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 We use this protocol and it's working

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Unsuccessful attempts on transformation of the Ichthyosporean *Sphaeroforma artica*

Elena Casacuberta¹, Cristina Aresté², Omayá Dudin¹, Elena Casacuberta¹

¹Institute of Evolutionary Biology; ²IIBB

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Elena Casacuberta

Institute of Evolutionary Biology

ABSTRACT

Testing electroporation on *Sphaeroforma artica* with two different electroporators

Neon (invitrogen)

Lonza (nucleofector)

MATERIALS

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☒ 100ml Sorbitol solution [1M] **G-Biosciences Catalog #R038**

☒ Glycerol **Merck Millipore Catalog #4095**

☒ Marine Broth 2216 **BD Biosciences Catalog #279110**

☒ Neon™ Transfection System 10 µL Kit **Thermo Fisher Scientific Catalog #MPK1096**

☒ Lipofectamine 2000 **Life Technologies**

Sphaeroforma artica cells

- 1 Cells were seeded 24 hours prior transfection
- 2 200.000 cells per transfection condition were tested
- 3 Tested techniques and settings are as follows (with 1 to 5 micrograms of DNA endogenous promoter (actin))

plus fluorescent reporter (venus or mCherry)

<i>S.arctica</i>	Neon	1000-2500V, 10-40 ms, 1-3 pulses	n/a (not successful)
	Lipofectamina		n/a (not successful)
	LONZA®	16 preset codes P3/P4/P5 buffer	n/a (not successful)

- 4** cells were recovered immediately in MB medium and inspected for positive transfection by fluorescence after 24, 48 and up to 5 days.