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# Closterium

Closterium is an elongated single celled desmid of the Phylum Chlorophyta, Order Chlorococcales. The organism is crescent-shaped, but unlike most desmids, there is no sinus or narrowing in the middle of the cell. The ends may be pointed or rounded, and there is a chloroplast in each half-cell. Cultures are often brownish due to iron deposits in the cell walls.

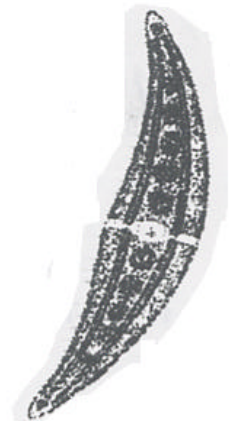
## CULTURE MEDIUM

Closterium can be maintained in soil extract solutions. This is prepared by steaming 20gm of good quality garden soil in 200ml of pond water. Place the soil and water in a heat proof container such as a saucepan, cover and steam for 1 hour. Repeat steaming for an hour again on the following day.

However, a more reliable option is Algal Culture Medium Concentrate available from Southern Biological. 20ml of the concentrate is sufficient to make 1litre of solution when diluted with pond water.

Cultures should be maintained at 20°C (±2°C) in indirect sunlight for several weeks.

Catalogue Code: L 1.25



## **Supporting Products for Closterium.**

### **Culture Medium.**

Code: CM 10 Algal Culture  
Medium

### **Books**

Code: BK 6.21 Culturing  
Algae

Code: BK 31.59 Freshwater  
Algae

### **Posters**

Code: WC 34 Pond III