### MATERIALS TEXT

### **MATERIALS:**

- Competent cells
- LB plates + antibiotic (depends on the used part)
- Drigalski spatula
- Eppendorf tubes of 1.5 mL

## **SOLUTIONS:**

SOC medium

## **EQUIPMENT:**

- Water Bath at 42 °C
- Cooler and ice

	Transformation	2h 30m 30s
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- 1 Mix  $\square 50 \, \mu L$  of fresh competent cells with  $\square 2 \, \mu L$  of genetic material (softly without pipetting) in a sterile 1.5 mL Eppendorf tube.
- 2 Incubate & On ice for © 00:30:00
- 30s Apply thermal shock in a water bath at § 42 °C for © 00:00:30

30m

1h

1h

- 4 Immediately, put § On ice
- 5 Add  $250 \mu$ L of SOC medium (tempered at § 37 °C).
- 6 Incubate at \$ 37 °C for 0 01:00:00 at  $\triangleq$  225 rpm .
- 7 Disseminate **50** μL in a selective medium and incubate **Overnight** at 8 37 °C

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2

