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Transformation of *Vibrio natriegens* V.2

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Protocol status: In development
We are still developing and optimizing this protocol

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Abstract

This protocol describes how to transform chemically competent *Vibrio natriegens* cells.
The protocol was described and published by Weinstock et al., 2016

Before start

You need:

- Chemically competent *V. natriegens* cells
- BHI + V_2-Salts

10x V_2-Salts:

	Chemical	Concentration	Molecular weight	Amount for 1L
	NaCl	204mM	58.44g/mol	11.92176g
	KCl	4.2mM	74.55g/mol	0.31311g
	$MgCl_2$	23.14mM	203.3g/mol	4.704362g

BHI:

For 1L medium 37g Brain heart infusion buillon

1 Defrost your competent cells on ice

2 Add your DNA template to the cells and mix gently

3 Incubate: 30min., on ice

4 Heatshock: 42°C, 45sec.

5 Incubate: 90sec., on ice

6 Add 1ml BHI + V_2-Salts (pre-heated 30°C) to the cells

7 Incubate: 30°C, 1min.

8 Recover: 30°C, 120min., 200rpm

9 Centrifuge: 3000g, 4min.

10 Plate the pellet on warm agar plates (30°C)

11 Incubate: