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Nostoc

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

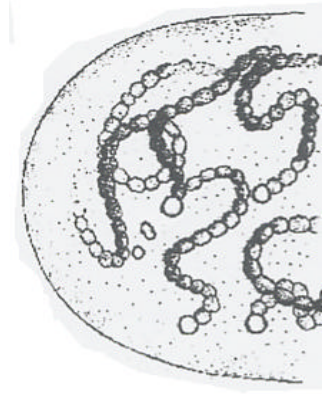
Nostoc, is a filamentous blue-green algae, and a member of the Phylum Cyanophyta, Order Nostocales. The plant mass is usually surrounded by a firm, gelatinous membrane which encloses numerous coiled threads of beadlike cells. Nostoc is typically a freshwater algae, with colony sizes varying from microscopic up to 10cm in diameter.

CULTURE MEDIUM

Nostoc can be maintained in soil extract solutions prepared by steaming 20gm of good quality garden soil in 200ml of pond water for one hour on two successive days. Cultures should be maintained at 20°C ($\pm 2^\circ\text{C}$) in indirect sunlight for several weeks. However a more reliable medium for growth is Algal Culture Medium Concentrate as supplied by Southern Biological. 20ml of this concentrate is sufficient to make one litre of use-solution when diluted with pond water.

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

Catalogue Code: L 1.35



Supporting Products for Nostoc:

Culture Medium

Code: CM 10 Algal Culture
Medium

Books

Code: BK 6.21 Culturing
Algae

Code: BK 31.59 Freshwater
Algae in Australia

Posters

Code: WC 34 Pond III,
Photosynthetic Microlife

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