

Making Physiology Happen

iWorx offers complete solutions for the teaching of animal physiology as well as advanced, high performance systems for research. The numerous “hands-on” experiments provide student involvement that enhances the overall learning experience.

# Animal Physiology Wired Lab Kit



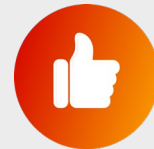
Step-by-step  
instructions



45 labs  
And 100+  
exercises



Adaptable to  
any lab  
manual



Quick  
setup

## Animal Physiology Kits Include:

- TA-ROAM Recorder with Amplifier, Built-in Stimulator
- Isolated ECG/EMG/EEG iWire Module
- LabScribe™ Software
- Force Transducer
- Dissolved Oxygen Sensor
- Nerve Bath Chamber
- Temperature Sensor
- Bipolar Stimulating Electrode
- Needle Electrodes
- Courseware

## Animal Physiology Measurements:

- Muscle Contraction
- Frog ECG
- Action Potentials
- Cellular Metabolism
- Mechano-reflexes  
and more...



iWorx courseware includes over 40 experiments and 100 exercises in cardiovascular and neuromuscular physiology, as well as all of the components and professionally developed courseware you need to conduct the labs. Use preconfigured teaching kits or iWorx unique LabsByDesign approach to simply choose only the equipment you need for the labs you want to teach.

## **Animal Muscle:**

- Skeletal Muscle - Weight and Work
- Skeletal Muscle - Summation and Tetanus
- Heart Muscle
- Uterine Motility
- Intestinal Motility
- Frog Electrocardiogram
- Crayfish Heart
- Byssal Retractor Muscle
- Crayfish Gut Pharmacology
- Earthworm Smooth Muscle Contractions
- Crayfish Electrocardiogram

## **Animal Nerve:**

- Membrane Potentials
- Compound Action Potentials
- Neuromuscular Studies
- Action Potentials in Earthworms
- Cockroach Leg Mechanoreceptors
- Cockroach Cercal Sense Organs
- Frog Sciatic Nerve Compound Action Potential
- Crustacean Stretch Receptors
- Leech Central Nervous System
- Crustacean Neuromuscular Junction
- Crayfish Motor Nerve