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|-----------------------|--|
| <b>Caption</b>        | Live colony from net sample, 0-30 m depth. |
| <b>Operator</b>       | Bente Edvardsen                            |
| <b>Objective</b>      | 10x  |
| <b>Type/Technique</b> | Light microscopy                           |
| <b>Fixative</b>       | None (live cell)                           |
| <b>Locality</b>       | Scoresby Sound, East Greenland             |

## ***Dinobryon balticum***

|                |               |
|----------------|---------------|
| <b>Kingdom</b> | Chromista     |
| <b>Phylum</b>  | Ochromphyta   |
| <b>Class</b>   | Chrysophyceae |
| <b>Genus</b>   | Dinobryon     |
| <b>Species</b> | balticum      |

### **Description**

Cells in goblet shaped lorica form branched colonies. Each cell have one chloroplast with an eyespot, and two flagella, one long anterior and one short. Species are characterized by the shape of the lorica and the resting spore (stomatocyst). Mixotrophic. May form blooms.

### **Morphometrics**

Length of lorica 32-66  $\mu\text{m}$ , width 3-5  $\mu\text{m}$

### **References**

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

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