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Version 2

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 + V₂-Salts

10x V₂-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 + V₂-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: