



Operator	Luka Supraha
Objective	40x
Type/Technique	Light microscopy
Fixative	None (live cell)
Locality	Culture, HE492-60

Chaetoceros convolutus

Kingdom	Chromista
Phylum	Bacillariophyta
Class	Mediophyceae
Order	Chaetocerotales
Family	Chaetocerotaceae
Genus	Chaetoceros
Species	convolutus
Authority	Castracane, 1886

Description

Cells and setae contain many small chloroplasts. The cells are hetrovalvate (upper valve rounded; lower valve flattened). The chains are sometimes twisted around the pervalvar axis and the setae curved towards the lower part of the chain. The girdle zone is more than 1/3 of the length of the pervalvar axis. The windows are small and almost covered by the setae that are of equal width from the base and outwards. The lower valve of the terminal cell may have only one seta.

Morphometrics

Apical axis measures 10-27 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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