

***Ectocarpus* spp.**

Note: The culturing conditions below are not necessarily the optimal growth conditions for each strain, as much variation is found between strains, and cultures are not always kept in optimal growth conditions at CCAP for practical reasons. There may be more info in the individual strain data on the website.

Storing the cultures in natural daylight at room temperature should also be fine, providing they are kept out of direct sunlight and slightly shaded.

On receipt of culture: cultures should be subcultured into fresh sterile medium as described below, ideally within a few days of receipt. If the culture vessel is very full on receipt and subculturing cannot be done immediately, we advise transferring half of the culture to a sterile container to provide air space.

ACDP Hazard Gp: 1 - Non pathogenic / non hazardous. Unlikely to cause human disease.

Culture Medium: Modified Provasoli medium - half strength

Media recipes can be found on our website: www.ccap.ac.uk/index.php/media-recipes/

Lighting: cool white, or cool/warm white mix, fluorescent tubes - shaded

Light Cycle: 12h light : 12h dark (for faster growth try 16h:8h)

Temperature: 8-10 degrees C

Sub Interval: 4 months (may vary depending on environment)

Culture Vessel: plastic/glass tubes or flasks

Culture Method:

Subculture by inoculating culture into fresh sterile medium.

Label tubes and fill approximately halfway with medium. Use a pre-sterilised plastic pipette to agitate and separate the existing culture, take up approximately a third of the available material to transfer to new media. If there is little material transfer all.

For subculturing or growth queries contact CCAP.

Use strict aseptic techniques throughout and if possible carry out all subculturing within a laminar flow cabinet.