JUN 24, 2019

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.2a8gahw

Collection Citation: Angela Piersanti, Rachele Cesaroni, Larry Klobutcher, Cristina Miceli, Sandra Pucciarelli 2019. Euplotes - Miceli Lab.
protocols.io
<https://dx.doi.org/10.17504/protocols.io.2a8gahw>

License: This is an open access collection distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

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

Created: Apr 24, 2019

Last Modified: Jun 24, 2019

COLLECTION integer ID:
 22592

FILES

Euplotes - Miceli Lab

Angela Piersanti¹, Rachele Cesaroni², Larry Klobutcher³, Cristina Miceli³, Sandra Pucciarelli¹

¹University of Camerino; ²Universität Bern;

³University of Connecticut, School of medicine

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

Angela Piersanti
 University of Camerino

Protocol

NAME

Transfection by Electroporation in *Euplotes crassus*

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

[OPEN](#) →

Protocol

NAME

Biolistic Transfection in *Euplotes crassus* (provisional)

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

[OPEN](#) →

Protocol

NAME

Euplotes crassus micronuclear enrichment by PFGE

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

[OPEN](#) →

Protocol

NAME

RNAi by feeding in *Euplotes focardii* (povisional)

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

[OPEN](#) →

Protocol

NAME

Euplotes crassus transfection using Lipofectamine 2000 as vehicle (provisional)

VERSION 1

CREATED BY

Angela PiersantiUniversity of Camerino

[OPEN](#) →

Protocol

NAME

Euplotes crassus GFP artificial nanochromosome sequence

VERSION 1

CREATED BY

Angela PiersantiUniversity of Camerino

[OPEN](#) →

Protocol

NAME

⚡ Culturing Euplotes crassus to high densities using a combination of algae and bacteria as the food source.

VERSION 1

CREATED BY

Angela PiersantiUniversity of Camerino

[OPEN](#) →

Protocol

NAME

⚡ Increased sensitivity of Euplotes crassus to selective agents using 0.3 M glucose-based culture conditions.

VERSION 1

CREATED BY

Angela PiersantiUniversity of Camerino

[OPEN](#) →

Protocol

NAME

⚡ Culturing Euplotes crassus to high densities using a combination of algae and bacteria as the food source.

VERSION 1

CREATED BY

Angela PiersantiUniversity of Camerino

[OPEN](#) →

Protocol

NAME

🔗 Euplotes crassus transfection using FuGene HD Transfection Reagent as vehicle (provisional)

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

Euplotes crassus micronuclear enrichment by PFGE

VERSION 2

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

🔗 Quick staining procedure of nuclei in Euplotes using DAPI

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

🔗 Long staining procedure of nuclei in Euplotes crassus using DAPI

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

🔗 Electroporation of Euplotes crassus: conditions that allow for the uptake of DAPI.

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

🔗 Dot blot to verify microinjection efficacy in *Euplotes crassus*

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

🔗 *Euplotes crassus* transfection through microinjection into the macronucleus

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

🔗 Small-scale silencing experiment in vegetative *Euplotes crassus* (provisional)

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →

Protocol

NAME

Euplotes crassus GFP-neo artificial nanochromosomes sequence

VERSION 1

CREATED BY

Angela Piersanti University of Camerino

OPEN →