



Operator	Luka Supraha
Objective	40x
Type/Technique	Light microscopy
Fixative	None (live cell)
Locality	Culture, AeN707-41

Fragilariopsis cylindrus

Kingdom	Chromista
Phylum	Bacillariophyta
Class	Bacillariophyceae
Order	Bacillariales
Family	Bacillariaceae
Genus	Fragilariopsis
Species	cylindrus
Authority	(Grunow in Cleve & Møller) W.Krieg. in Helmcke & Krieg.

Description

Forms straight or slightly curved ribbon-shaped colonies in girdle view. Each cell has two chloroplasts located along the girdle. In girdle view, cells are low and rectangular. The valves are linear with parallel margins and rounded ends, have an eccentric raphe, no central nodule and approximately the same number of striae and fibulae. Interstriae are parallel except at the poles.

Morphometrics

Apical axis 4.5-74 μm , transapical axis 2.4-4 μm , 12-18 striae and fibulae in 10 μm .

References

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

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