

Download C. Elegans : A Practical Approach

Caenorhabditis elegans (/ ˈs i? n o? r æ b ? d a? t ? s ? ? l ? ? æ n z /) is a free-living, transparent nematode, about 1 mm in length, that lives in temperate soil environments. It is the type species of its genus. The name is a blend of the Greek caeno-(recent), rhabditis (rod-like) and Latin elegans (elegant). In 1900, Maupas initially named it *Rhabditides elegans*, Osche ...This chapter discusses the maintenance of *C. elegans* in the laboratory. Topics include the acquisition of worm strains from the *Caenorhabditis* Genetics Center (CGC), methods of culture and transfer, decontamination of stocks, synchronizing and staging cultures, and procedures for freezing worms for long-term storage and for recovering them from the frozen state.*C.elegans* presenta un numero ben definito (e costante) di cellule. L'ermafrodita ne presenta 959, tutte visibili al microscopio ottico, di cui 302 di tipo nervoso. Le strutture neurali includono un complesso di organi sensoriali che permettono al nematode di distinguere gli odori e le diverse temperature, percependo la presenza della luce nonostante *C.elegans* non abbia occhi.*Candida albicans*, the most common human pathogenic fungus, can establish a persistent lethal infection in the intestine of the microscopic nematode *Caenorhabditis elegans*. The *C. elegans*–*C. albicans* infection model was previously adapted to screen - *C. Elegans : A Practical Approach*