

## *Eurychasma dicksonii*

**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:** 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:** Half-strength Provasoli Medium

**Lighting:** 2-10  $\mu\text{E}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$  (higher intensities seem to inhibit propagation of *Eurychasma*)

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

**Temperature:** 10 degrees C (9-15 degrees C)

**Sub Interval:** 2 weeks (may vary depending on environment)

**Culture Vessel:** Glass tubes containing approx. 9ml culture; or glass flasks.

### **Culture Method:**

Liquid cultures:

Check existing culture microscopically (x20 should be sufficient) to check for infected gametophytes. Take one or two infected gametophytes as new subcultures and add to fresh sterile medium. Add around two host gametophytes (CCAP 1323/1 *Macrocystis pyrifera*) to each new subculture.

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