



<b>Caption</b>	Culture AeN707-94
<b>Operator</b>	Luka Supraha
<b>Objective</b>	40x
<b>Type/Technique</b>	Light microscopy
<b>Fixative</b>	None (live cell)

## ***Synedropsis hyperborea***

<b>Kingdom</b>	Chromista
<b>Phylum</b>	Bacillariophyta
<b>Class</b>	Bacillariophyceae
<b>Order</b>	Fragilariales
<b>Family</b>	Fragilariaceae
<b>Genus</b>	Synedropsis
<b>Species</b>	hyperborea
<b>Authority</b>	(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  $\mu\text{m}$ , transapical axis 2,5-4  $\mu\text{m}$ . 25-27 transapical stria in 10  $\mu\text{m}$

### **References**

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

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