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Oscillatoria

Immediately on receipt of your Oscillatoria culture loosen the cap and place the culture in indirect sunlight.

Oscillatoria, is a filamentous blue-green algae, and is a member of the Phylum Cyanophyta, and Order Oscillatoriales. The main characteristic of this genus is their oscillating movement, and hence their name. The filaments move steadily across the bottom of shallow dishes and pond water and up the sides of containers and rocks. Filaments (trichomes) tend to form clusters rather than parallel bundles, and are sometimes tapered towards the end.

CULTURE MEDIUM

Oscillatoria can be maintained in soil extract solutions prepared by steaming 20 gm of good quality soil in 200 ml pond water for one hour on two successive days. Cultures can be maintained at 15-20°C in indirect sunlight for several weeks. However, a more reliable medium for growth is Algal Culture Medium Concentrate as supplied by Southern Biological. Dilute 20ml of this concentrate with 1 litre of pond water before use.

NOTE: Blue green algae are common casual agents of algal pollution in fresh water, and can also, in some cases, be pathogenic. Hence, care should be taken to inactivate these cultures before disposing of them into waste water systems. Use either boiling water or undiluted sodium hypochlorite (bleach).

Catalogue Code: L 1.45



Supporting Products for Oscillatoria:

Culture Medium

Code: CM 10 Algal Culture Medium

Prepared Microscope Slides

Code: PMS 24.03
Filamentous Blue-green algae

Code: PMS Set 2 Plant Kingdom Survey Set

Books

Code: BK 6.21 Culturing Algae

Code: BK 31.59 Freshwater Algae in Australia

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