

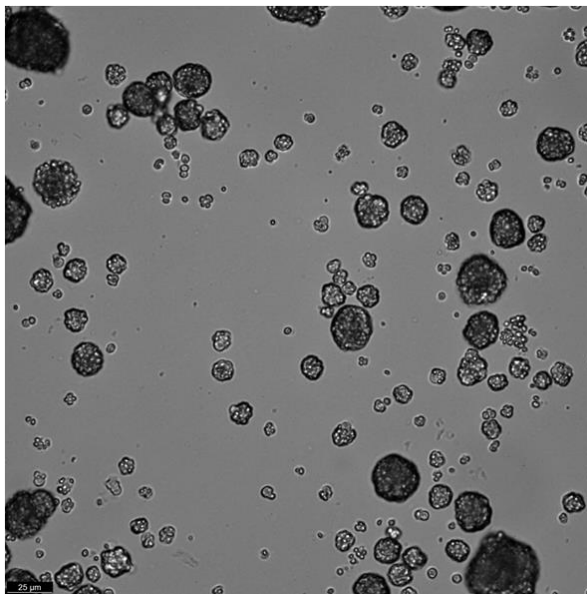
## **Supplementary material 2**

### **Methods**

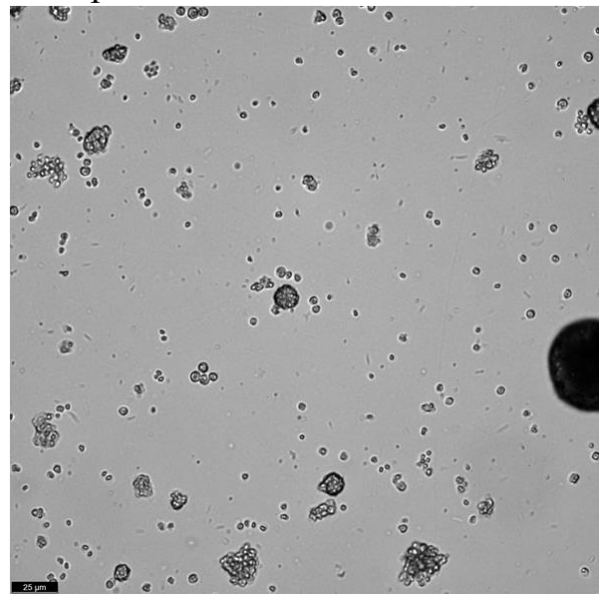
Optical microscopy was used to visually examine chlorella cells and qualitatively determine the level of cell disruption between whole cell- (eChlorial®, France) and split cell- (Golden Greens Organic Ltd, UK) chlorella. Each sample was prepared by suspending 0.1 g chlorella powder, in 5 mL of water. Samples were inverted to ensure total suspension of powders. 20 µL of each sample were pipetted onto microscope slides and visualised using brightfield microscopy at 40 × magnification on the Leica DM IL LED (Leica Microsystems, Germany).

### **Results**

A. ‘Whole cell’ chlorella



B. ‘Split cell’ chlorella



**Supplementary figure 2.** Optical bright field microscopy of dried **A.** ‘whole cell’ and **B.** ‘split cell’ chlorella, suspended in water. 40 × magnification.

Whole cell- and split cell- chlorella samples suspended in water are visualised in **Supplementary figure 2**. Observationally, there are fewer and smaller clusters of cells in the split cell- (**Supplementary figure 2A**) versus the whole cell- (**Supplementary figure 2B**) chlorella.