

Trimyema koreanum

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: ASW150 with 4 boiled barley or wheat grains

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

Lighting: no light required

Light Cycle: -

Temperature: 35-40 degrees C

Sub Interval: 6 months

Culture Vessel: tissue culture flasks

Note: the culture also contains unidentified amoebae, we don't know if these are necessary for a healthy culture but they do not harm the ciliate.

Culture Method:

Make up sterile medium and add to sterile tissue culture flasks with 4 boiled barley or wheat grains (to encourage growth of the bacteria on which the ciliate feeds), place flasks at 35 degrees C for an hour prior to subculturing.

To subculture, the inoculating flask is gently agitated to mix the cells more evenly in the medium and a few ml is poured aseptically into the new flask.

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