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# Culturing *Chlamydomonas reinhardtii*

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Works for me

This protocol is published without a DOI.

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## ABSTRACT

This protocols describe the steps required for the growth of *Chlamydomonas reinhardtii* in liquid media.

## PROTOCOL CITATION

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<https://protocols.io/view/culturing-chlamydomonas-reinhardtii-bkrskv6e>

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41490

## GUIDELINES

All steps described in this protocol are intended to be conducted in a research laboratory. Follow aseptic procedures.

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## Material

- 1
  - TAP media or other (How to prepare TAP media [here](#))
  - Erlenmeyer flask
  - Orbital shaker
  - Light source

## Inoculum

- 2
  - \*Inoculation can be performed by scraping an agar plate containing *Chlamydomonas reinhardtii* or from another liquid culture

1. Inoculate the cells in an erlenmeyer containing media (Ex: **100 mL Erlenmeyer flask** containing **50 mL** of TAP media or **500 mL Erlenmeyer flask** containing **250 mL** )
2. Place the flask in a shaker at **150 rpm, 25°C** with **1 cm of orbit** and with **80  $\mu\text{mol}/\text{m}^2\text{s}$**  of incident white light ( **60  $\mu\text{mol}/\text{m}^2\text{s}$**  to **120  $\mu\text{mol}/\text{m}^2\text{s}$**  works)

Time to stationary phase depends on initial inoculum.