

## ***Coleps* 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.

CCAP 1613/1 is grown in S/W medium and has a separate strain information sheet.

**On receipt of culture:** If the culture vessel is very full on receipt, 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:** MWC:Volvic (5:1 mixture) plus *Cryptomonas* sp. as food.

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:** ~50 mol m<sup>-2</sup> s<sup>-1</sup>

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

**Temperature:** 15 degrees C

**Sub Interval:** 12 weeks

**Culture Vessel:** 50ml vented tissue culture flasks.

### **Culture Method:**

Check flask for density under an inverted microscope. Put 25-30 mls fresh sterile media into a new flask then pour 5-10mls of that fresh media into the flask you are subculturing from. Gently shake the flask to resuspend the cells then pour into the new flask until media level is back at the 30ml mark. Put the flasks upright at 15 degrees C under reduced light, or with a black mesh sheet over the top to slightly reduce the light levels.

The *Cryptomonas* is transferred along with the ciliates, there is no need to add additional food under normal circumstances.

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