

## ***Saccharina latissima* (gametophytes)**

**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:** Modified Provasoli medium (MP – half strength)

Media recipes can be found on our website: [www.ccap.ac.uk/index.php/media-recipes/](http://www.ccap.ac.uk/index.php/media-recipes/)

**Lighting:** Red light, 15 mmol photons m<sup>-2</sup> s<sup>-1</sup>

**Light Cycle:** 16h light : 8h dark

**Temperature:** 10 degrees C

**Sub Interval:** 2-3 months depending on growth (which is generally slow)

**Culture Vessel:** suspension culture flasks or small petri dishes

### **Culture Method:**

Subculture by fragmenting the gametophytes using sterile tweezers and adding to fresh sterile medium.

Growth may be improved by placing flasks on an orbital shaker, on a gentle setting.

Incubate under red light.

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