Apr 24, 2019

Working

Transfection by Electroporation in Euplotes crassus

Version 2

Angela Piersanti¹

¹University of Camerino

dx.doi.org/10.17504/protocols.io.2a9gah6

Protist Research to Optimize Tools in Genetics (PROT-G)





- 2 Each round of transfection 250 μl of cells were used. 0.25 μg of Label IT® Plasmid Delivery Control Cy®3 (Mirus) were added alone or mixed with 2.5 μl of Lipofectamine® 2000 Transfection Reagent (Invitrogen) according to the supplier.
- 3 The sample was transferred to the 0.2 cm cuvette. Bio-Rad Gene Pulser was used. Conditions were set as follows: 0.2 kV, 25 μFD, 100 Ω . Time constant around 1.2.
- 4 More than 50% of cells were viable after electroporation (few cells fused together), then cells were resuspended in 3 ml of sea water.
- 5 The plasmid was visible in the cytoplasm immediately after the electroporation by fluorescent microscope.

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