

***Polytomella* 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.

On receipt of culture: allow time for the culture to recover from its journey. Subculture into fresh medium when the culture is dense.

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

Culture Medium: These non-photosynthetic algae are cultured in S/W (soil/water biphasic medium) plus a boiled barley grain.

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

Lighting: not required

Light Cycle: -

Temperature: 15 degrees C

Sub Interval: 10 weeks (at CCAP, may vary depending on environment)

Culture Vessel: glass test tubes

Culture Method:

Transfer the tubes of media required from 4 degrees C to 15 degrees C approx. 1 hour prior to use and add boiled barley grain to each.

To inoculate the fresh media a dense culture is chosen from existing stocks.

To subculture, use a long disposable pipette and aseptically remove 2-3 ml from the source vessel. Transfer half of the sample into each of two new receiving vessels.

Seal the tubes with parafilm and incubate in the dark at 15 degrees C.

Use strict aseptic techniques throughout and if possible carry out all subculturing within a laminar flow cabinet (particularly important for axenic strains).