



Caption	Culture AeN706-01
Operator	Luka Supraha
Objective	40x
Type/Technique	Light microscopy
Fixative	None (live cell)

Synedropsis hyperborea

Kingdom	Chromista
Phylum	Bacillariophyta
Class	Bacillariophyceae
Order	Fragilariales
Family	Fragilariaceae
Genus	Synedropsis
Species	hyperborea
Authority	(Grunow) Hasle, Medlin & Syvertsen, 1994

Description

Spindle shaped cells forming star-shaped colonies. Cell shape is variable, large cells are rostrate, smaller cells have shorter prolongations and small cells may be lanceolate. Valves have one labiate process and a narrow sternum that varies in shape and size. Cells have two chloroplasts, one against each valve. Common as epiphyte on *Melosira arctica*.

Morphometrics

Apical axis measures 13-96 μm , transapical axis 2,5-4 μm . 25-27 transapical stria in 10 μm

References

Throndsen J. Hasle G.R. and Tangen K. 2007. *Phytoplankton of Norwegian coastal waters*. Almatier Forlag AS. 341 pp

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