

The WormLab System is a complete solution for imaging and quantitative analysis of *C. elegans* behavior. We collaborated with world leading *C. elegans* researchers to develop an easy to use, fully automatic worm tracking system with powerful analysis tools. Spend your time focused on your research—WormLab can track worms that no other system can.

WormLab System

High-resolution worm imaging

- Specially designed optical system to ensure maximum resolution and contrast
- Addresses a variety of experimental paradigms, including:
 - Simultaneous tracking of multiple worms
 - Crawling worms
 - Swimming & thrashing worms
 - Long-term tracking
- Whole plate tracking capability increases assay efficiency

Automated stimulus delivery for optogenetics & mechanosensation

- Full automation to increase efficiency and repeatability of assays
- Easily correlate behavior with programmable light or tapping stimuli

User-friendly

- Easy data acquisition & analysis with the intuitive WormLab software interface
- Scalable plug-and-play design expands with your application requirements

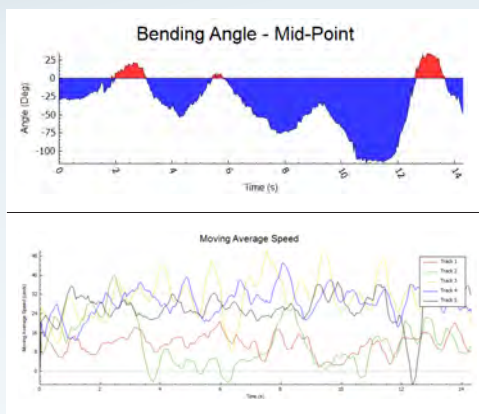


WormLab Software

Analyze behavior using patented worm-tracking technology

- Quantitate a broad spectrum of complex worm behaviors
 - Aggregation & social foraging
 - Reversals & pirouettes
 - Coiling & omega bends
 - Swimming & thrashing
- Start collecting meaningful data quickly utilizing user-friendly WormLab workflows





Thousands of built-in analyses and graphs

- Produce comprehensive behavioral metrics, including
 - Speed & position data
 - Head & bending angles
 - Swimming metrics
 - Body morphometrics
- Reveal even subtle differences between phenotypic data easily & efficiently
- Easily export your data or create custom analyses



Fully supported and maintained

With every WormLab system, you have access to extensive online help, as well as our team of expert technical-services personnel to assist you with system operation. In addition, our staff scientists are ready to provide scientific support to help enable you to address your research questions. MBF Bioscience is here to provide full support for your lab.

Learn more: mbfbioscience.com/products/wormlab



About MBF Bioscience

A rich history of creating the future of neuroscience.

MBF Bioscience develops advanced tools for collecting and analyzing accurate, reproducible data from histological specimens, 2D and 3D microscope images, and freely moving *C. elegans* so that scientists can better understand brain diseases and processes at a cellular level.

Our products have helped researchers publish over 17,000 peer reviewed papers.

What our customers say

“WormLab has taken our behavior studies to another level, since we can test more complex hypotheses to detect slight changes in the behavior of worms. WormLab has been extremely rewarding as it puts us on the frontier of the behavior studies of *C. elegans*.

Félix Soares, PhD
Universidade Federal de Santa Maria, Brazil

“We really appreciate the help from all the staff at MBF Bioscience. Expert support combined with their excellent product WormLab are essential for our research on *C. elegans* behavior in my lab.

Jihong Bai, Ph.D.
Fred Hutch

