



SYNECHOCOCCUS SP.

Red cyanobacterium (Cyanobacteria)

The genus *Synechococcus* is a unicellular cyanobacterium, solitary or agglomerated in groups, that is very widespread in marine environment. The *Synechococcaceae* family varies in size from 0,8 μm to 1,5 μm . Also many freshwater species of the *Synechococcus* have been described.

Composition

Phycobiliproteins
(phycoerythrin pigments)

Proteins

Minerals

Fatty acids

Uses

MICROBIOLOGY



Fluorescence of phycoerythrin¹

BIOMEDICINE



Antibacterial activity²

TEXTILE



Pigments



¹Cuellar-Bermudez, S.P. et al. Extraction and purification of high-value metabolites from microalgae: essential lipids, astaxanthin and phycobiliproteins. *Microbial Technology* (2015), pp. 190-209

²Se-Kwon Kim. Bioactive compounds and Biotechnological applications. *Marine Microbiology* (2013). Chapter 11.3 Antimicrobials from Marine Cyanobacteria. ISBN: 978-3-527-33327-1



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