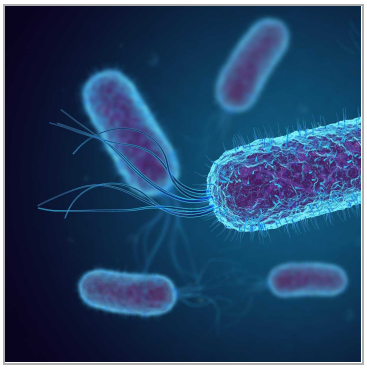

FEB 06, 2023

OPEN ACCESS

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Protocol status: Working
We use this protocol and it's working

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Inoue transformation buffer

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ABSTRACT

The Inoue method of transformation is a chemical transformation method of prokaryotes (bacteria), which add significant improvements to methods such as the classic Calcium chloride transformation method.

MATERIALS

LAF
Scale
Filter unit

10x Inoue transformation buffer

1 Add 80 mL distilled water to a 100 mL tube

2 Measure and add 10.89 g Manganese chloride, 2.2 g Calcium chloride, 3.0 g PIPES and 18.65 g Potassium chloride

Materials:

- Manganese(II) chloride tetrahydrate **Sigma-aldrich Catalog #M3634**
- Calcium chloride dihydrate **Sigma-aldrich Catalog #C3881**
- PIPES **Sigma-aldrich Catalog #P1851**
- Potassium chloride **Sigma-aldrich Catalog #P3911**

3 Add distilled water to 100 mL

4 Filter sterilize with a 0.2 µm pore-size filter and store frozen at -20 °C