

The culturing of axenic *Ochromonas* sp. strain CCMP1393

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Abstract

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Protocol

Step 1.

This strain of *Ochromonas* sp. is relatively more photosynthetic than other species of *Ochromonas*, and requires light as well as bacterial prey to grow.

This strain also lacks the ability to take up and assimilate nitrate.

The media used for cultuing this strain is thus sterile [L1 medium](#).

with the nitrate component replaced with ammonium

NH₄Cl: 1 ml of stock 2.67 g/ L dH₂O into 1L of medium. Leading to a final concentration of 5.00 x 10⁻⁵ M

Provide [heat-killed bacteria \(HKB\)](#) to axenic cultures. Around 2 drops of concentrated HKB (10e10 HKB/ml) to every 50 ml of culture.

This species also prefers low light intensity conditions (< 100 uEinstein m⁻² s⁻¹)