

## ***Petalomonas cantuscygni***

**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.

**Culture Medium:** ASWP with 1 x sterilised wheat grain (boiled for ~1 minute)

**Lighting:** Low lighting or dark (a light source is not required)

**Light Cycle:** 12h light : 12h dark

**Temperature:** 20 degrees C

**Sub Interval:** 12 weeks

**Culture Vessel:** small petri dishes

### **Culture Method:**

Half fill a small petri dish with fresh media and add a boiled wheat grain. Using a 1-2ml pipette take a small amount of the fresh media and use this to resuspend the cells in the vessel to be subcultured from. Use the pipette to take up culture, moving it in a zig-zag motion across the bottom of the dish and transfer to the new vessel. Seal both the old and new dishes with parafilm.

As this subculturing method introduces fresh media into the original culture, it prolongs the life of the older culture which can be kept as a backup.

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

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