PCR on Euplotes whole cells

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Abstract

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Protocol

Step 1.

Collect ˜ 2 ml of cells from a culture at 400 cells/ml, concentrate them by centrifugation, 7 min at 3000 rpm. Remove the supernatant by pipetting.

Step 2.

Wash cells twice by adding ˜ 1 ml of ddH_20. Centrifuge for 7 min at 3000 rpm, remove the supernatant by pipetting.

Step 3.

Put 15 µl (˜20 *Euplotes* cells) in a PCR tube and put at 98°C for 20 min in the thermal cycler.

Step 4.

After that add the PCR mix to the cells, 50 µl of final volume for Euplotes crassus and 20 µl of final volume for *Euplotes focardii.*

Step 5.

Add the polymerase and proceed with the thermal cycle.