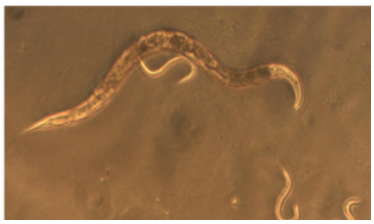
Related Products

Cat. #851

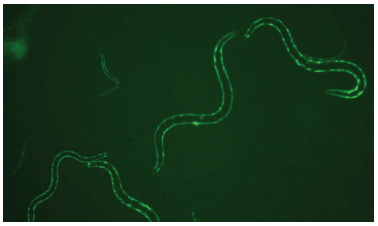
Effects of Alcohol on *C. elegans*



For 10 Groups. You will not believe how similar we are to worms! The genome of the tiny worm, Caenorhabditis elegans, was sequenced and found to be 40% similar to us. It is now used as a model system by researchers to address fundamental questions in developmental biology, neurobiology and behavioral biology. The objective of this experiment is to observe and record the effects of alcohol on normal and alcohol mutant strains of Caenorhabditis elegans.

Cat. #858

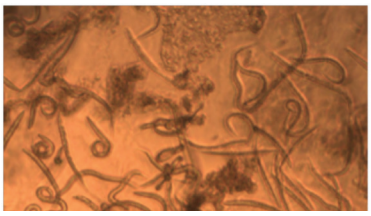
Lighting Up Life: Expression of GFP in *C. elegans*



For 10 Groups. Scientists can directly manipulate an organism's genome to produce a phenotype using engineered genes called transgenes. In this experiment, students will use fluorescent microscopy and PCR to analyze *C. elegans* (nematodes) that have been engineered to express the Green Fluorescent Protein (GFP).

Cat. #856

Environmental Toxicity Response in *C. elegans*

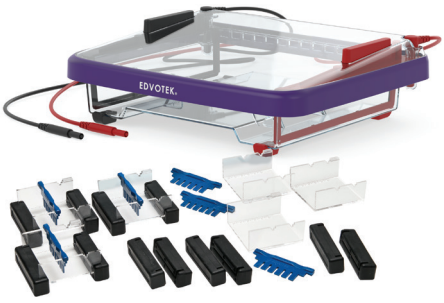


For 10 Groups. *Caenorhabditis elegans* is a soil nematode with great potential for educational research, partly because of its rapid (3-day) life cycle, small size (1.0-mm-long adult), and ease of laboratory growth cultivation. In this experiment, students will observe and compare the effects of heavy metals found in the environment on normal and mutant strains of *Caenorhabditis elegans* (*C. elegans*).

Cat. #852

Chemotaxis: The Science of Attraction in *C. elegans*

For 10 Groups. All organisms are affected by "scent" molecules in the environment, including a multicellular organism called Caenorhabditis elegans. These worms are composed of 959 somatic cells, of which 300 are neurons comprising organs for taste, smell, temperature and touch. In this experiment, your students will observe and record the phenomenon by which normal and mutant strains of C. elegans can direct their movement in response to certain chemicals in the environment.



Cat. #515

M36 HexaGel™ DNA Electrophoresis Apparatus

Cat. #509

DuoSource™ 150 Power Supply (75 or 150V)

Cat. #588

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