

Nuclearia

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.

Storing the cultures in natural daylight at room temperature should also be fine, providing they are kept out of direct sunlight.

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: MW (autoclaved mineral water, e.g. Volvic), food source: *Planktothrix rubescens* cyanobacteria

Media recipes can be found on our website: www.ccap.ac.uk/index.php/media-recipes/

Lighting: Cool white, or cool/warm white mix, fluorescent tubes, intensity of 5-15 $\mu\text{mol m}^{-2} \text{s}^{-1}$.

Light Cycle: 12h light : 12h dark

Temperature: 15-20 degrees C

Sub Interval: 2 – 4 weeks (may vary depending on environment)

Culture Vessel: Tissue Culture Flasks

Culture Method:

Subculture by inoculating culture into fresh sterile medium in the ratio of roughly 1:10, e.g. 1mls culture into 10mls medium. Cyanobacteria food source will be subcultured along with the amoeba, or can be added, 1ml per 10mls.

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